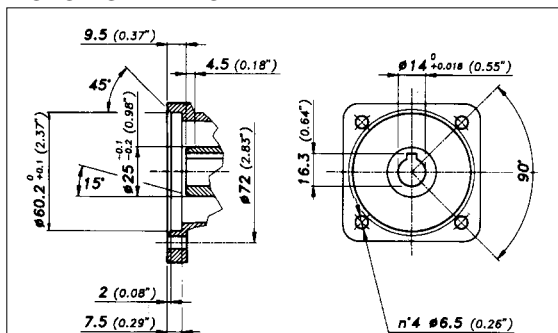


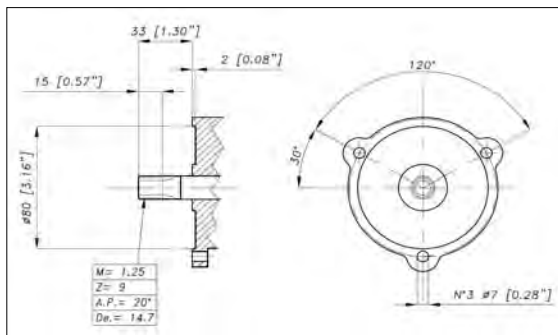
TRIAL D



ALBERO MOTORE PER TRIAL D - *ELECTRIC MOTOR SHAFT FOR TRIAL D*



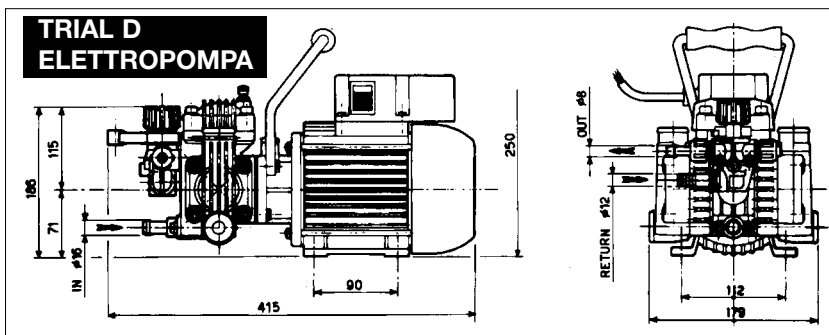
ALBERO MOTORE PER RT2 - *ENGINE SHAFT FOR RT2*



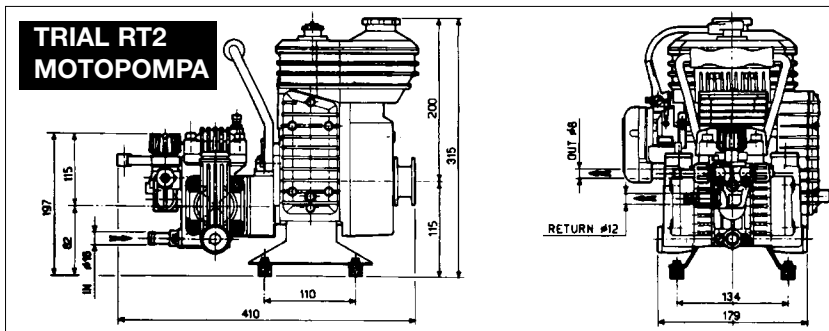
TRIAL RT2



DIMENSIONI D'INGOMBRO - *OVERALL DIMENSIONS*



DIMENSIONI D'INGOMBRO - *OVERALL DIMENSIONS*



Installazione e norme generali di sicurezza
Pag. 2

Installation and general safety information
Page 8

Istruzioni di manutenzione pompe a
membrana Pag. 5

Maintenance instructions for diaphragm
pumps Page 11

COPPIA DI SERRAGGIO - *TORQUE CHART*

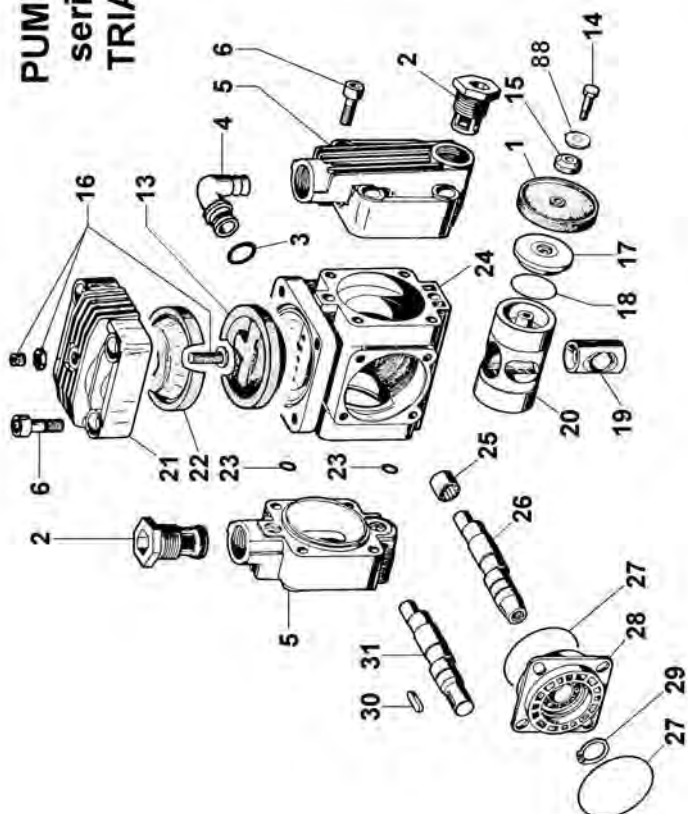
CODICE CODE	Q.TY	N. POS.	TRIAL D/RT2	
			N.m	Lbr.ft
86.2730.00.2	12	6	22	16.2
11.0008.53.2	2	14	5	3.7
86.1943.90.2	2	79	5	3.7
86.2474.00.2	1	34	22	16.2
86.2282.00.2	2	35	10	7.4
86.2350.00.2	4	43	10	7.4
86.1935.10.2	2	52	10	7.4
81.4545.00.2	3	44	10	7.4
81.4542.00.2	4	61	10	7.4
TOLLERANZA DI SERRAGGIO:			0 → - 10%	
TOLERANCE ON TORQUE VALUE:			0 → - 10%	

KIT RICAMBI - *SPARES KIT* TRIAL D/RT2

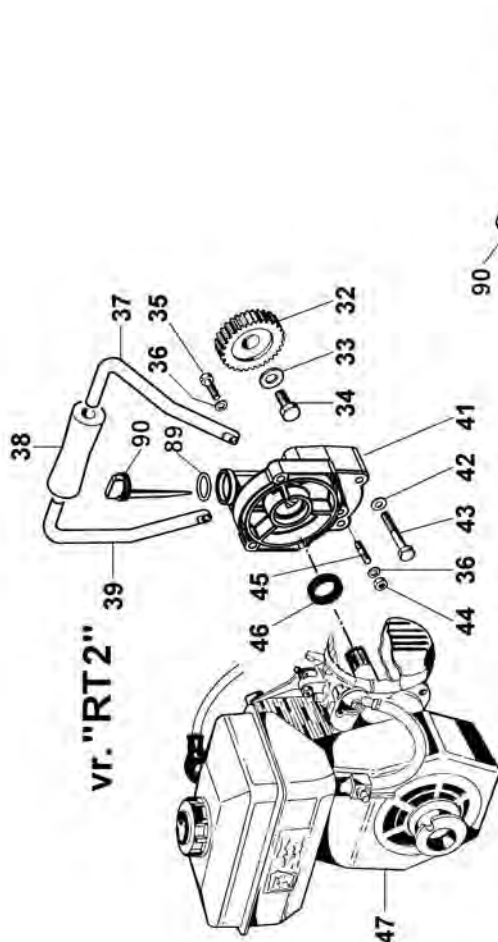
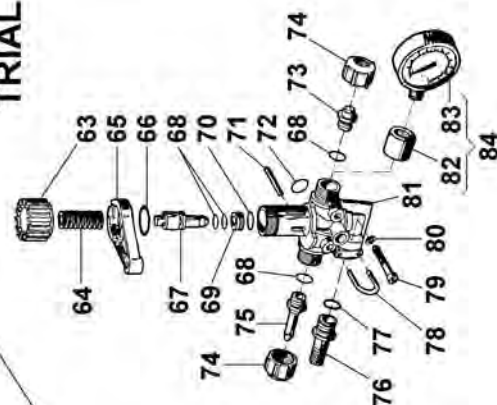
KIT	CODICE PART NUMBER	11.9880.97.3				11.9881.97.3						11.9870.97.3		11.9871.97.3													
	DESCRIZIONE DESCRIPTION	KIT POMPA TRIAL D PUMP KIT TRIAL D				KIT POMPA TRIAL RT2 PUMP KIT TRIAL RT2						VAM VALVES ASSY		MEMBRANE BUNA - N DIAPHRAGMS													
POSIZIONE ESPLOSO POSITION NUMBER		58	18	27	23	46	18	27	23	86	87	2		22	13	1	23										
QUANTITÀ NEL KIT QUANTITIES INCLUDED		1	2	2	4	1	2	2	4	1	1	4		1	1	2	4										

TRIAL D - TRIAL RT2 - TRIAL RT4

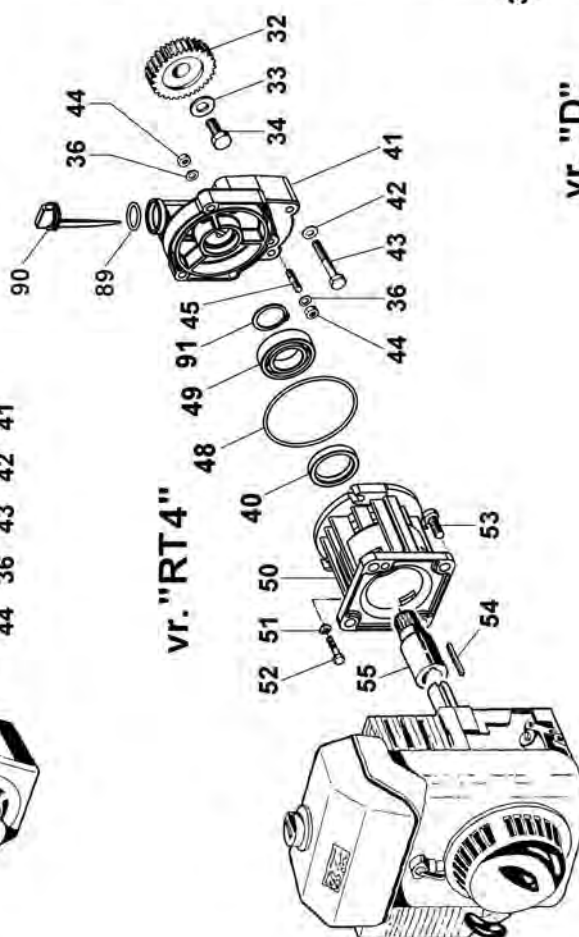
PUMPS
serie
TRIAL



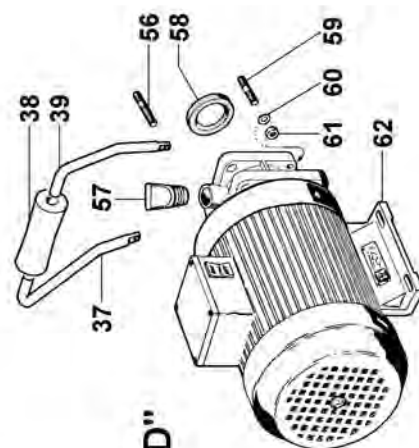
NPR
TRIAL



vr. "RT4"



vr. "D"





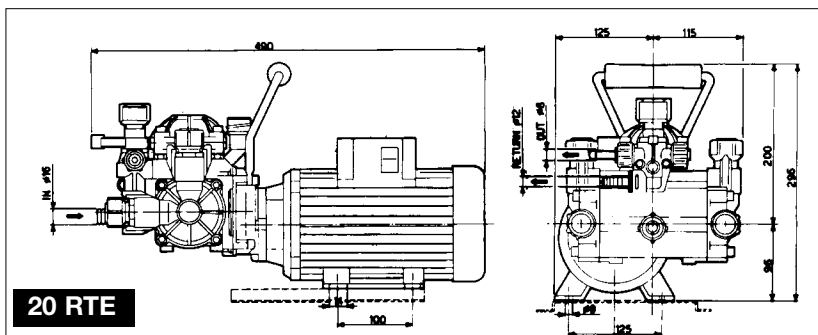
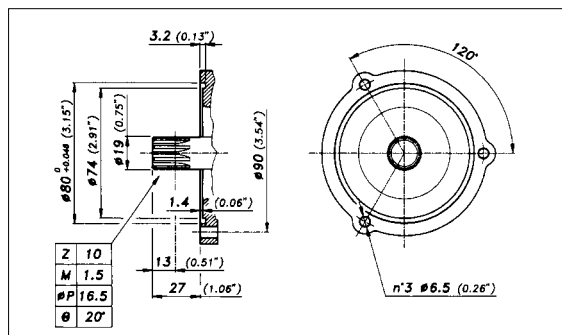
NOMENCLATURA RICAMBI POMPE A MEMBRANA "TRIAL D - TRIAL RT2 - TRIAL RT4"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	12.0040.31.2	2	MEMBRANA PISTONE	73	94.0201.32.2	1	TAPPO
2	11.9812.97.3	4	GR. VALVOLA A/M	74	82.0015.00.2	2	GALLETTO G.1/2
3	80.3090.00.2	1	ANELLO OR 2,0x16	75	84.1528.00.2	1	RACCORDO MANDATA D.8
4	84.0510.00.2	1	RACCORDO ASPIRAZIONE D.15	76	84.1551.00.2	1	RACCORDO SCARICO D.13
5	11.0102.09.2	2	TESTATA POMPA	77	80.3213.50.2	1	ANELLO OR 3,0x11
6	86.2730.00.2	12	VITE TCEI M8x30 UNI5931	78	94.0206.49.2	1	BAIONETTA
13	10.0040.31.2	1	MEMBRANA INFERIORE ACCUMULATORE	79	86.1943.90.2	2	VITE TCEI M5x45 UNI5931
14	11.0008.53.2	2	VITE SERRAGGIO MEMBRANA	80	84.3542.00.2	2	ROSETTA D.5,3x10x1
15	11.0009.32.2	2	PIATTELLO SERRAGGIO MEMBRANA	81	94.0200.32.2	1	CORPO VALVOLA REGOLAZIONE
16	86.1608.50.2	1	VALVOLA ARIA COMPLETA	82	94.0207.32.2	1	MANICOTTO G.1/2-G.1/4
17	11.0011.32.2	2	TESTATA PISTONE	83	83.0010.00.2	1	MANOMETRO
18	80.3005.00.2	2	ANELLO OR 1,0x28	84	94.9849.97.3	1	KIT MANOMETRO NPR TRIAL
19	11.0015.01.2	1	PATTINO	85	84.3630.00.2	2	RONDELLA DI TENUTA
20	11.0010.09.2	1	PISTONE	86	12.0045.72.2	1	GUARNIZIONE PIANA
21	11.0004.09.2	1	CALOTTA ACCUMULATORE	87	80.2116.00.2	1	ANELLO RADIALE 28X40X7
22	10.0041.31.2	1	MEMBRANA SUPERIORE ACCUMULATORE	88	84.3620.10.2	2	ROSETTA D.7,3x12x0,5
23	80.3088.20.2	4	ANELLO OR 2,0x10	89	80.3210.61.2	1	OR 2,62x17,86
24	11.0121.09.2	1	CARTER POMPA	90	11.0022.37.2	1	ASTA LIVELLO OLIO
25	10.9815.97.3	1	CUSCINETTO PREMONTATO (TRIAL/R)	91	80.1185.00.2	1	ANELLO ELAS. D.25
25	81.2520.50.2	1	CUSCINETTO RULLINI (TRIAL/D)				
26	11.0033.42.2	1	ALBERO ECCENTRICO TRIAL/R				
27	80.3080.40.2	2	ANELLO OR 1,78x53,7				
28	11.9811.97.2	1	SUPPORTO CUSCINETTO PREMONTATO				
29	80.1135.00.2	1	ANELLO ELASTICO D.17				
30	80.6441.00.2	1	LINGUETTA 5x5x15 (TRIAL/D)				
31	11.0032.42.2	1	ALBERO ECCENTRICO TRIAL/D				
32	11.0019.49.2	1	INGRANAGGIO Z=42				
33	84.3696.00.2	2	ROSETTA D.8,4x18x2				
34	86.2474.00.2	1	VITE TE M8x14 UNI5739				
35	86.2282.00.2	2	VITE TE M6x30 UNI5737				
36	84.3585.00.2	5	ROSETTA D.6				
37	31.1325.61.2	1	SEMIMANICO DESTRO				
38	82.8410.00.2	1	MANOPOLA				
39	31.1324.61.2	1	SEMIMANICO SINISTRO				
40	80.2117.00.2	1	ANELLO RADIALE 30x40x7				
41	11.0016.09.2	1	CARTER RIDUTTORE				
42	84.3585.00.2	4	ROSETTA D.6,4x12,5x1,6				
43	86.2350.00.2	4	VITE TE M6x45 UNI5737				
44	81.4545.00.2	3	DADO M6 UNI5587				
45	83.8012.00.2	1	PRIGIONIERO M6x18 UNI5914				
46	80.2039.00.2	1	ANELLO RADIALE 15x30x7				
47	83.2188.30.2	1	MOTORE TERMICO 2T CM46 SPECIALE				
47	83.2100.40.2	1	MOTORE TERMICO 2T OLEOMAC SSO SPECIALE				
48	80.3210.64.2	1	OR D. 2,62x75,87				
49	81.2700.00.2	1	CUSCINETTO SFERE 6005				
50	94.0330.09.2	1	FLANGIA TRIAL/RT4				
51	84.3585.00.2	2	ROSETTA D.6				
52	86.1935.10.2	2	VITE TE M6x25 UNI5737				
53	86.2562.00.2	4	VITE TCEI M8x20 UNI5931				
53	86.2566.00.2	4	VITE TE 5/16"-24 UNF 3/4"				
54	80.6445.00.2	1	LINGUETTA 5x5x30 (S-TYPE)				
54	80.6436.00.2	1	LINGUETTA 4,75x50x30 (Q-TYPE)				
55	31.1626.42.2	1	PIGNONE X HONDA G100-S				
55	31.1627.42.2	1	PIGNONE X HONDA G100-Q				
56	83.8070.00.2	2	PRIGIONIERO M6x30 UNI5911				
57	11.0020.31.2	1	TAPPO CARICO OLIO				
58	80.2093.00.2	1	ANELLO RADIALE				
59	83.8060.00.2	2	PRIGIONIERO M6x25 UNI5911				
60	84.3585.00.2	2	ROSETTA D.6,4x12,5x1,6				
61	81.4542.00.2	4	DADO M6 UNI5588				
62	83.2029.00.2	1	MOTORE EL. MONOFASE SPECIALE				
62	83.2024.50.2	1	MOTORE EL. TRIFASE SPECIALE				
63	94.0203.32.2	1	POMOLO DI REGOLAZIONE				
64	94.0073.48.2	1	MOLLA				
65	94.0202.32.2	1	LEVA SCARICO RAPIDO				
66	80.3199.00.2	1	ANELLO OR 2,62x21,89				
67	94.0204.32.2	1	OTTURATORE				
68	80.3174.00.2	4	ANELLO OR 2,62x9,92				
69	05.0068.51.2	1	SEDE VALVOLA				
70	80.3056.00.2	1	ANELLO OR 1,78x8,73				
71	85.1045.00.2	1	SPINA CILINDRICA D.3x30				
72	80.3088.00.2	1	ANELLO OR 2,0x15				

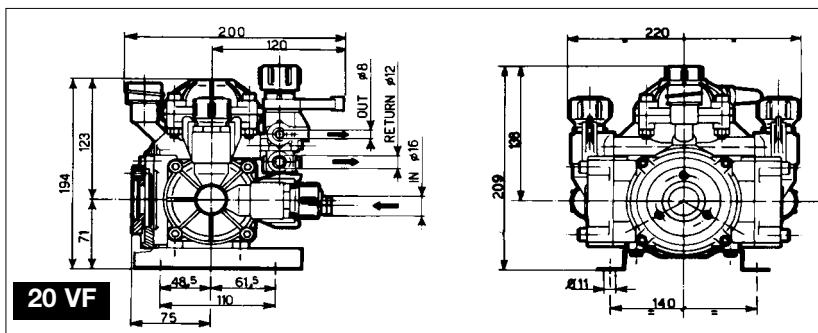
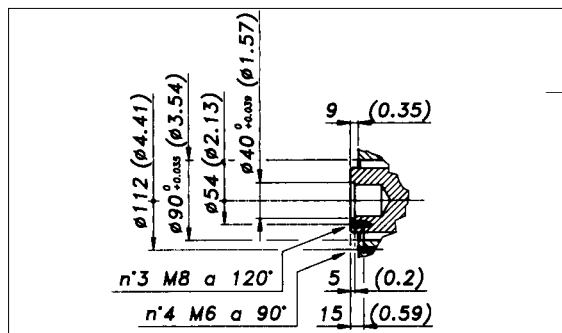
20 VF



DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



Maintenance instructions for diaphragm pumps Page 11

COPPIA DI SERRAGGIO - TORQUE CHART

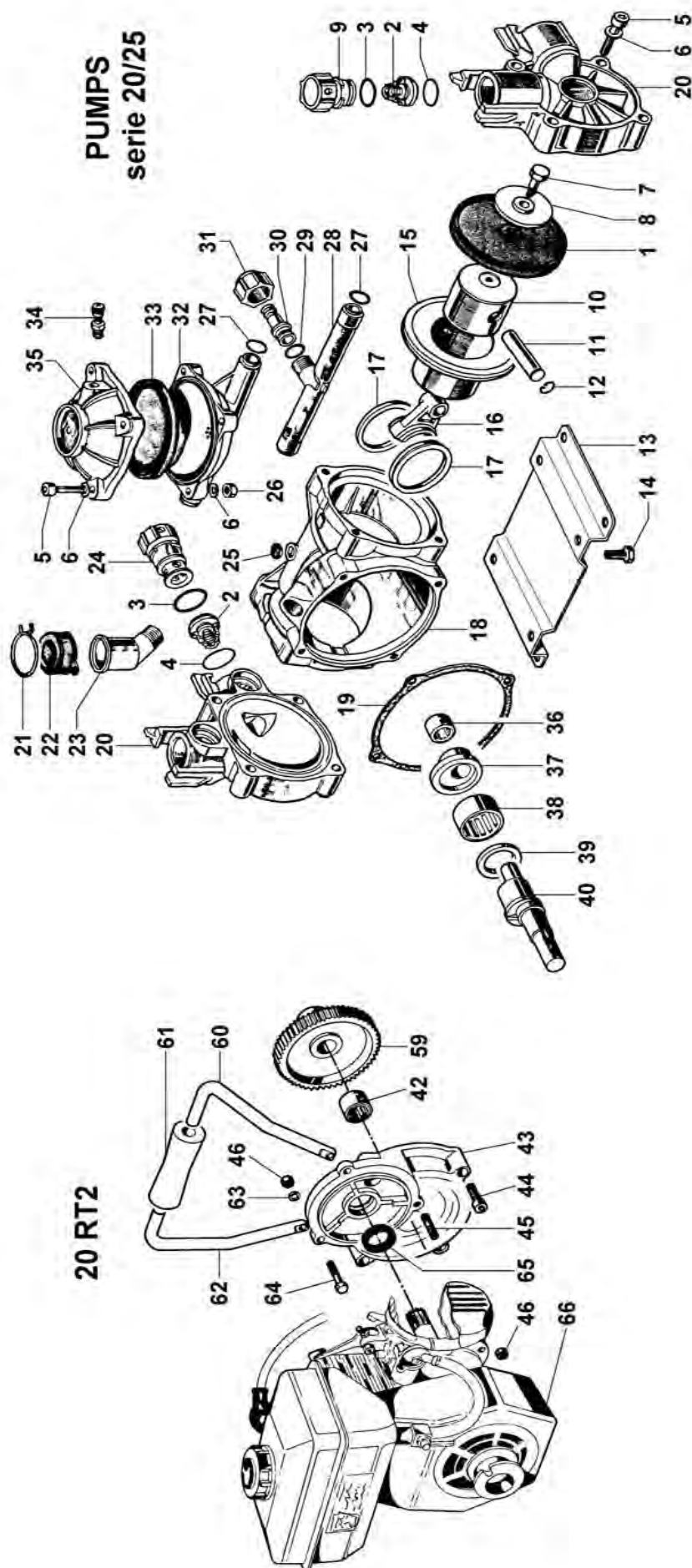
CODICE CODE	Q.TY	N. POS.	20 RTE - 20/25VF	
			N.m	Lbr.ft
86.1935.10.2	2	53	5	3.7
86.2303.00.2	2	61	10	7.4
86.2261.00.2	4	50	10	7.4
81.4525.00.2	3	52	5	3.7
86.2168.00.2	4	44	10	7.4
86.1943.90.2	2	78	5	3.7
86.2796.00.2	12	5	22	16.2
94.0048.43.2	2	7	5	3.7
86.2059.00.2	4	14	10	7.4
TOLLERANZA DI SERRAGGIO:			0 → - 10%	
TOLERANCE ON TORQUE VALUE:			0 → - 10%	

KIT RICAMBI - SPARES KIT 20 RTE - 20/25 VF

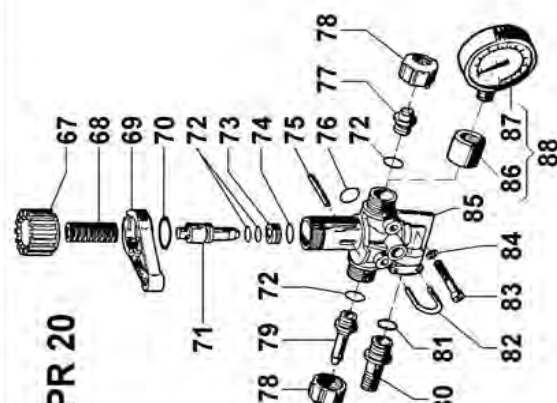
KIT	CODICE PART NUMBER	94.9881.97.3					94.9885.97.3					94.9870.97.3			94.9871.97.3			94.9826.97.3												
	DESCRIZIONE DESCRIPTION	KIT POMPA VF PUMP KIT VF					KIT POMPA RTE PUMP KIT RTE					VAM VALVES ASSY			MEMBRANE BUNA - N DIAPHRAGMS			MEMBRANE VITON DIAPHRAGMS												
POSIZIONE ESPLOSO POSITION NUMBER		42	27	3	4	19	57	56	27	3	4	19	2	3	4	1	27	33	1	27	33	3								
QUANTITÀ NEL KIT QUANTITIES INCLUDED		1	4	4	4	1	1	1	4	4	4	1	4	4	4	2	4	1	2	4	1	4								

20 RTE - 20/25 VF

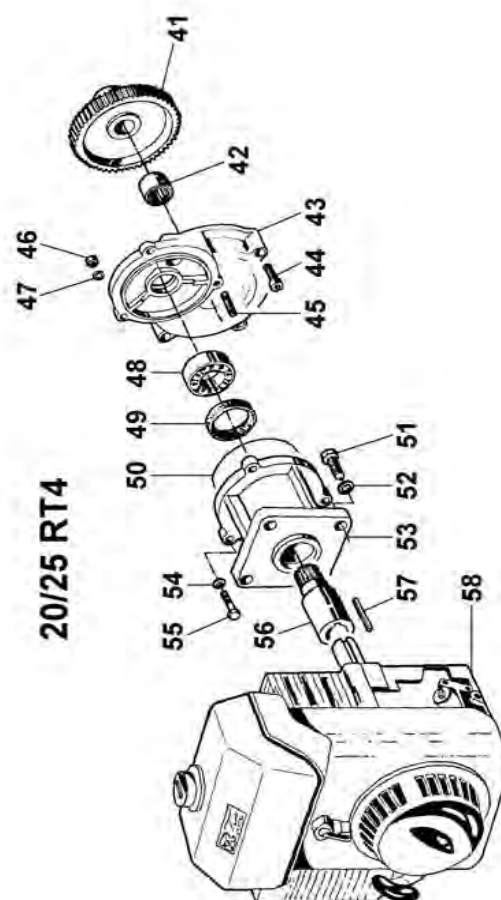
PUMPS
serie 20/25



NPR 20



20/25 RT4





NOMENCLATURA RICAMBI POMPE A MEMBRANA "20 RTE - 20/25 VF"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	94.0040.31.2	2	MEMBRANA PISTONE BUNA-N	68	05.0068.51.2	1	SEDE VALVOLA
1	94.0040.33.2	2	MEMBRANA PISTONE VITON (OPT.)	69	80.3056.00.2	1	ANELLO OR 1,78x8,73
2	94.9828.97.3	4	GR. VALVOLA A/M	70	85.1045.00.2	1	SPINA CILINDRICA D.3x30
3	80.3219.00.2	4	ANELLO OR 3,0x25	71	80.3217.00.2	1	ANELLO OR 3,0x14
4	82.4154.50.2	4	GUARNIZIONE D.30x24x1	72	94.0201.32.2	1	TAPPO
5	86.2796.00.2	12	VITE TCEI M8x40 UNI5931	73	82.0015.00.2	2	GALLETTO G.1/2
6	84.3685.00.2	16	ROSETTA D.8,2x15x1,5	74	84.1528.00.2	1	RACCORDO MANDATA D.8
7	94.0048.43.2	2	VITE FISSAGGIO MEMBRANA	75	84.1551.00.2	1	RACCORDO SCARICO D.13
8	94.0036.32.2	2	PIATTELLO MEMBRANA	76	80.3178.00.2	1	ANELLO OR 2,62x13,1
9	94.0242.98.2	2	TAPPO MANDATA	77	94.0206.49.2	1	BAIONETTA
10	94.0017.08.2	2	PISTONE (serie 20)	78	86.1943.90.2	2	VITE TCEI M5x45 UNI5931
10	94.0016.08.2	2	PISTONE (serie 25)	79	84.3542.00.2	2	ROSETTA D.5,3x10x1
11	85.2004.00.2	2	SPINOTTO	80	94.0200.32.2	1	CORPO VALVOLA REGOLAZIONE
12	80.0003.00.2	4	ANELLO D.10 PER FORO	81	94.0207.32.2	1	MANICOTTO G.1/2-G.1/4
13	94.0022.61.2	1	PIEDINO	82	83.0010.00.2	1	MANOMETRO
14	86.2059.00.2	4	VITE TE M6x14 UNI5739	83	94.9849.97.3	1	KIT MANOMETRO NPR 20
15	94.0007.01.2	2	CAMICIA (serie 20)				
15	94.0015.01.2	2	CAMICIA (serie 25)				
16	94.0008.09.2	2	BIELLA SINGOLA				
17	94.0047.76.2	2	ANELLO SERRAGGIO BIELLA				
18	94.0001.09.2	1	CARTER POMPA				
19	94.0080.72.2	1	GUARNIZIONE COPERCHIO CARTER				
20	94.0002.09.2	2	TESTATA POMPA				
21	81.7537.00.2	1	FASCETTA D.33				
22	94.0044.31.2	1	COPERCHIO SERBATOIO				
23	94.0043.32.2	1	SERBATOIO OLIO				
24	94.0243.98.2	2	TAPPO ASPIRAZIONE				
25	94.0075.66.2	1	PASTIGLIA APPOGGIO				
26	81.4575.00.2	4	DADO M8 UNI5588				
27	80.3181.00.2	4	ANELLO OR 2,62x15,54				
28	94.0014.32.2	1	COLLETTORE				
29	80.3060.00.2	1	ANELLO OR 1,78x12,42				
30	84.0521.00.2	1	RACCORDO CURVO D.20				
31	82.0042.10.2	1	GALLETTO G.3/4				
32	94.0004.09.2	1	ACCUMULATORE INFERIORE				
33	94.0041.31.2	1	MEMBRANA ACCUMULATORE				
33	94.0041.33.2	1	MEMBRANA ACCUMULATORE VITON				
34	86.1605.00.2	1	VALVOLA ARIA				
35	94.0003.09.2	1	ACCUMULATORE SUPERIORE				
36	81.2531.00.2	1	CUSCINETTO A RULLINI				
37	94.0026.32.2	1	DISTANZIALE				
38	81.2688.00.2	1	CUSCINETTO A RULLINI				
39	94.0027.32.2	1	DISTANZIALE				
40	80.1264.00.2	1	ANELLO D.35 PER ALBERO				
41	81.2837.00.2	1	CUSCINETTO SFERE				
42	80.2178.10.2	1	ANELLO RADIALE				
43	94.0216.09.2	1	SUPPORTO CUSCINETTO ("VF")				
44	86.2168.00.2	4	VITE TCEI M6x22 UNI5931				
45	94.0029.26.2	1	ALBERO ECCENTRICO "VF"				
46	94.0215.26.2	1	ALBERO ECCENTRICO "RTE"				
47	94.0212.42.2	1	INGRANAGGIO Z=51 ("RTE")				
48	81.2546.00.2	1	CUSCINETTO A RULLINI				
49	94.0208.09.2	1	CARTER RIDUTTORE ("RTE")				
50	86.2261.00.2	4	VITE TCEI M6x30 UNI5931				
51	83.8006.00.2	1	PRIGIONIERO M5x18 UNI5914				
52	81.4525.00.2	3	DADO M5 UNI5588				
53	86.1935.10.2	2	VITE TE M5x25 UNI5737				
54	84.3542.00.2	5	ROSETTA D.5,3x10x1				
55	83.2061.00.2	1	MOTORE EL. MONOFASE SPECIALE				
55	83.2061.50.2	1	MOTORE EL. TRIFASE SPECIALE				
56	80.3210.64.2	1	ANELLO OR 2,62x75,87				
57	80.2073.00.2	1	ANELLO RADIALE				
58	31.1324.61.2	1	SEMIMANICO SINISTRO				
59	82.8410.00.2	1	MANOPOLA				
60	31.1325.61.2	1	SEMIMANICO DESTRO				
61	86.2303.00.2	2	VITE TCEI M6x35 UNI5931				
62	94.0203.32.2	1	POMOLO DI REGOLAZIONE				
63	94.0073.48.2	1	MOLLA				
64	94.0202.32.2	1	LEVA SCARICO RAPIDO				
65	80.3199.00.2	1	ANELLO OR 2,62x21,89				
66	94.0204.32.2	1	OTTURATORE				
67	80.3174.00.2	4	ANELLO OR 2,62x9,92				

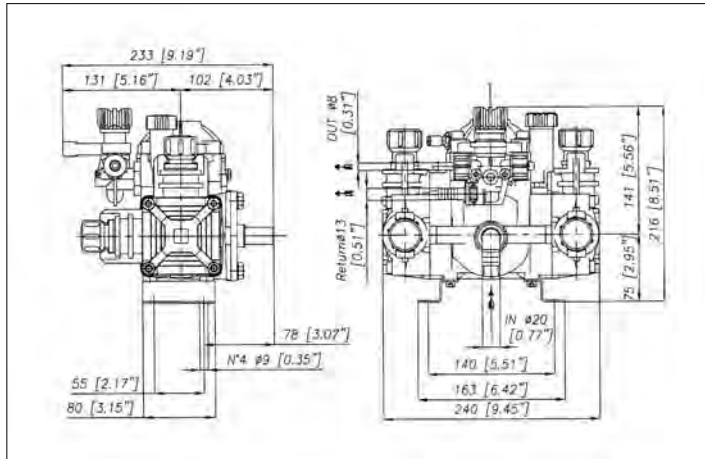
* IN VITON REPLACE THE LAST 3 NUMBERS BY...10.2

3 IN VITON REPLACE THE LAST 3 NUMBERS BY...05.2

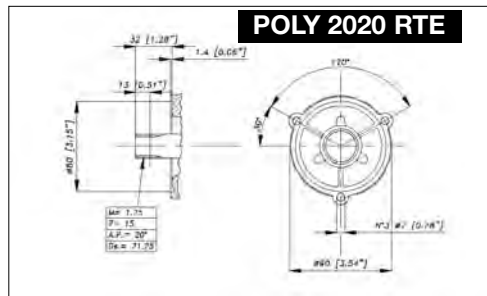
POLY 2020



ALBERO MOTORE - ENGINE SHAFT



DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



ALBERO POMPA - PUMP SHAFT

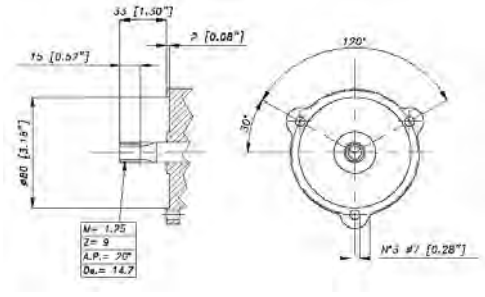
Installazione e norme generali di sicurezza
Pag. 2

Installation and general safety information
Page 8

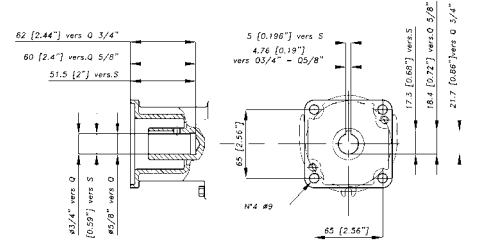
Istruzioni di manutenzione pompe a
membrana Pag. 5

Maintenance instructions for diaphragm
pumps Page 11

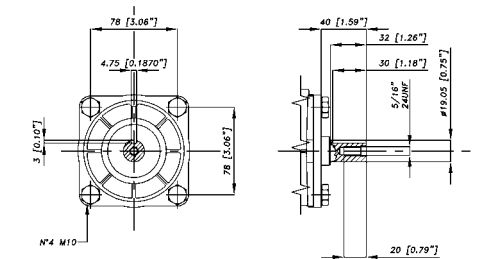
POLY 2020 RT2



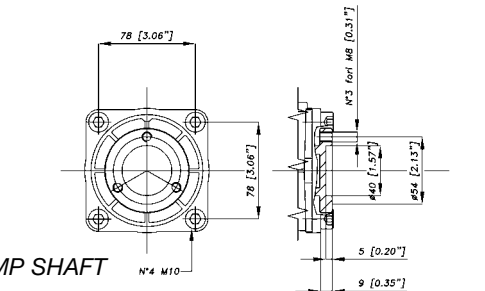
POLY 2020 RT4



POLY 2020 VA



POLY 2020 VF



ALBERO POMPA - PUMP SHAFT

COPPIA DI SERRAGGIO - TORQUE CHART

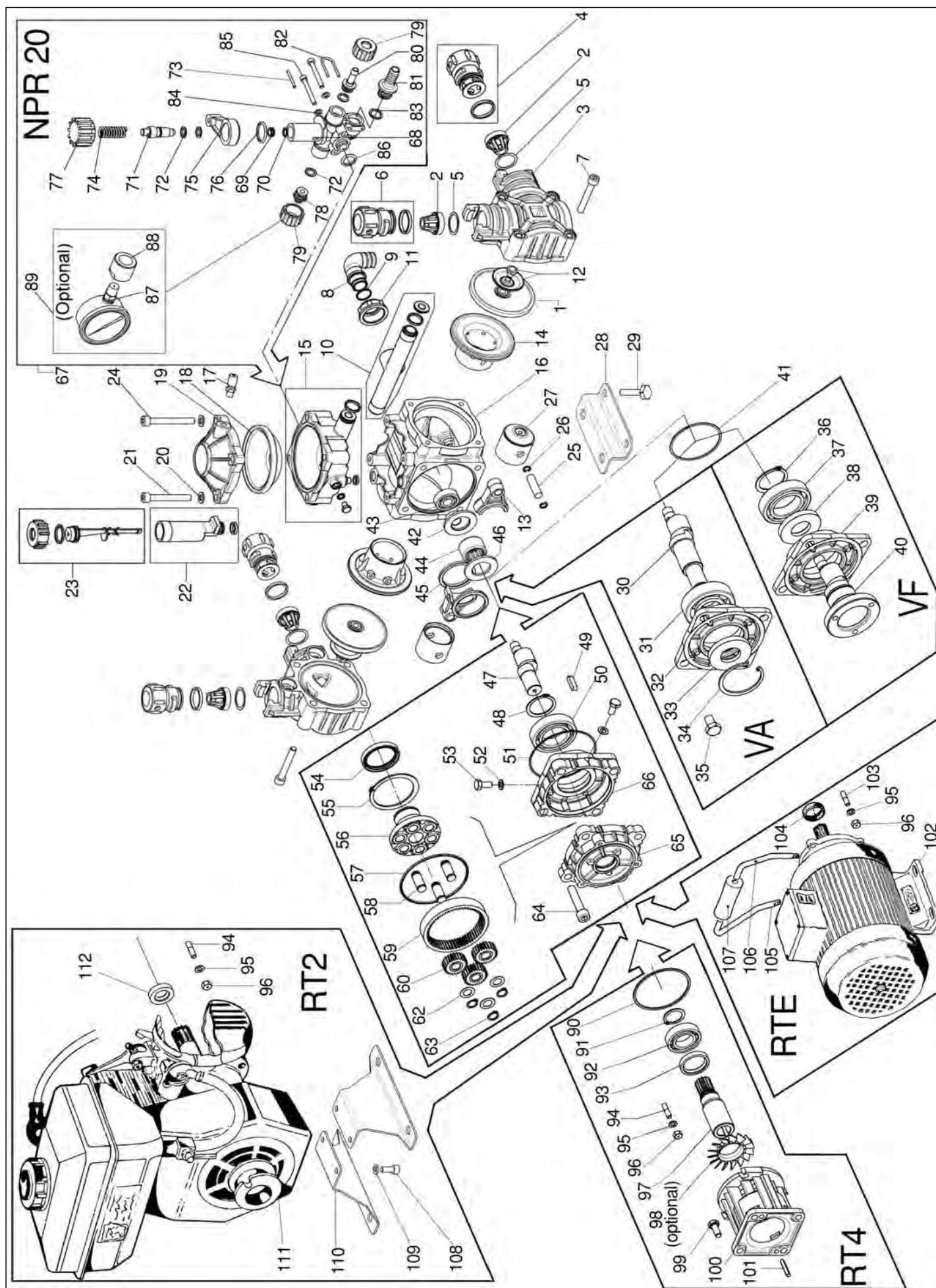
CODICE CODE	Q.TY	N. POS.	POLY 2020	
			N.m	Lbr.ft
86.2900.00.2	8	7	15	11
92.0042.10.2	1	11	3	2.2
03.0021.97.3	2	12	5 (*)	3.7 (*)
86.1605.00.2	1	17	5	3.7
86.2945.00.2	2	21	15	11
86.2951.00.2	2	24	15	11
86.2059.00.2	4	29	10	7.4
86.3185.00.2	4	35	22	16.2
86.2458.00.2	2	53	22	16.2
86.3500.00.2	4	64	40	30
82.0015.00.2	2	79	3	2.2
86.1943.90.2	2	85	5	3.7
83.8012.00.2	3	94	10	7.4
81.4545.00.2	3	96	10	7.4
86.2566.00.2	4	99	22	16.2
86.2555.00.2	4	99	22	16.2
83.8060.00.2	3	103	10	7.4
86.2059.00.2	4	108	10	7.4

TOLLERANZA DI SERRAGGIO: 0 → - 10%
TOLERANCE ON TORQUE VALUE: 0 → - 10%

KIT RICAMBI - SPARES KIT POLY 2020

KIT	CODICE PART NUMBER	94.9879.97.3							94.9888.97.3		94.9871.97.3				94.9910.97.3									
	DESCRIZIONE DESCRIPTION	KIT O-RING POMPA PUMP O-RING KIT							KIT VAM VALVES ASSY		KIT MEMBER BUNA - N DIAPHRAGMS				KIT MEMBER VITON DIAPHRAGMS									
POSIZIONE ESPLOSO POSITION NUMBER		22	15	90	10 15	41 51	57	6-4	2	5	1	18	10 15	22	1	18	10 15	4-6						
QUANTITÀ NEL KIT QUANTITIES INCLUDED		1	1	1	4	1	1	4	4	4	2	1	4	1	2	1	4	4						

POLY 2020





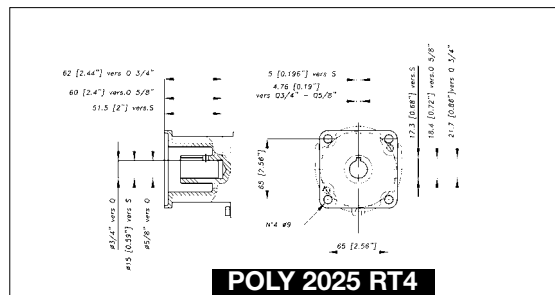
NOMENCLATURA RICAMBI POMPE A MEMBRANA "POLY 2020"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	94.0040.31.2	2	MEMBRANA PISTONE	59	94.0325.19.2	1	CORONA INTERNA
1	94.0040.33.2	2	MEMBRANA PISTONE VITON (OPTIONAL)	60	94.0323.19.2	3	INGRANAGGIO Z=24 RT4
2	94.9828.97.3	4	GRUPPO VALVOLA A/M	60	94.0324.19.2	3	INGRANAGGIO Z=26 RT2
3	94.0302.32.2	2	TESTATA POMPA	62	84.3880.00.2	3	ANELLO D12X18
4	94.9869.97.3	2	GR. TAPPO ASPIRAZIONE	63	80.1081.00.2	3	ANELLO ELASTICO D12
5	82.4154.50.2	4	GUARNIZIONE VALVOLA A/M	64	86.3500.00.2	4	VITE TCEI M10X50 UNI5931
6	94.9878.97.3	2	GR. TAPPO MANDATA	65	94.0311.09.2	1	SCATOLA RIDUTTORE LATO MOTORE
7	86.2900.00.2	8	VITE T.C.E.I. M8X55	66	94.0310.09.2	1	SUPPORTO CUSCINETTO
8	84.0521.00.2	1	RACCORDO D20 A 90°	67	94.9845.97.3	1	VALVOLA NPR20 COMPLETA
9	80.3060.00.2	1	ANELLO OR 1.78X12.42	68	94.0200.32.2	1	CORPO VALVOLA REGOLAZIONE
10	94.9868.97.3	1	GR. COLLETTORE ASPIRAZIONE	69	05.0068.51.2	1	SEDE VALVOLA
11	92.0042.10.2	1	GALLETTO G 3/4	70	80.3056.00.2	1	ANELLO OR 1.78X8.73
12	03.0021.97.3	2	GR. PIATT. INOX+VITE	71	94.0204.32.2	1	OTTURATORE
13	94.0008.09.2	2	BIELLA SINGOLA	72	80.3174.00.2	4	ANELLO OR 2.62X9.92
14	94.0007.01.2	2	CAMICIA POLY 2020	73	85.1045.00.2	1	SPINA CILINDRICA D.3X30
15	94.9867.97.3	1	GR. ACCUMULATORE INFERIORE POLY 2020	74	94.0073.48.2	1	MOLLA VALVOLA
16	94.0301.09.2	1	CARTER POMPA	75	94.0202.32.2	1	LEVA SCARICO RAPIDO
17	86.1605.00.2	1	VALVOLA ARIA	76	80.3199.00.2	1	ANELLO OR 2.62X21.89
18	94.0041.32.2	1	MEMBRANA ACCUMULATORE	77	94.0203.32.2	1	POMOLO DI REGOLAZIONE
18	94.0041.33.2	1	MEMBRANA ACCUMULATORE VITON (OPT.)	78	94.0201.32.2	1	TAPPO VALVOLA
19	94.0003.09.2	1	ACCUMULATORE SUPERIORE	79	82.0015.00.2	2	GALLETTO 1-2
20	84.3685.00.2	4	ROSETTA D.8,2X15X1,5	80	84.1528.00.2	1	RACCORDO MANDATA D.8
21	86.2945.00.2	2	VITE TCEI M 8X60 UNI 5931	81	84.1551.00.2	1	RACCORDO SCARICO D.13
22	94.9866.97.3	1	GR. SERBATOIO OLIO	82	94.0206.49.2	1	BAIONETTA
23	94.9855.97.3	1	GR. TAPPO CON ASTA	83	80.3213.50.2	1	ANELLO OR 3.0X11
24	86.2951.00.2	2	VITE TCEI M8X65 UNI5931	84	84.3542.00.2	2	ROSETTA D.5.3X10X1
25	85.2004.00.2	2	SPINOTTO D10X35	85	86.1943.90.2	2	VITE TCEI M5X45 UNI 5931
26	80.0003.00.2	4	ANELLO ELASTICO D10	86	80.3217.00.2	1	ANELLO OR 3.0X14
27	94.0017.08.2	2	PISTONE POLY 2020	87	83.0010.00.2	1	MANOMETRO (OPTIONAL)
28	94.0099.61.2	2	PIEDINO	88	94.0207.32.2	1	MANICOTTO G.1/2-G.1/4(OPTIONAL)
29	86.2059.00.2	4	VITE TE M6X14 UNI 5739	89	94.9849.97.3	1	KIT MANOMETRO NPR 20 (OPTIONAL)
30	94.0323.26.2	1	ALBERO 3/4" (VA)	90	80.3210.64.2	1	ANELLO OR 2.62x75.87
31	81.2725.00.2	1	CUSCINETTO A SFERE (VA)	91	80.1185.00.2	1	ANELLO ELS D.25 PER ALBERO
32	94.0336.09.2	1	SUPPORTO CUSCINETTO (VA)	92	81.2700.00.2	1	CUSCINETTO A SFERE
33	80.2099.90.2	1	ANELLO RADIALE 25X52X7 (VA)	93	80.2117.00.2	1	ANELLO RADIALE 30X40X7
34	80.1369.00.2	1	ANELLO ELS D.52 PER FORO (VA)	94	83.8012.00.2	3	PRIGIONIERO M6X18 UNI5911(RT4)
35	86.3185.00.2	4	VITE TE M10X16 UNI5739	95	84.3585.00.2	3	ROSETTA D.6 UNI6592
36	80.1264.00.2	1	ANELLO ELS D.35 PER ALBERO (VF)	96	81.4545.00.2	3	DADO M6 UNI5587
37	81.2837.00.2	1	CUSCINETTO A SFERE (VF)	97	94.0327.42.2	1	PIGNONE Z=15 20 RT4-3/4"
38	80.2178.10.2	1	ANELLO RADIALE 40X52X7 (VF)	97	94.0333.42.2	1	PIGNONE Z=15 20 RT4-D.15
39	94.0326.09.2	1	SUPPORTO CUSCINETTO (VF)	97	94.0334.42.2	1	PIGNONE Z=15 20 RT4-5/8"
40	94.0335.26.2	1	ALBERO (VF)	98	94.0353.63.2	1	VENTOLA (OPTIONAL)
41	80.3080.90.2	1	ANELLO OR D.1.78X82.27	99	86.2566.00.2	4	VITE TE 5/16"-24UNF (D.3/4")
42	94.0026.32.2	1	DISTANZIALE	99	86.2555.00.2	4	VITE TE M8x20 UNI 5739 (D.15 D.5/8
43	81.2522.00.2	1	CUSCINETTO A SFERE	100	94.0330.09.2	1	FLANGIA MOTORE
44	81.2688.00.2	1	CUSCINETTO A RULLINI	101	80.6436.00.2	1	LINGUETTA 4,75X5X30 (D.3/4"D.5/8")
45	94.0047.76.2	2	ANELLO BIELLE	101	80.6445.00.2	1	LINGUETTA 5x5x30 (D.15)
46	94.0027.32.2	1	DISTANZIALE	102	83.2065.00.2	1	MOTORE EL. MONOFASE SPECIALE
47	94.0321.26.2	1	ALBERO POLY 2020 RIDUTTORE	102	83.2066.00.2	1	MOTORE EL. TRIFASE 380V HP1,25
48	80.1264.00.2	1	ANELLO ELASTICO	103	83.8060.00.2	3	PRIGIONIERO M6X25 UNI5911(RTE)
49	80.6473.00.2	1	LINGUETTA 6x6x25	104	80.2073.00.2	1	ANELLO RADIALE
50	81.2837.00.2	1	CUSCINETTO SFERE	105	31.1324.61.2	1	SEMIMANICO SINISTRO
51	80.3080.90.2	1	ANELLO OR 1,78X82,27	106	31.1325.61.2	1	SEMIMANICO DESTRO
52	84.3642.90.2	2	ROSETTA IN RAME	107	82.8410.00.2	1	MANOPOLA
53	86.2458.00.2	2	VITE M8X12 UNI5739	108	86.2059.00.2	4	VITE TE M6X14 UNI 5739
54	80.2178.00.2	1	ANELLO RADIALE 40X52X7	109	84.3585.00.2	4	ROSETTA D6 UNI 6592
55	80.1378.00.2	1	ANELLO ELASTICO RT2	110	31.1168.75.2	2	PIEDINO MOTORE CM46
55	80.1379.00.2	1	ANELLO ELASTICO RT4	111	83.4260.00.2	1	MOTORE TERMICO 2T CM 46 (Z 9)
56	94.0312.09.2	1	PLATORELLO	111	83.2100.50.2	1	MOTORE TERM.2T OLEO MAC S50 (Z 9)
57	80.3210.67.2	1	ANELLO OR 2.62X88.57	112	80.2039.00.2	1	ANELLO RADIALE 15x30x7
58	94.0315.49.2	3	SPINOTTO SATELLITI				

POLY 2025

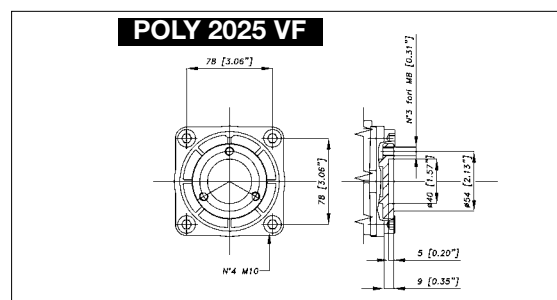
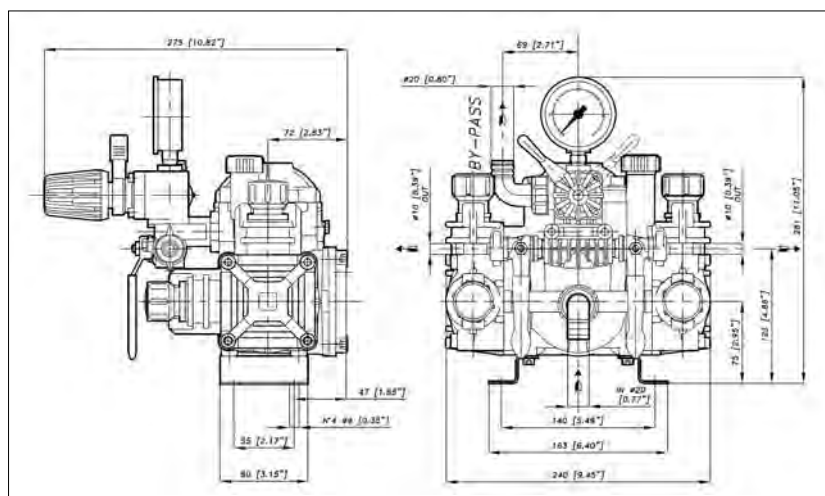


ALBERO MOTORE - ENGINE SHAFT



DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS

DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS

Installazione e norme generali di sicurezza
Pag. 2
Installation and general safety information
Page 8

Istruzioni di manutenzione pompe a
membrana Pag. 5
Maintenance instructions for diaphragm
pumps Page 11

COPPIA DI SERRAGGIO - TORQUE CHART

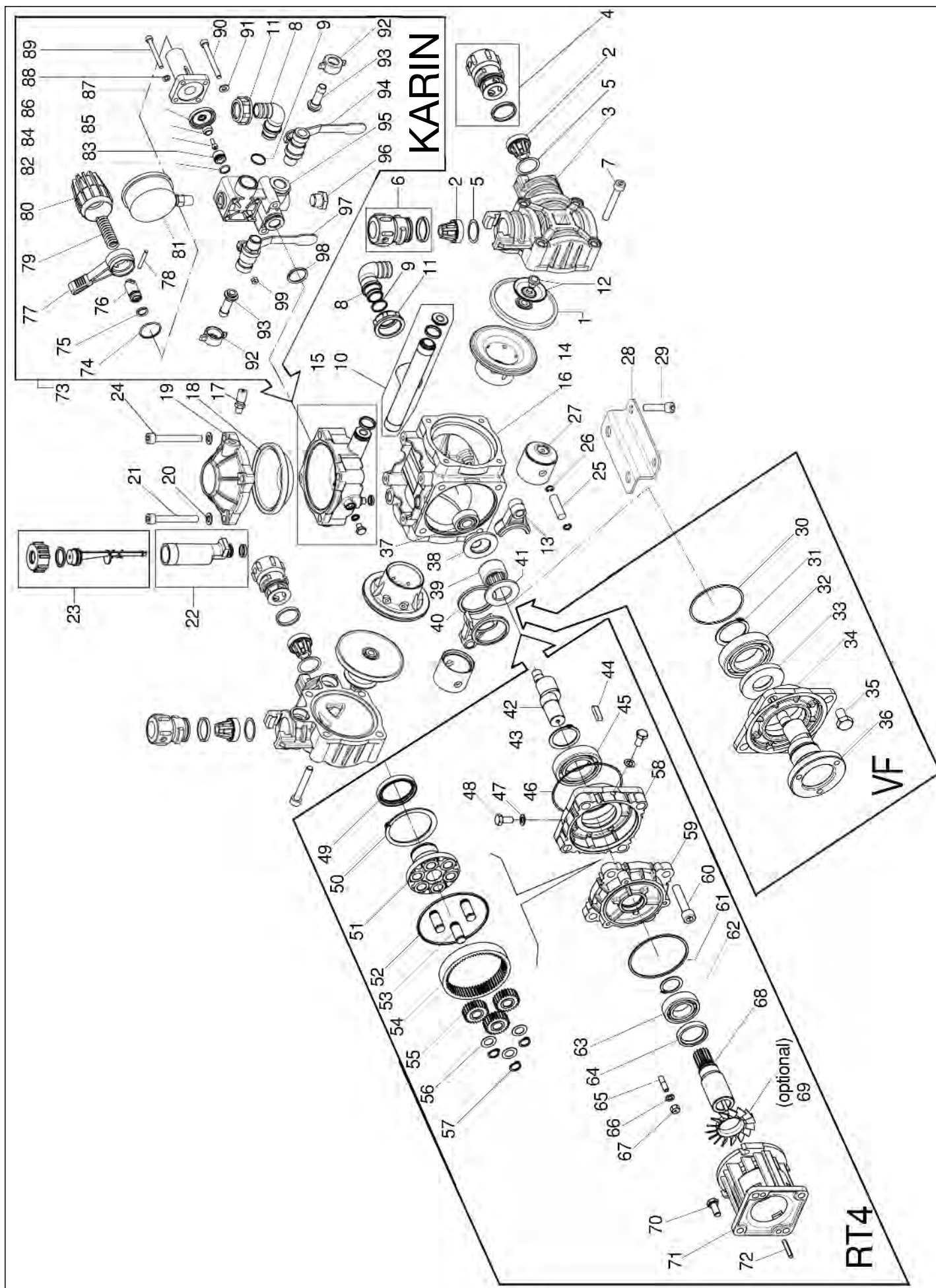
CODICE CODE	Q.TY	N. POS.	POLY 2025	
			N.m	Lbr.ft
86.2900.00.2	8	7	15	11
92.0042.10.2	1	11	3	2.2
03.0021.97.3	2	12	5 (*)	3.7 (*)
86.1605.00.2	1	17	5	3.7
86.2945.00.2	2	21	15	11
86.2951.00.2	2	24	15	11
86.2059.00.2	4	29	10	7.4
86.3185.00.2	4	35	22	16.2
86.2458.00.2	2	48	22	16.2
86.3500.00.2	4	60	40	30
82.0010.00.2	2	92	3	2.2
86.2426.00.2	2	90	5	3.7
86.1944.20.2	4	89	3	2.2
81.4525.00.2	4	99	3	2.2
83.8012.00.2	3	65	10	7.4
81.4545.00.2	3	67	10	7.4
86.2566.00.2	4	70	22	16.2
86.2555.00.2	4	70	22	16.2

TOLLERANZA DI SERRAGGIO: 0 → - 10%
TOLERANCE ON TORQUE VALUE: 0 → - 10%

KIT RICAMBI - SPARES KIT POLY 2025

KIT RICAMBI - SPARES KIT																						POLY 2025					
KIT	CODICE PART NUMBER		94.9879.97.3						94.9888.97.3		94.9871.97.3			94.9910.97.3													
	DESCRIZIONE DESCRIPTION		KIT O-RING POMPA PUMP O-RING KIT						KIT VAM VALVES ASSY		KIT MEMBER BUNA - N DIAPHRAGMS			KIT MEMBER VITON DIAPHRAGMS													
POSIZIONE ESPLOSO POSITION NUMBER			22	15	61	10 15	30 46	52	6-4	2	5	1	18	10 15	1	18	10 15	4-6									
QUANTITÀ NEL KIT QUANTITIES INCLUDED			1	1	1	4	1	1	4	4	4	2	1	4	2	1	4	4									

POLY 2025





NOMENCLATURA RICAMBI POMPE A MEMBRANA "2025"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	94.0040.31.2	2	MEMBRANA PISTONE	69	94.0353.63.2	1	VENTOLA (OPTIONAL)
1	94.0040.33.2	2	MEMBRANA PISTONE VITON (OPTIONAL)	70	86.2566.00.2	4	VITE TE 5/16"-24UNF (D.3/4")
2	94.9828.97.3	4	GRUPPO VALVOLA A/M	70	86.2555.00.2	4	VITE TE M8x20 UNI 5739 (D.15 D.5/8")
3	94.0302.32.2	2	TESTATA POMPA	71	94.0330.09.2	1	FLANGIA MOTORE
4	94.9869.97.3	2	GR. TAPPO ASPIRAZIONE	72	80.6436.00.2	1	LINGUETTA 4,75X5X30 (D.3/4"D.5/8")
5	82.4154.50.2	4	GUARNIZIONE	72	80.6445.00.2	1	LINGUETTA 5x5x30 (D.15)
6	94.9878.97.3	2	GR. TAPPO MANDATA	73	24.4011.97.3	1	V.R.P. MOD. KARIN (15 BAR)
7	86.2900.00.2	8	VITE TCEI M8x55	74	80.3075.00.2	1	ANELLO OR 1.78 X 25.12
8	84.0521.00.2	1	RACCORDO D20 A 90°	75	80.3175.00.2	1	ANELLO OR 2.62X10.78
9	80.3060.00.2	1	ANELLO OR 1.78X12.42	76	24.0314.53.2	1	PISTONCINO
10	94.9868.97.3	1	GR. COLLETTORE ASPIRAZIONE	77	24.0312.32.2	1	LEVA
11	92.0042.10.2	2	GALLETTO G ¾	78	85.1148.00.2	1	SPINA 4 X 30
12	03.0021.97.3	2	GR. PIATT. INOX+VITE	79	24.0316.48.2	1	MOLLA
13	94.0008.09.2	2	BIELLA SINGOLA	80	24.0321.32.2	1	POMOLO DI REGOLAZIONE
14	94.0015.01.2	2	CAMICIA POLY 2025	81	83.0010.00.2	1	MANOMETRO 0-100
15	94.9924.97.3	1	GR.ACCUMULATORE INFERIORE POLY 2025	82	80.3059.00.2	1	ANELLO OR 1.78 X 11.11
16	94.0301.09.2	1	CARTER POMPA	83	24.0320.51.2	1	SEDE VALVOLA
17	86.1605.00.2	1	VALVOLA ARIA	84	86.1841.50.2	1	VITE M4X12 UNI 5931
18	94.0041.32.2	1	MEMBRANA ACCUMULATORE	85	24.0319.51.2	1	OTTURATORE
18	94.0041.33.2	1	MEMBRANA ACCUMULATORE VITON (OPT.)	86	24.0313.36.2	1	MEMBRANA HPS
19	94.0003.09.2	1	ACCUMULATORE SUPERIORE	87	24.0311.32.2	1	CALOTTA
20	84.3685.00.2	4	ROSETTA D.8,2X15X1,5	88	84.3539.00.2	4	ROSETTA D.5,3X10X1
21	86.2945.00.2	2	VITE TCEI M 8X60 UNI 5931	89	86.1944.20.2	4	VITE M5X50 UNI 5931
22	94.9866.97.3	1	GR. SERBATOIO OLIO	90	86.2426.00.2	2	VITE M6X60 UNI 5737
23	94.9855.97.3	1	GR. TAPPO CON ASTA	91	84.3585.00.2	2	ROSETTA D.6,4X12,5X1,6
24	86.2951.00.2	2	VITE TCEI M8X65 UNI5931	92	82.0010.00.2	2	GALLETTO G 1/2
25	85.2006.00.2	2	SPINOTTO D10X40	93	84.1544.00.2	2	PORTAGOMMA D.10
26	80.0003.00.2	4	ANELLO ELASTICO D10	94	84.5544.10.2	1	RUBINETTO SX
27	94.0016.08.2	2	PISTONE POLY 2025	95	24.0310.32.2	1	CORPO VALVOLA
28	94.0099.61.2	2	PIEDINO	96	85.2579.00.2	1	TAPPO G 3/8
29	86.2059.00.2	4	VITE TE M6X14 UNI 5739	97	84.5544.00.2	1	RUBINETTO DX
30	80.3080.90.2	1	ANELLO OR D.1.78X82.27	98	80.3218.00.2	1	ANELLO OR 3.0X22
31	80.1264.00.2	1	ANELLO ELS D.35 PER ALBERO	99	81.4525.00.2	4	DADO M5 UNI 5588
32	81.2837.00.2	1	CUSCINETTO A SFERE				
33	80.2178.10.2	1	ANELLO RADIALE 40X52X7				
34	94.0326.09.2	1	SUPPORTO CUSCINETTO				
35	86.3185.00.2	4	VITE TE M10X16 UNI5739				
36	94.0335.26.2	1	ALBERO VF				
37	81.2522.00.2	1	CUSCINETTO A SFERE				
38	94.0026.32.2	1	DISTANZIALE				
39	81.2688.00.2	1	CUSCINETTO A RULLINI				
40	94.0047.76.2	2	ANELLO BIELLE				
41	94.0027.32.2	1	DISTANZIALE				
42	94.0321.26.2	1	ALBERO POLY 2020-25 RIDUTTORE				
43	80.1264.00.2	1	ANELLO ELASTICO				
44	80.6473.00.2	1	LINGUETTA 6X6X25				
45	81.2837.00.2	1	CUSCINETTO SFERE				
46	80.3080.90.2	1	ANELLO OR 1,78X82,27				
47	84.3642.90.2	2	ROSETTA IN RAME				
48	86.2458.00.2	2	VITE M8X12 UNI5739				
49	80.2178.00.2	1	ANELLO RADIALE 40X52X7				
50	80.1379.00.2	1	ANELLO ELASTICO				
51	94.0312.09.2	1	PLATORELLO				
52	80.3210.67.2	1	ANELLO OR 2.62X88.57				
53	94.0315.49.2	3	SPINOTTO SATELLITI				
54	94.0325.19.2	1	CORONA INTERNA				
55	94.0323.19.2	3	INGRANAGGIO Z=24				
56	84.3880.00.2	3	ANELLO D.12x18				
57	80.1081.00.2	3	ANELLO ELASTICO D12				
58	94.0310.09.2	1	SUPPORTO CUSCINETTO RIDUTTORE				
59	94.0311.09.2	1	SCATOLA RIDUTTORE LATO MOTORE				
60	86.3500.00.2	4	VITE TCEI M10X50 UNI5931				
61	80.3210.64.2	1	ANELLO OR 2.62x75.87				
62	80.1185.00.2	1	ANELLO ELS D.25 PER ALBERO				
63	81.2700.00.2	1	CUSCINETTO A SFERE				
64	80.2117.00.2	1	ANELLO RADIALE 30X40X7				
65	83.8012.00.2	3	PRIGIONIERO M6X18 UNI5911				
66	84.3585.00.2	3	ROSETTA D.6 UNI6592				
67	81.4545.00.2	3	DADO M6 UNI5587				
68	94.0327.42.2	1	PIGNONE Z=15 20 RT4-3/4"				
68	94.0333.42.2	1	PIGNONE Z=15 20 RT4-D.15				
68	94.0334.42.2	1	PIGNONE Z=15 20 RT4-5/8"				

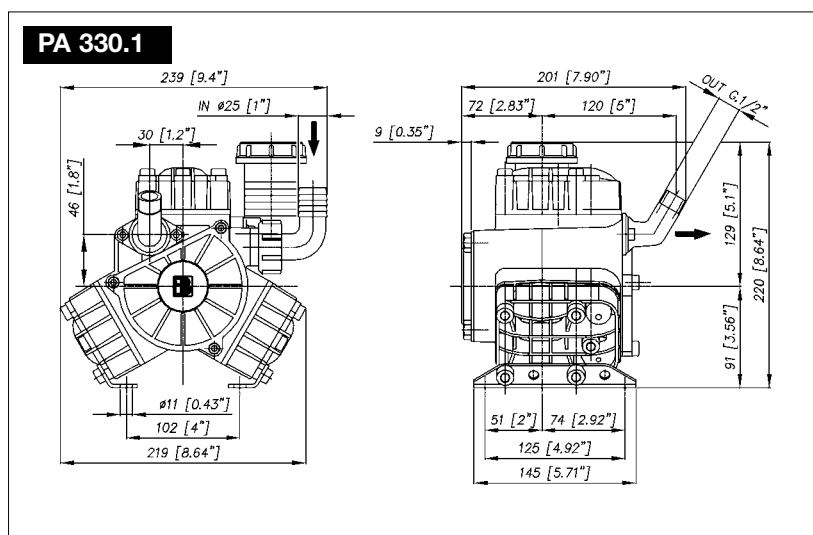
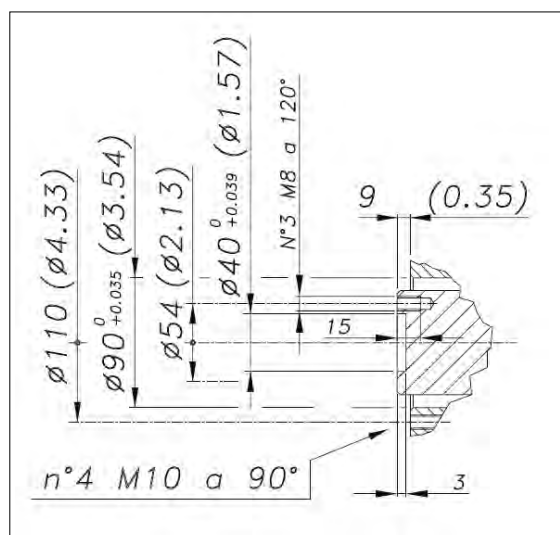
* IN VITON REPLACE THE LAST 3 NUMBERS BY10.2

³ IN VITON REPLACE THE LAST 3 NUMBERS BY05.2

**IDROMECCANICA®
BERTOLINI**



DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS

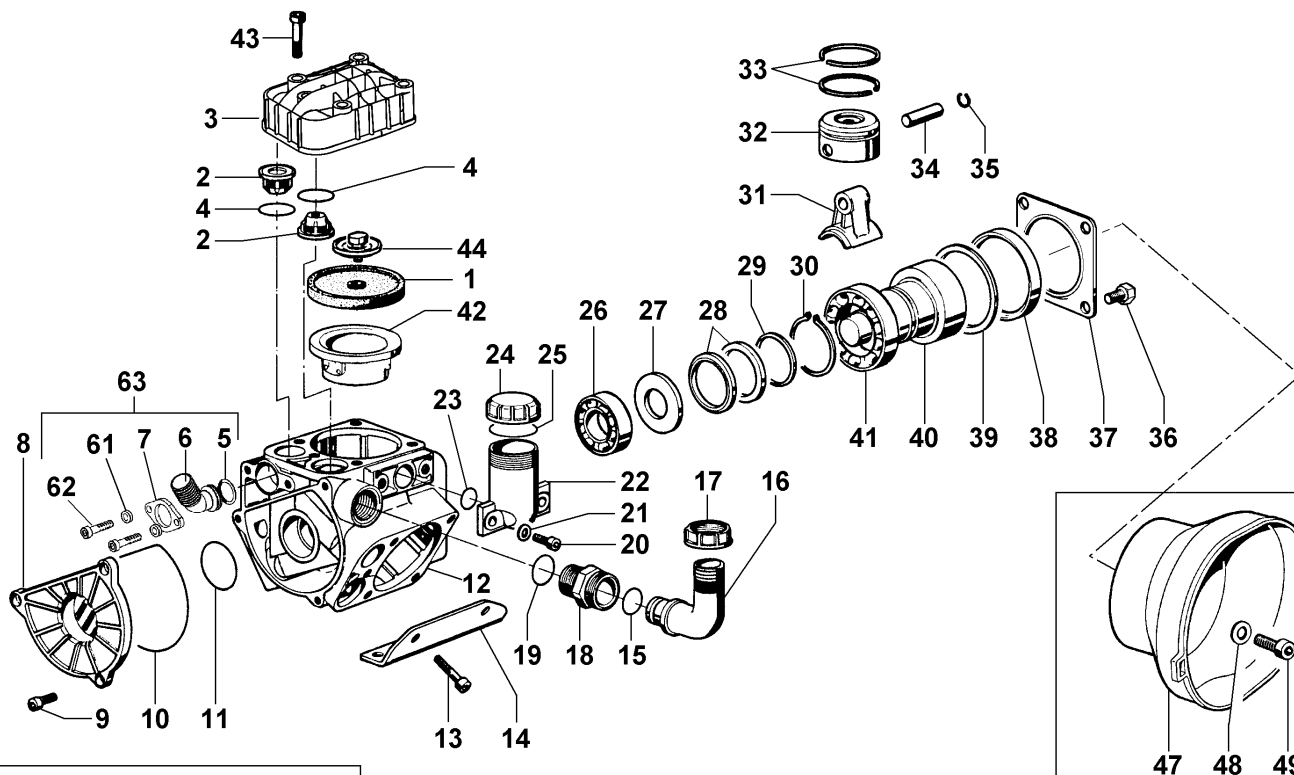


Maintenance instructions for diaphragm pumps Page 11

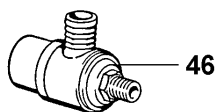
CODICE CODE	Q.TY	N. POS.	PA 330.1	
			N.m	Lbr.ft
86.2131.00.2	3	9	10	7.4
86.2730.00.2	2	20	10	7.4
86.2168.00.2	2	7	10	7.4
86.2893.00.2	11	43	22	16.2
86.2900.00.2	4	13	22	16.2
86.3185.00.2	4	36	22	16.2
03.0021.97.3	3	44	5	3.7
TOLLERANZA DI SERRAGGIO:			0 → - 10%	
TOLLERENCE ON TORQUE VALUE:			0 → - 10%	

KIT	CODICE PART NUMBER	03.9874.97.3				03.9875.97.3		03.9876.97.3		03.9877.97.3		03.9872.97.3							
	DESCRIZIONE DESCRIPTION	KIT POMPA PUMP KIT				VAM VALVES ASSY		MEMBRANE BUNA - N DIAPHRAGMS		MEMBRANE DESMOPAN DIAPHRAGMS		MEMBRANE PENTAX DIAPHRAGMS							
POSIZIONE ESPLOSO POSITION NUMBER		4	38	10	11	2	4	1	4	1	4	1	4						
QUANTITÀ NEL KIT QUANTITIES INCLUDED		6	1	1	1	6	6	3	6	3	6	3	6						

PA 330.1



OPTIONAL



OPTIONAL

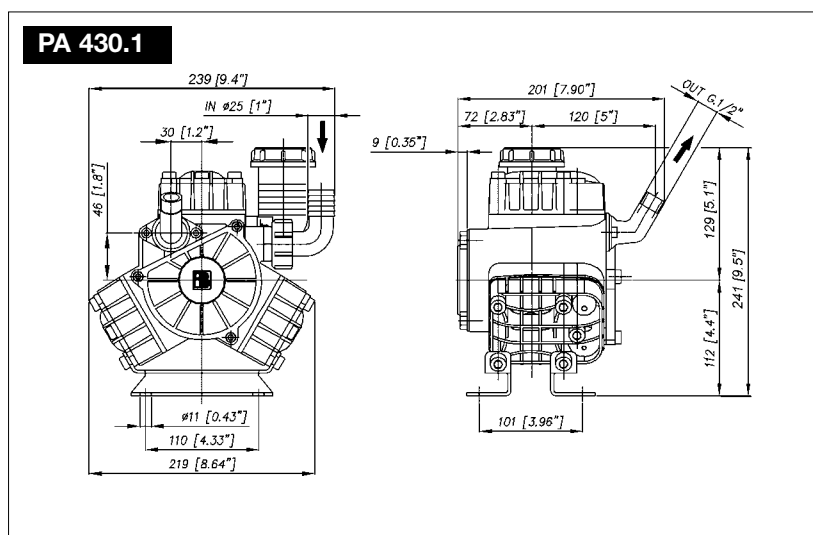
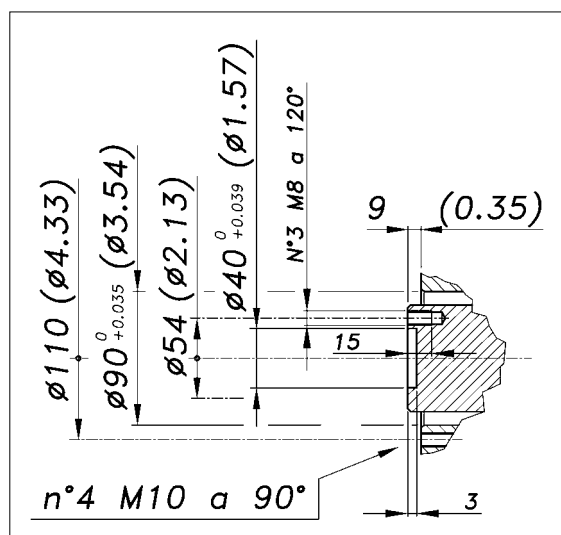
NOMENCLATURA RICAMBI POMPE A MEMBRANA "PA 330.1"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	03.0040.31.2	3	MEMBRANA PISTONE BUNA-N	34	85.2006.00.2	3	SPINOTTO D.10
1	03.0040.00.2	3	MEMBRANA PISTONE DESMOPAN (OPT.)	35	80.0003.00.2	6	ANELLO D.10
2	03.9821.97.3	6	GRUPPO VALVOLA A/M	36	86.3185.00.2	4	VITE TE M10x16 UNI5739
3	03.0202.09.2	3	TESTATA	37	17.0013.61.2	1	COPERCHIO P.D.F.
4	03.0029.36.2	6	GUARNIZIONE VALVOLA A/M	38	80.2264.10.2	1	ANELLO RADIALE
5	80.3218.00.2	1	ANELLO OR 3,0x22	39	03.0015.61.2	1	ANELLO SPALLAMENTO CUSCINETTO
6	31.1515.09.2	1	RACCORDO ORIENTABILE G.1/2	40	03.0017.26.2	1	ALBERO ECCENTRICO "VF"
7	31.1517.61.2	1	FLANGIA BLOCCAGGIO RACC. ORIENTABILE	40	03.0038.26.2	1	ALBERO ECCENTRICO "RT2"
8	03.0003.09.2	1	COPERCHIO ASPIRAZIONE "VF"	41	81.2933.00.2	1	CUSCINETTO SFERE
9	86.2131.00.2	3	VITE TCEI M6x18 UNI5931	42	03.0007.01.2	3	CAMICIA "VF"
10	80.3210.66.2	1	ANELLO OR 2,62x101,27	42	03.0036.01.2	3	CAMICIA "RT2"
11	80.3208.30.2	1	ANELLO OR 2,62x36,14	43	86.2893.00.2	11	VITE TCEI M8x50 UNI5931
12	03.0001.09.2	1	CARTER POMPA	44	03.0021.97.3	3	KIT VITE/PIATTELLO MEMBRANA
13	86.2900.00.2	4	VITE TCEI M8x55 UNI5931	46	24.3040.97.3	1	VALVOLA SICUREZZA 40 BAR (OPTIONAL)
14	03.0014.61.2	2	PIEDINO POMPA	47	31.1482.32.2	1	CUFFIA DI PROTEZIONE (OPTIONAL)
15	80.3200.00.2	1	ANELLO OR 2,62x22,22	48	84.3810.00.2	4	ROSETTA D.10,5x21x2 (OPTIONAL)
16	84.0542.00.2	1	RACCORDO CURVO D.25	49	86.3212.00.2	4	VITE TCEI M10x20 UNI5931 (OPTIONAL)
17	82.0049.00.2	1	GALLETTO M34	61	84.3585.00.2	2	ROSETTA D.6 UNI 6592
18	83.5062.10.2	1	NIPPLO G.3/4-M34	62	86.2108.00.2	2	VITE TCEI 6X16 UNI 5931
19	80.3205.00.2	1	ANELLO OR 2,62x25,07	63	31.8916.97.3	1	KIT G.1/2"
20	86.2730.00.2	2	VITE TCEI M8x30 UNI5931				
21	84.3685.00.2	2	ROSETTA D.8,2x15x1,5				
22	23.0008.32.2	1	SERBATOIO OLIO				
23	80.3180.00.2	1	ANELLO OR 2,62x15,08				
24	85.2750.00.2	1	TAPPO SERBATOIO OLIO				
25	82.4120.00.2	1	GUARNIZIONE D.45				
26	81.2646.00.2	1	CUSCINETTO SFERE				
27	03.0011.61.2	1	ANELLO SPALLAMENTO ALBERO				
28	94.0047.76.2	2	ANELLO BIELLE				
29	03.0012.61.2	1	ANELLO SPALLAMENTO				
30	80.1331.00.2	1	ANELLO D.45 PER ALBERO				
31	03.0005.09.2	3	BIELLA SINGOLA				
32	03.0006.09.2	3	PISTONE				
33	81.8502.50.2	6	FASCIA ELASTICA D.48				

IDROMECCANICA[®]
BERTOLINI



DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS

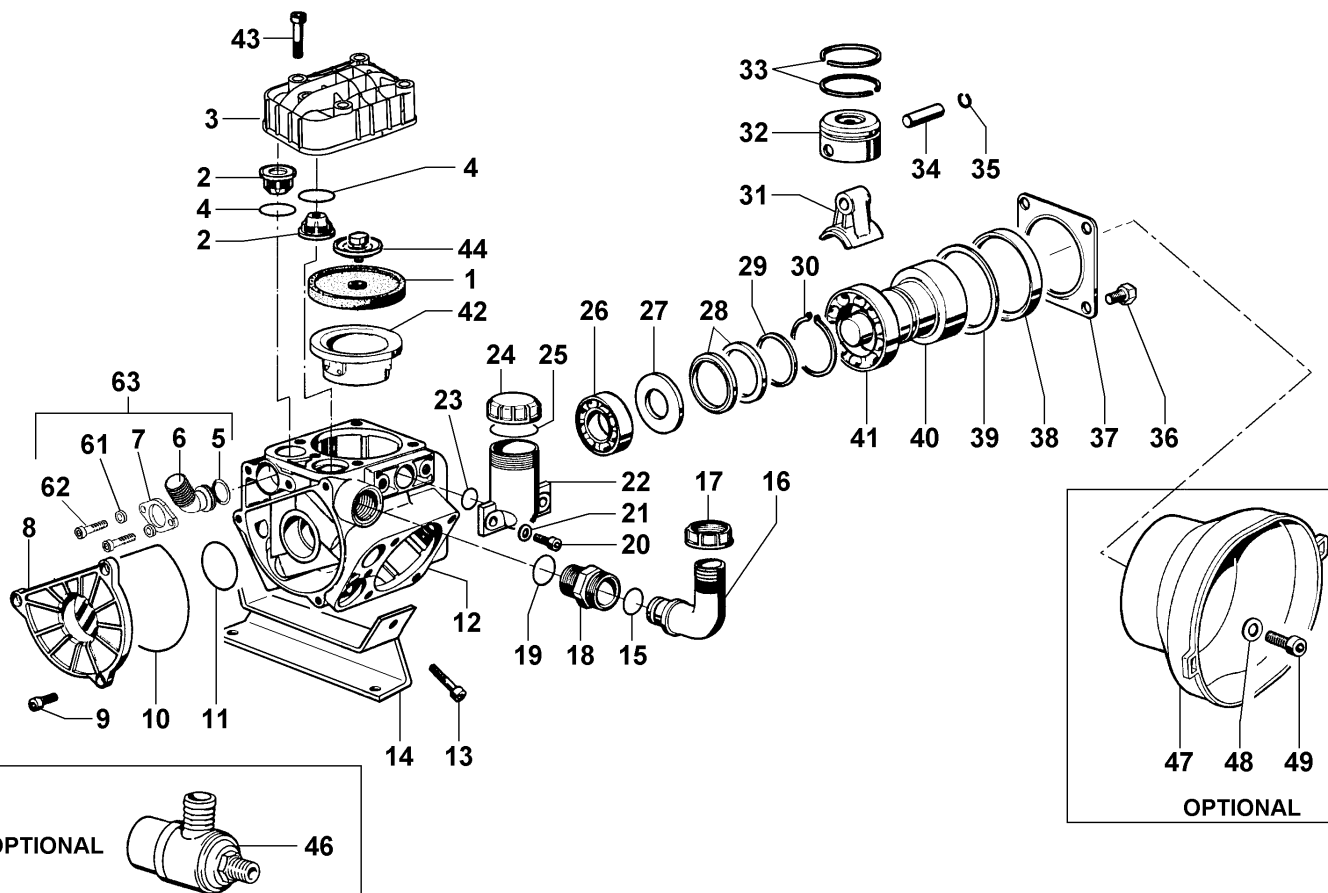


Maintenance instructions for diaphragm pumps Page 11

[illegible]

KIT	CODICE PART NUMBER	03.9874.97.3				03.9875.97.3		03.9876.97.3		03.9877.97.3		03.9872.97.3							
	DESCRIZIONE DESCRIPTION	KIT POMPA PUMP KIT				VAM VALVES ASSY		MEMBRANE BUNA - N DIAPHRAGMS		MEMBRANE DESMOPAN DIAPHRAGMS		MEMBRANE PENTAX DIAPHRAGMS							
POSIZIONE ESPLOSO POSITION NUMBER		4	38	10	11	2	4	1	4	1	4	1	4						
QUANTITÀ NEL KIT QUANTITIES INCLUDED		6	1	1	1	6	6	3	6	3	6	3	6						

PA 430.1



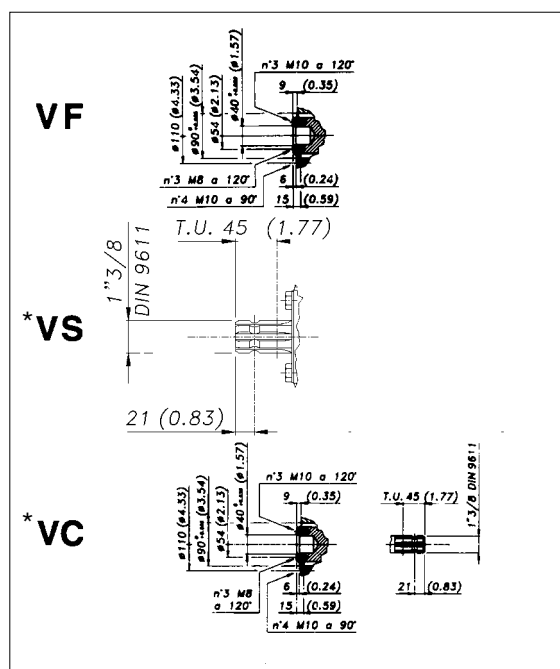
NOMENCLATURA RICAMBI POMPE A MEMBRANA "PA 430.1"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	03.0040.31.2	3	MEMBRANA PISTONE BUNA-N	34	85.2006.00.2	3	SPINOTTO D.10
1	03.0040.00.2	3	MEMBRANA PISTONE DESMOPAN (OPTIONAL)	35	80.0003.00.2	6	ANELLO D.10
2	03.9821.97.3	6	GRUPPO VALVOLA A/M	36	86.3185.00.2	4	VITE TE M10x16 UNI5739
3	03.0202.09.2	3	TESTATA	37	17.0013.61.2	1	COPERCHIO P.D.F.
4	03.0029.36.2	6	GUARNIZIONE VALVOLA A/M	38	80.2264.10.2	1	ANELLO RADIALE
5	80.3218.00.2	1	ANELLO OR 3,0x22	39	03.0015.61.2	1	ANELLO SPALLAMENTO CUSCINETTO
6	31.1515.09.2	1	RACCORDO ORIENTABILE G.1/2	40	03.0018.26.2	1	ALBERO ECCENTRICO "VF"
7	31.1517.61.2	1	FLANGIA BLOCCAGGIO RACC. ORIENTABILE	41	81.2933.00.2	1	CUSCINETTO SFERE
8	03.0003.09.2	1	COPERCHIO ASPIRAZIONE "VF"	42	03.0008.01.2	3	CAMICIA
9	86.2131.00.2	3	VITE TCEI M6x18 UNI5931	43	86.2893.00.2	11	VITE TCEI M8x50 UNI5931
10	80.3210.66.2	1	ANELLO OR 2,62x101,27	44	03.0021.97.3	3	KIT VITE/PIATTELLO MEMBRANA
11	80.3208.30.2	1	ANELLO OR 2,62x36,14	46	24.3040.97.3	1	VALVOLA SICUREZZA 40 BAR (OPTIONAL)
12	03.0001.09.2	1	CARTER POMPA	47	31.1482.32.2	1	CUFFIA DI PROTEZIONE (OPTIONAL)
13	86.2900.00.2	4	VITE TCEI M8x55 UNI5931	48	84.3810.00.2	4	ROSETTA D.10,5x21x2 (OPTIONAL)
14	03.0033.61.2	2	PIEDINO POMPA	49	86.3212.00.2	4	VITE TCEI M10x20 UNI5931 (OPTIONAL)
15	80.3200.00.2	1	ANELLO OR 2,62x22,22	61	84.3585.00.2	2	ROSETTA D.6 UNI 6592
16	84.0542.00.2	1	RACCORDO CURVO D.25	62	86.2108.00.2	2	VITE TCEI 6X16 UNI 5931
17	82.0049.00.2	1	GALLETTO M34	63	31.8916.97.3	1	KIT G.1/2"
18	83.5062.10.2	1	NIPPLO G.3/4-M34				
19	80.3205.00.2	1	ANELLO OR 2,62x25,07				
20	86.2730.00.2	2	VITE TCEI M8x30 UNI5931				
21	84.3685.00.2	2	ROSETTA D.8,2x15x1,5				
22	23.0008.32.2	1	SERBATOIO OLIO				
23	80.3180.00.2	1	ANELLO OR 2,62x15,08				
24	85.2750.00.2	1	TAPPO SERBATOIO OLIO				
25	82.4120.00.2	1	GUARNIZIONE D.45				
26	81.2646.00.2	1	CUSCINETTO SFERE				
27	03.0011.61.2	1	ANELLO SPALLAMENTO ALBERO				
28	94.0047.76.2	2	ANELLO BIELLE				
29	03.0012.61.2	1	ANELLO SPALLAMENTO				
30	80.1331.00.2	1	ANELLO D.45 PER ALBERO				
31	03.0005.09.2	3	BIELLA SINGOLA				
32	03.0006.09.2	3	PISTONE				
33	81.8502.50.2	6	FASCIA ELASTICA D.48				

PA 408



ALBERO POMPA - PUMP SHAFT



* Fuori produzione
Out of production

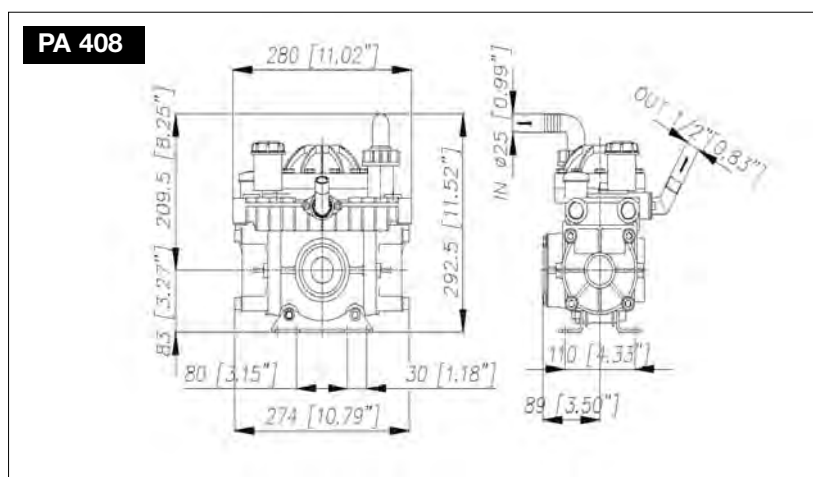
Installazione e norme generali di sicurezza
Pag. 2

Installation and general safety information
Page 8

Istruzioni di manutenzione pompe a
membrana Pag. 5

Maintenance instructions for diaphragm
pumps Page 11

DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



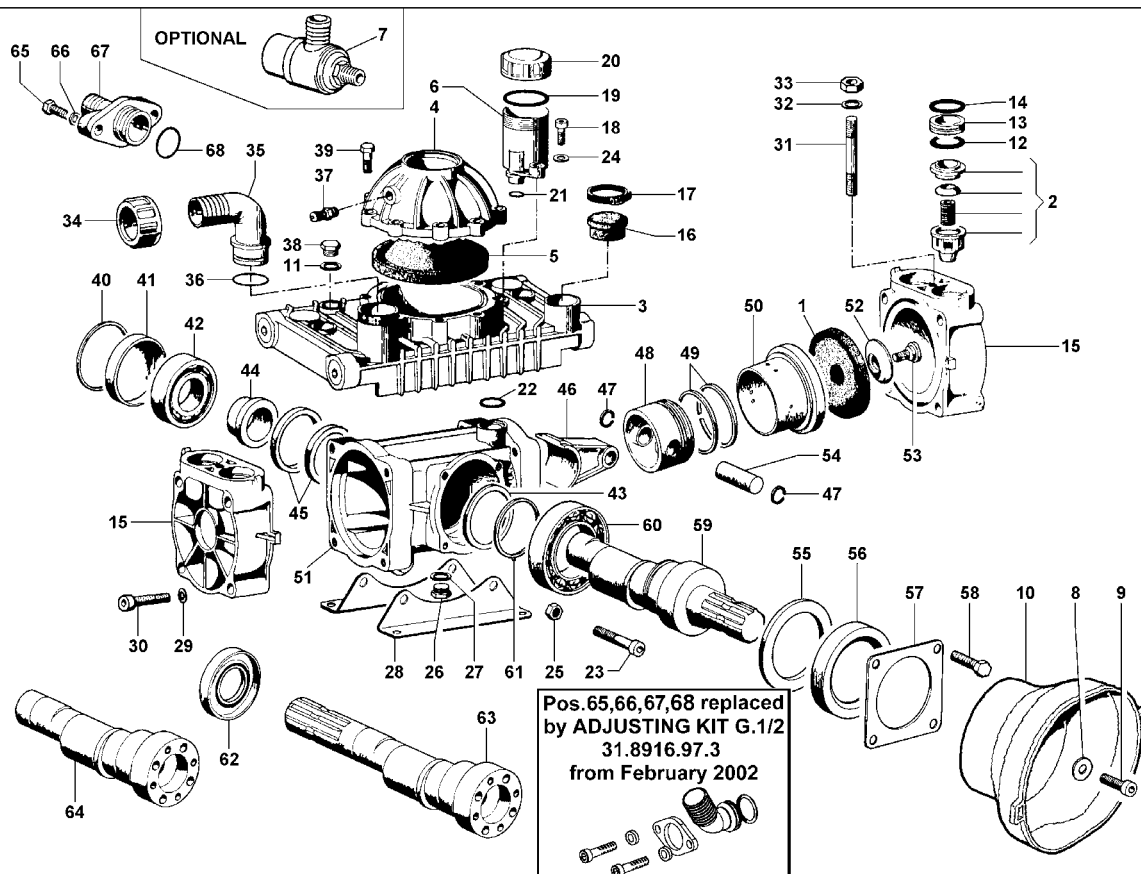
COPPIA DI SERRAGGIO - TORQUE CHART

CODICE CODE	Q.TY	N. POS.	PA 408	
			N.m	Lbr.ft
86.2741.00.2	10	39	22	16.2
86.3562.50.2	8	30	50	36.9
86.3206.00.2	4	58	30	22.1
86.2601.00.2	2	53	12	8.9
81.4694.00.2	2	33	40	29.5
86.2190.00.2	2	65	10	7.4
86.3575.00.2	2	23	30	22.1
86.2730.00.2	1	18	10	7.4
TOLLERANZA DI SERRAGGIO:			0 → - 10%	
TOLERANCE ON TORQUE VALUE:			0 → - 10%	

KIT RICAMBI - SPARES KIT PA 408

KIT	CODICE PART NUMBER	17.9881.97.3					17.9870.97.3			17.9871.97.3					17.9873.97.3					17.9856.97.3					17.9874.97.3									
	DESCRIZIONE DESCRIPTION	KIT POMPA PUMP KIT					VAM VALVES ASSY			MEMBRANE BUNA - N DIAPHRAGMS					MEMBRANE DESMOPAN DIAPHRAGMS					MEMBRANE VITON DIAPHRAGMS					MEMBRANE PENTAX DIAPHRAGMS									
POSIZIONE ESPLOSO POSITION NUMBER		41	56	14	22	12	2	14	12	14	12	16	5	1	14	12	16	5	1	14	12	16	5	1	14	12	16	5	1					
QUANTITÀ NEL KIT QUANTITIES INCLUDED		1	1	2	1	4	4	2	4	2	4	1	1	2	2	4	1	1	2	2	4	1	1	2	2	4	1	1	2	2	4	1	1	2

PA 408



NOMENCLATURA RICAMBI POMPE A MEMBRANA "PA 408"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	95.0040.31.2	2	MEMBRANA PISTONE BUNA-N	35	84.0565.00.2	1	RACCORDO CURVO D.32 (OPTIONAL)
1	95.0040.33.2	2	MEMBRANA PISTONE VITON (OPT.)	36	80.3219.00.2	1	ANELLO OR 3,0x25
1	95.0040.00.2	2	MEMBRANA PISTONE DESMOPAN (OPT.)	37	86.1605.00.2	1	VALVOLA ARIA
2	93.9806.97.3	4	GR.VALVOLA A/M	38	85.2579.00.2	1	TAPPO G.3/8
3	17.9820.97.3	1	GR.COLLETTORE A/M	39	86.2741.00.2	10	VITE TE M8x35 UNI5737
4	93.0152.09.2	1	ACCUMULATORE SUPERIORE	40	80.1422.00.2	1	ANELLO D.72 PER FORO
5	93.0041.31.2	1	MEMBRANA ACCUMULATORE	41	80.2155.00.2	1	CAPPELLOTTA "VF" - "VS"
5	93.0041.33.2	1	MEMBRANA ACCUMULATORE VITON	42	81.2846.00.2	1	CUSCINETTO SFERE
6	17.0110.32.2	1	SERBATOIO OLIO	43	17.0027.76.2	1	DISTANZIALE
7	24.3040.97.3	1	VALVOLA SICUREZZA 40 BAR (OPTIONAL)	44	93.0037.09.2	1	DISTANZIALE
8	84.3810.00.2	4	ROSETTA D.10,5x21x2 (OPTIONAL)	45	93.0047.76.2	2	ANELLO BIELLE
9	86.3212.00.2	4	VITE TCEI M10x20 UNI5931 (OPTIONAL)	46	17.0004.09.2	2	BIELLA SINGOLA
10	31.1482.32.2	1	CUFFIA DI PROTEZIONE (OPTIONAL)	47	80.0021.00.2	4	ANELLO PER FORO D.15
11	82.4107.00.2	1	GUARNIZIONE D.16,5x23x1	48	17.0109.08.2	2	PISTONE
12	80.3380.00.2	4	ANELLO OR 6,0x24	49	81.8514.00.2	4	FASCIA ELASTICA D.62
13	17.0021.53.2	2	DISTANZIALE	50	17.0106.01.2	2	CAMICIA
14	80.3219.10.2	2	ANELLO OR 3,0x30	51	17.0103.09.2	1	CARTER POMPA
15	95.0142.09.2	2	TESTATA POMPA	52	95.0036.32.2	2	PIATTELLO MEMBRANA
16	93.0021.31.2	1	MEMBRANA SOFFIETTO	53	86.2601.00.2	2	VITE FISSAGGIO MEMBRANA
16	93.0021.33.2	1	MEMBRANA SOFFIETTO VITON (OPT.)	54	85.2007.00.2	2	SPINOTTO D.15x54
17	81.7522.90.2	1	FASCETTA	55	17.0024.76.2	1	DISTANZIALE ANELLO DI TENUTA
18	86.2730.00.2	1	VITE TCEI M8x30 UNI5931	56	80.2264.10.2	1	ANELLO RADIALE
19	80.3208.20.2	1	ANELLO OR 2,62x34,6	57	17.0013.61.2	1	COPERCHIO P.D.F.
20	85.2744.00.2	1	TAPPO SERBATOIO OLIO	58	86.3206.00.2	4	VITE TE M10x20 UNI5739
21	80.3217.00.2	1	ANELLO OR 3,0x14	59	17.0130.26.2	1	ALBERO ECCENTRICO "VS"
22	80.3303.00.2	1	ANELLO OR 4,0x17	60	81.2972.00.2	1	CUSCINETTO SFERE
23	86.3575.00.2	2	VITE TCEI M10x75 UNI5931	61	80.1377.00.2	1	ANELLO SEEGER D.55
24	84.3685.00.2	1	ROSETTA D.8,2x15x1,5	62	80.2161.50.2	1	ANELLO RADIALE "VC"
25	81.4648.00.2	2	DADO M10 UNI5587	63	17.0134.26.2	1	ALBERO ECCENTRICO "VC"
26	85.2543.50.2	1	TAPPO G.1/4	64	17.0131.26.2	1	ALBERO ECCENTRICO "VF"
27	82.4081.00.2	1	GUARNIZIONE D.13,2x19x1,5	65	86.2190.00.2	2	VITE TE M6x22 UNI5739
28	93.0024.61.2	2	PIEDINO POMPA	66	84.3585.00.2	2	ROSETTA D.6,4x12,5x1,6
29	84.3801.00.2	8	ROSETTA D.10,5x18x2	67	31.0268.28.2	1	RACCORDO G.1/2
30	86.3562.50.2	8	VITE TCEI M10x70 UNI5931	67	31.1198.28.2	1	RACCORDO 1/2" NPT (OPTIONAL)
31	83.8662.00.2	2	PRIGIONIERO M12x55 UNI5911	67	31.8916.97.3	1	KIT MANDATA G.1/2 ORIENTABILE (OPTIONAL)
32	84.3844.00.2	2	ROSETTA D.12,2x21x2,5	67	31.8918.97.3	1	KIT MANDATA 1/2 NPT ORIENTABILE (OPTIONAL)
33	81.4694.00.2	2	DADO M12 UNI5588	68	80.3218.00.2	1	ANELLO OR 3,0x22
34	82.0067.50.2	1	GALLETTO G.1"1/4				
35	84.0542.40.2	1	RACCORDO CURVO D.25				
35	84.0560.00.2	1	RACCORDO CURVO D.30 (OPTIONAL)				

* IN VITON REPLACE THE LAST 3 NUMBERS BY50.2

Δ IN VITON REPLACE THE LAST 3 NUMBERS BY15.2

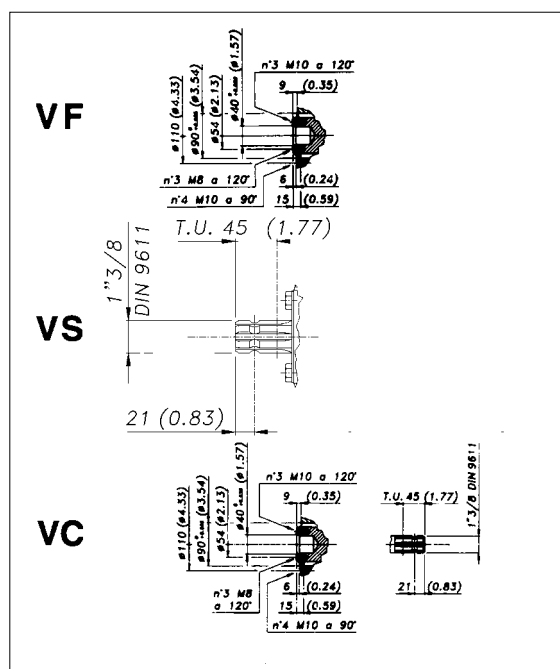
PA 508



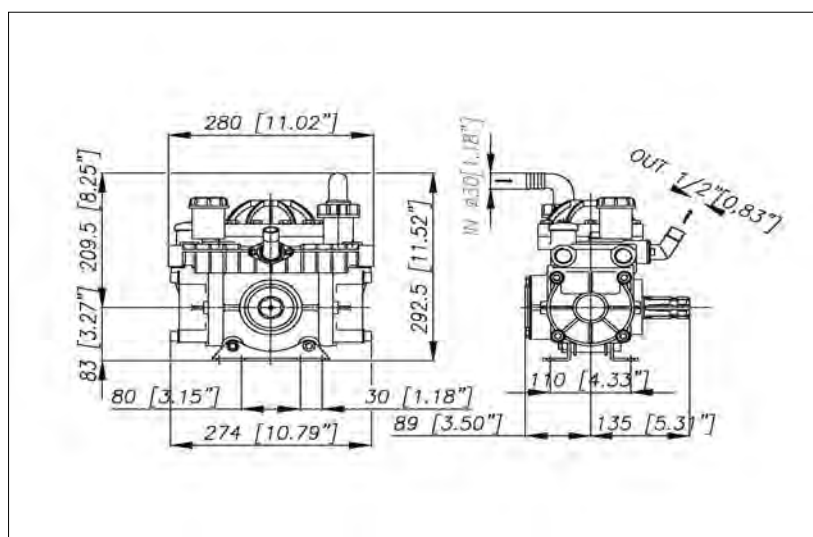
PA 608



ALBERO POMPA - PUMP SHAFT



DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



Installazione e norme generali di sicurezza
Pag. 2

Installation and general safety information
Page 8

Istruzioni di manutenzione pompe a
membrana Pag. 5

Maintenance instructions for diaphragm
pumps Page 11

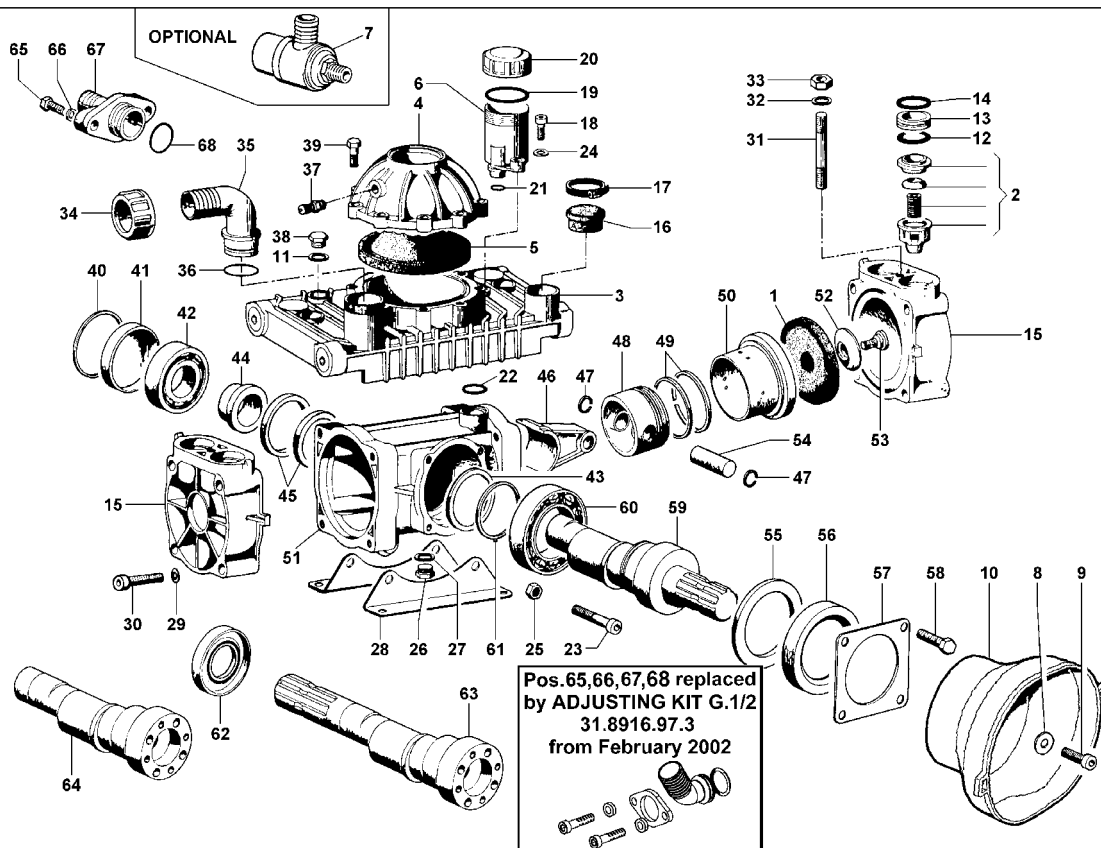
COPPIA DI SERRAGGIO - TORQUE CHART

CODICE CODE	Q.TY	N. POS.	PA 508 - PA 608	
			N.m	Lbr.ft
86.2741.00.2	10	39	22	16.2
86.3562.50.2	8	30	50	36.9
86.3206.00.2	4	58	30	22.1
86.2601.00.2	2	53	12	8.9
81.4694.00.2	2	33	40	29.5
86.2190.00.2	2	65	10	7.4
86.3575.00.2	2	23	30	22.1
86.2730.00.2	1	18	10	7.4
TOLLERANZA DI SERRAGGIO:			0 → - 10%	
TOLERANCE ON TORQUE VALUE:			0 → - 10%	

KIT RICAMBI - SPARES KIT PA 508 - PA 608

KIT	CODICE PART NUMBER	17.9881.97.3					17.9870.97.3			17.9871.97.3					17.9873.97.3					17.9856.97.3					17.9874.97.3											
	DESCRIZIONE DESCRIPTION	KIT POMPA PUMP KIT					VAM VALVES ASSY			MEMBRANE BUNA - N DIAPHRAGMS					MEMBRANE DESMOPAN DIAPHRAGMS					MEMBRANE VITON DIAPHRAGMS					MEMBRANE PENTAX DIAPHRAGMS											
POSIZIONE ESPLOSO POSITION NUMBER		41	56	14	22	12	2		14	12	14	12	16	5	1	14	12	16	5	1	14	12	16	5	1	14	12	16	5	1						
QUANTITÀ NEL KIT QUANTITIES INCLUDED		1	1	2	1	4	4	2	4	2	4	1	1	2	2	4	1	1	2	2	4	1	1	2	2	4	1	1	2	2	4	1	1	2		

PA 508 - PA 608



NOMENCLATURA RICAMBI POMPE A MEMBRANA "PA 508 - PA 608"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	95.0040.31.2	2	MEMBRANA PISTONE BUNA-N	37	86.1605.00.2	1	VALVOLA ARIA
1	95.0040.33.2	2	MEMBRANA PISTONE VITON (OPT.)	38	85.2579.00.2	1	TAPPO G.3/8
1	95.0040.00.2	2	MEMBRANA PISTONE DESMOPAN (OPT.)	39	86.2741.00.2	10	VITE TE M8x35 UNI5737
2	93.9806.97.3	4	GR.VALVOLA A/M	40	80.1422.00.2	1	ANELLO D.72 PER FORO
3	17.9820.97.3	1	GR.COLLETTORE A/M	41	80.2155.00.2	1	CAPPELLOTTA "VF" - "VS"
4	93.0152.09.2	1	ACCUMULATORE SUPERIORE	42	81.2846.00.2	1	CUSCINETTO SFERE
5	93.0041.31.2	1	MEMBRANA ACCUMULATORE	43	17.0027.76.2	1	DISTANZIALE
5	93.0041.33.2	1	MEMBRANA ACCUMULATORE VITON (OPT.)	44	93.0037.09.2	1	DISTANZIALE
6	17.0110.32.2	1	SERBATOIO OLIO	45	93.0047.76.2	2	ANELLO BIELLE
7	24.3040.97.3	1	VALVOLA SICUREZZA 40 BAR (OPTIONAL)	46	17.0004.09.2	2	BIELLA SINGOLA
8	84.3810.00.2	4	ROSETTA D.10,5x21x2 (OPTIONAL)	47	80.0021.00.2	4	ANELLO PER FORO D.15
9	86.3212.00.2	4	VITE TCEI M10x20 UNI5931 (OPTIONAL)	48	17.0109.08.2	2	PISTONE
10	31.1482.32.2	1	CUFFIA DI PROTEZIONE (OPTIONAL)	49	81.8514.00.2	4	FASCIA ELASTICA D.62
11	82.4107.00.2	1	GUARNIZIONE D.16,5x23x1	50	93.0123.01.2	2	CAMICIA (PA508)
12	80.3380.00.2	4	ANELLO OR 6,0x24	50	93.0124.01.2	2	CAMICIA (PA608)
13	17.0021.53.2	2	DISTANZIALE	51	17.0103.09.2	1	CARTER POMPA
14	80.3219.10.2	2	ANELLO OR 3,0x30	52	95.0036.32.2	2	PIATTELLO MEMBRANA
1595.0142.09.2	2	TESTATA POMPA	53	86.2601.00.2	2	VITE FISSAGGIO MEMBRANA	
16	93.0021.31.2	1	MEMBRANA SOFFIETTO	54	85.2007.00.2	2	SPINOTTO D.15x54
16	93.0021.33.2	1	MEMBRANA SOFFIETTO VITON (OPT.)	55	17.0024.76.2	1	DISTANZIALE ANELLO DI TENUTA
17	81.7522.90.2	1	FASCETTA	56	80.2264.10.2	1	ANELLO RADIALE
18	86.2730.00.2	1	VITE TCEI M8x30 UNI5931	57	17.0013.61.2	1	COPERCHIO P.D.F.
19	80.3208.20.2	1	ANELLO OR 2,62x34,6	58	86.3206.00.2	4	VITE TE M10x20 UNI5739
20	85.2744.00.2	1	TAPPO SERBATOIO OLIO	59	93.0132.26.2	1	ALBERO ECC. PA508 "VS"
21	80.3217.00.2	1	ANELLO OR 3,0x14	59	93.0126.26.2	1	ALBERO ECC. PA608 "VS"
22	80.3303.00.2	1	ANELLO OR 4,0x17	60	81.2972.00.2	1	CUSCINETTO SFERE
23	86.3575.00.2	2	VITE TCEI M10x75 UNI5931	61	80.1377.00.2	1	ANELLO SEEGER D.55
24	84.3685.00.2	1	ROSETTA D.8,2x15x1,5	62	80.2161.50.2	1	ANELLO RADIALE "VC"
25	81.4648.00.2	2	DADO M10 UNI5587	63	93.0134.26.2	1	ALBERO ECC. PA508 "VC"
26	85.2543.50.2	1	TAPPO G.1/4	63	93.0127.26.2	1	ALBERO ECC. PA608 "VC"
27	82.4081.00.2	1	GUARNIZIONE D.13,2x19x1,5	64	93.0131.26.2	1	ALBERO ECC. PA508 "VF"
28	93.0024.61.2	2	PIEDINO POMPA	65	86.2190.00.2	2	VITE TE M6x22 UNI5739
29	84.3801.00.2	8	ROSETTA D.10,5x18x2	66	84.3585.00.2	2	ROSETTA D.6,4x12,5x1,6
30	86.3562.50.2	8	VITE TCEI M10x70 UNI5931	67	31.0268.28.2	1	RACCORDO G.1/2
31	83.8662.00.2	2	PRIGIONIERO M12x55 UNI5911	67	31.1198.28.2	1	RACCORDO 1/2" NPT (OPTIONAL)
32	84.3844.00.2	2	ROSETTA D.12,2x21x2,5	67	31.8916.97.3	1	KIT MANDATA G.1/2 ORIENTABILE
33	81.4694.00.2	2	DADO M12 UNI5588	67	31.8918.97.3	1	KIT MANDATA 1/2 NPT ORIENTABILE (OPTIONAL)
34	82.0067.50.2	1	GALLETTO G.1"1/4	68	80.3218.00.2	1	ANELLO OR 3,0x22
35	84.0560.00.2	1	RACCORDO CURVO D.30				
35	84.0542.40.2	1	RACCORDO CURVO D.25 (OPTIONAL)				
35	84.0565.00.2	1	RACCORDO CURVO D.32 (OPTIONAL)				
36	80.3219.00.2	1	ANELLO OR 3,0x25				

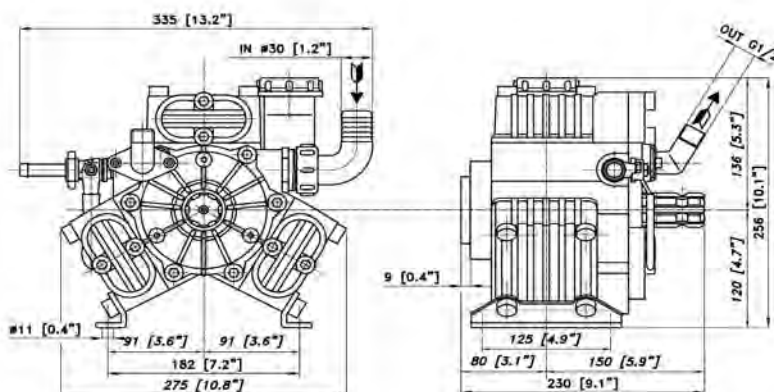
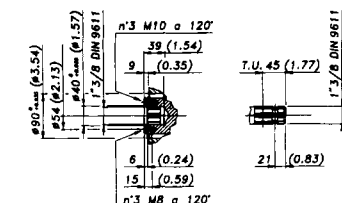
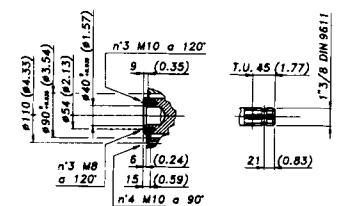
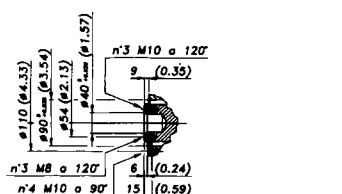
* IN VITON REPLACE THE LAST 3 NUMBERS BY50.2

Δ IN VITON REPLACE THE LAST 3 NUMBERS BY15.2

**IDROMECCANICA®
BERTOLINI**



DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS

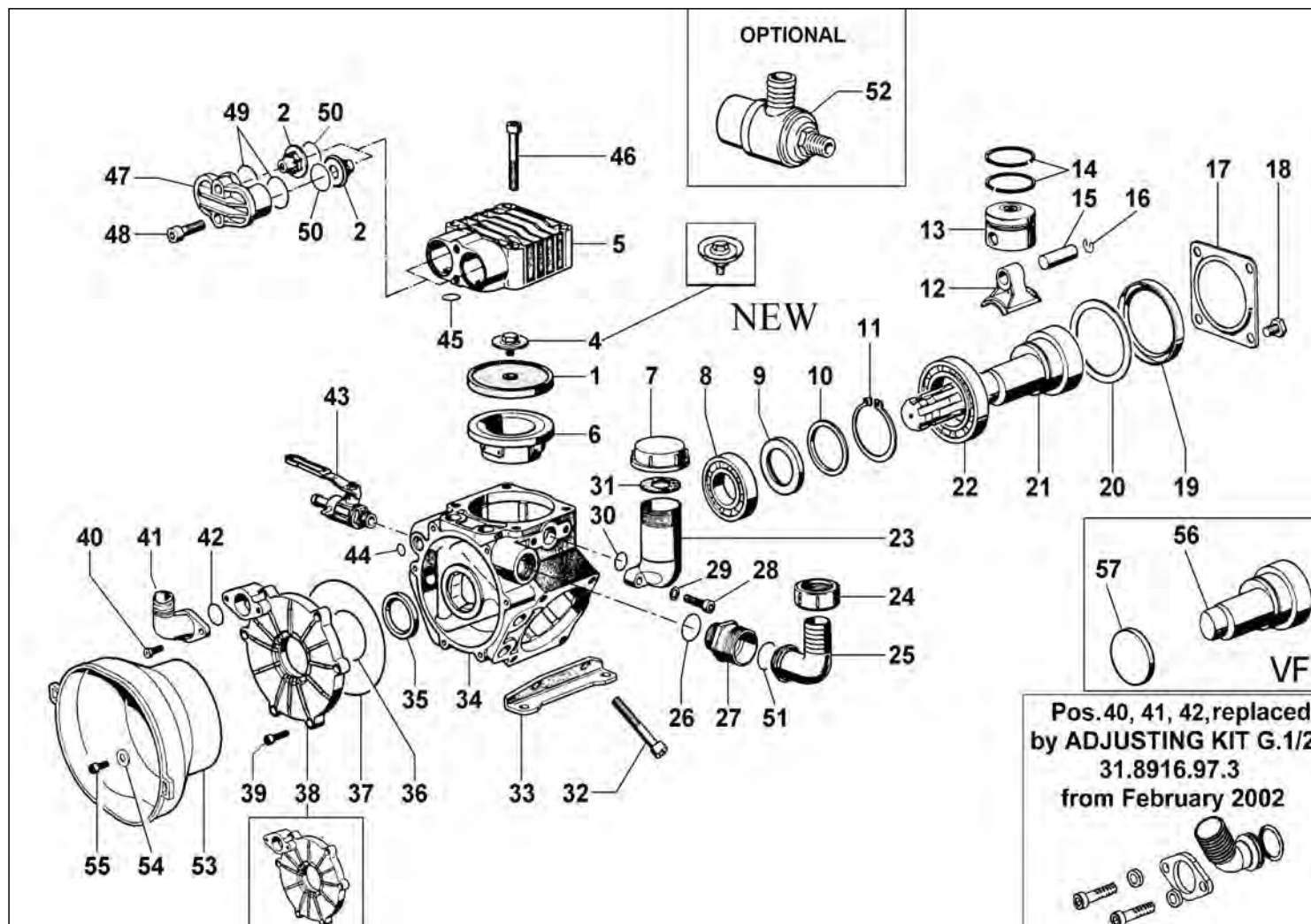


CODICE CODE	Q.TY	N. POS.	PA 530	
			N.m	Lbr.ft
23.0015.51.2	3	4	12	8.9
86.2168.00.2	2	40	10	7.4
86.2216.00.2	6	39	10	7.4
86.2730.00.2	2	28	10	7.4
86.3185.00.2	4	18	22	16.2
86.3300.00.2	6	48	44	32.5
86.3560.00.2	8	46	44	32.5
86.3562.00.2	4	32	44	32.5
23.0043.98.3	3	4	12	8.9
TOLLERANZA DI SERRAGGIO:			0 → - 10%	
TOLERANCE ON TORQUE VALUE:			0 → - 10%	

Maintenance instructions for diaphragm pumps Page 11

KIT	CODICE PART NUMBER	23.9880.97.3								23.9829.97.3			23.9828.97.3		23.9873.97.3		23.9826.97.3								23.9875.97.3			
	DESCRIZIONE DESCRIPTION	KIT POMPE PUMP KIT								VAM VALVES ASSY			MEMBRANE BUNA - N DIAPHRAGMS		MEMBRANE DESMOPAN DIAPHRAGMS		MEMBRANE VITON DIAPHRAGMS								MEMBRANE PENTAX DIAPHRAGMS			
POSIZIONE ESPLOSO POSITION NUMBER		35	19	44	45	49	50	36	37	2	50	49	1	45	1	45	1	44	45	49	50	36	37	1	45			
QUANTITÀ NEL KIT QUANTITIES INCLUDED		1	1	1	6	6	6	1	1	6	6	6	3	6	3	6	3	1	6	6	6	1	1	3	6			

PA 530



NOMENCLATURA RICAMBI POMPE A MEMBRANA "PA 530"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	23.0011.31.2	3	MEMBRANA PISTONE BUNA-N	29	84.3685.00.2	2	ROSETTA D.8,2x15x1,5
1	23.0011.33.2	3	MEMBRANA PISTONE VITON (OPT.)	30	80.3180.00.2	1	ANELLO OR 2,62x15,08
1	23.0011.00.2	3	MEMBRANA PISTONE DESMOPAN (OPT.)	31	82.4120.00.2	1	GUARNIZIONE D.45
2	23.9805.97.3	6	GR.VALVOLA A/M	32	86.3562.00.2	4	VITE TCEI M10x70 UNI5931
4	23.0043.98.3	3	KIT PIATTELLO/VITE MEMBRANA	33	23.0018.61.2	2	PIEDINO POMPA
4	23.0015.51.3	3	VITE MEMBRANA fino al 12/98	34	23.0001.09.2	1	CARTER POMPA
4	23.0009.32.2	3	PIATTELLO fino al 12/98	35	80.2134.50.2	1	ANELLO RADIALE "VC" - "VM"
5	23.0002.09.2	3	TESTATA	36	80.3209.80.2	1	ANELLO OR 2,62x50,47
6	23.0020.01.2	3	CAMICIA	37	80.3210.68.2	1	ANELLO OR 2,62x120,32
7	85.2750.00.2	1	TAPPO SERBATOIO OLIO	38	23.0046.09.2	1	COPERCHIO CARTER
8	81.2846.00.2	1	CUSCINETTO SFERE	38	23.0006.09.2	1	COPERCHIO CARTER fino al 6/99
9	23.0019.76.2	1	ANELLO SERRAGGIO BIELLA	39	86.2216.00.2	6	VITE TCEI M6x25 UNI5931
10	26.0047.76.2	1	ANELLO SERRAGGIO BIELLA	40	86.2168.00.2	2	VITE TCEI M6x22 UNI5931
11	80.1377.00.2	1	ANELLO SEEGER D.55	41	31.1003.09.2	1	RACCORDO G.1/2 CURVO
12	23.0005.09.2	3	BIELLA SINGOLA IN ALLUMINIO	41	31.1444.09.2	1	RACCORDO 1/2" NPT CURVO (OPTIONAL)
12	23.0045.11.2	3	BIELLA SINGOLA IN BRONZO (OPT)	41	31.8916.97.3	1	KIT MANDATA G.1/2 ORIENTABILE
13	23.0007.09.2	3	PISTONE	41	31.8918.97.3	1	KIT MANDATA 1/2 NPT ORIENTABILE (OPTIONAL)
14	81.8504.50.2	6	FASCIA ELASTICA D.55	42	80.3218.00.2	1	ANELLO OR 3,0x22
15	85.2006.70.2	3	SPINOTTO D.15x46	43	84.5544.10.2	1	RUBINETTO A SFERA G.3/8
16	80.0021.00.2	6	ANELLO PER FORO D.15	44	80.3176.00.2	1	ANELLO OR 2,62x11,91
17	17.0013.61.2	1	COPERCHIO P.D.F.	45	80.3189.00.2	6	ANELLO OR 2,62x18,72
18	86.3185.00.2	4	VITE TE M10x16 UNI5739	46	86.3560.00.2	8	VITE TCEI M10x65 UNI5931
19	80.2264.10.2	1	ANELLO RADIALE	47	23.0003.09.2	3	COPERCHIO VALVOLE
20	17.0024.76.2	1	DISTANZIALE ANELLO DI TENUTA	48	86.3300.00.2	6	VITE TCEI M10x30
21	23.0023.26.2	1	ALBERO ECCENTRICO "VC"	49	80.3219.20.2	6	ANELLO OR 3,0x35
21	23.0024.26.2	1	ALBERO ECCENTRICO "VM"	50	80.3207.00.2	6	ANELLO OR 2,62x29,82
22	81.2972.00.2	1	CUSCINETTO SFERE	51	80.3219.00.2	1	ANELLO OR 3,0x25
23	23.0008.32.2	1	SERBATOIO OLIO	52	24.3040.97.3	1	VALVOLA SICUREZZA 40 BAR (OPTIONAL)
24	82.0067.50.2	1	GALLETTO G.1"1/4	53	31.1467.32.2	1	CUFFIA DI PROTEZIONE (OPTIONAL)
25	84.0560.00.2	1	RACCORDO CURVO D.30	54	84.3618.00.2	3	ROSETTA D.6,6x18x2 (OPTIONAL)
25	84.0565.00.2	1	RACCORDO CURVO D.32 (OPTIONAL)	55	86.2086.00.2	3	VITE TCEI M6x14 UNI5931 (OPTIONAL)
26	80.3207.00.2	1	ANELLO OR 2,62x29,82	56	23.0028.26.2	1	ALBERO ECCENTRICO "VF"
27	83.5089.00.2	1	NIPPLO G.1 - G.1"1/4	57	80.2099.50.2	1	CAPPELLOTTA "VF"
28	86.2730.00.2	2	VITE TCEI M8x30 UNI5931				

* IN VITON REPLACE THE LAST 3 NUMBERS BY....50.2

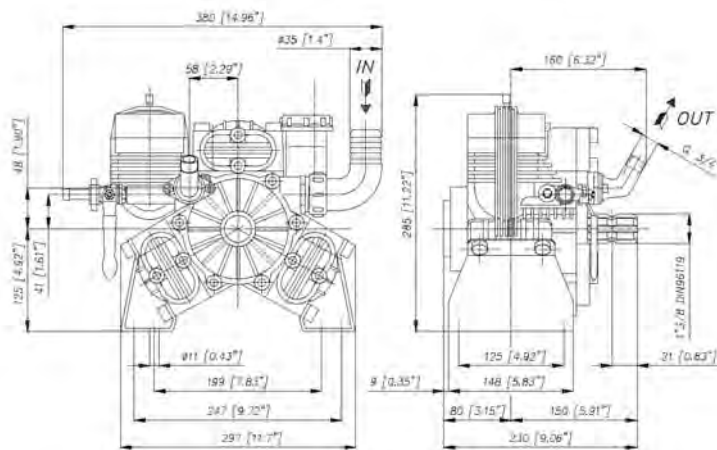
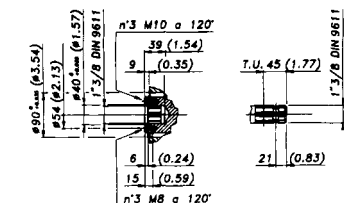
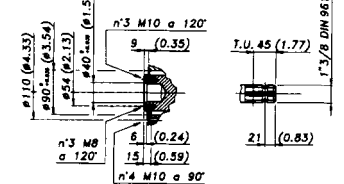
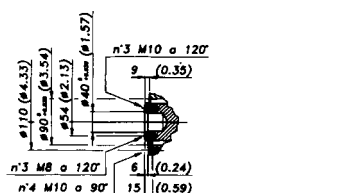
Δ IN VITON REPLACE THE LAST 3 NUMBERS BY....69.2

○ IN VITON REPLACE THE LAST 3 NUMBERS BY....85.2

**IDROMECCANICA®
BERTOLINI**



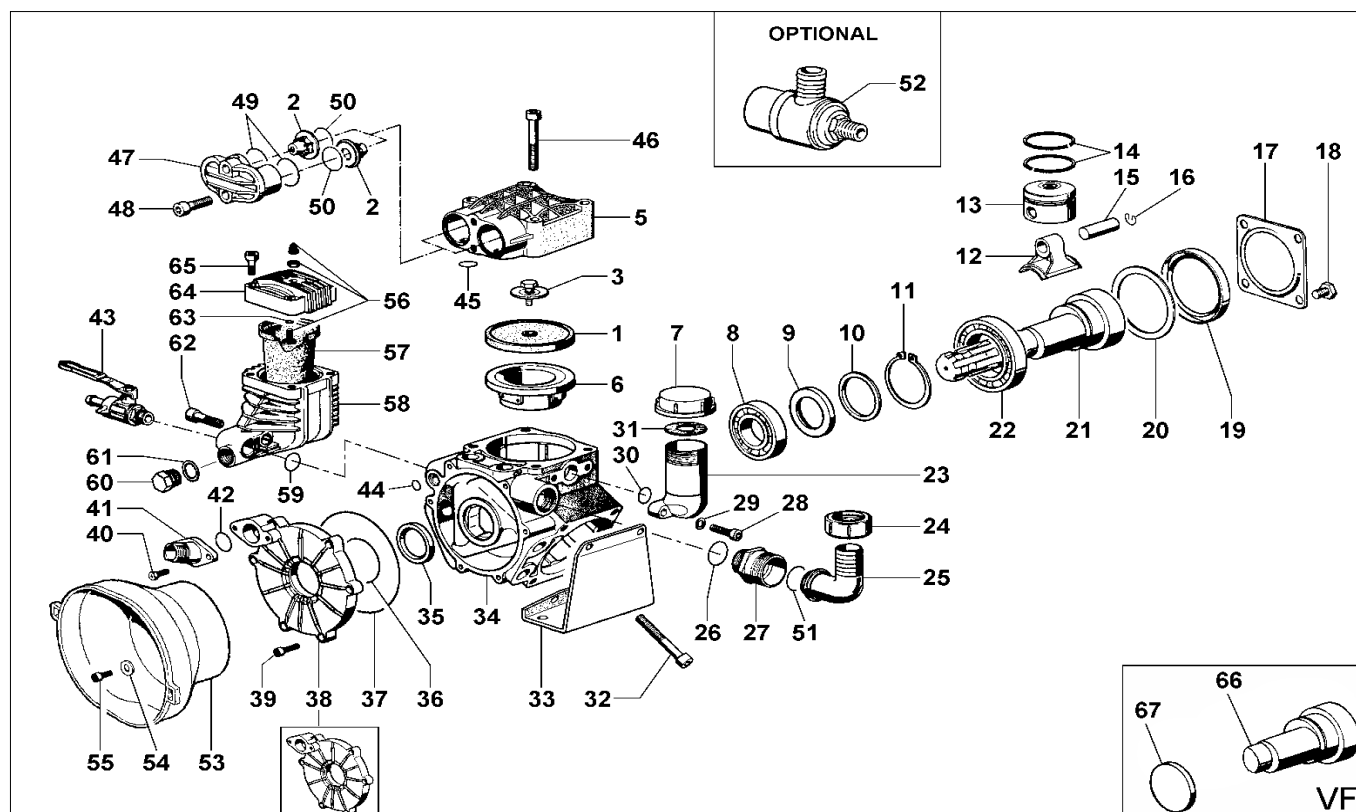
DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



CODICE CODE	Q.TY	N. POS.	PA 730.1	
			N.m	Lbr.ft
23.0055.97.3	3	3	12	8.9
86.2168.00.2	2	40	10	7.4
86.2216.00.2	6	39	10	7.4
86.2730.00.2	2	28	10	7.4
86.3185.00.2	4	18	22	16.2
86.3300.00.2	6	48	44	32.5
86.3575.00.2	4	46	44	32.5
86.3590.00.2	8	32	44	32.5
86.3985.00.2	1	62	68	50.2
TOLLERANZA DI SERRAGGIO:			0 → - 10%	
TOLERANCE ON TORQUE VALUE:			0 → - 10%	

KIT	CODICE PART NUMBER	23.9881.97.3								23.9829.97.3			23.9830.97.3			23.9874.97.3			23.9827.97.3								23.9876.97.3									
	DESCRIZIONE DESCRIPTION	KIT POMPA PUMP KIT								VAM VALVES ASSY			MEMBRANE BUNA - N DIAPHRAGMS			MEMBRANE DESMOPAN DIAPHRAGMS			MEMBRANE VITON DIAPHRAGMS								MEMBRANE PENTAX DIAPHRAGMS									
POSIZIONE ESPLOSO POSITION NUMBER		35	19	44	45	49	50	36	37	59	2	50	49	1	45	57	1	45	57	1	44	45	49	50	36	37	57	59	1	45	57					
QUANTITÀ NEL KIT QUANTITIES INCLUDED		1	1	1	6	6	6	1	1	1	6	6	6	3	6	1	3	6	1	3	1	6	6	6	1	1	1	1	1	3	6	1				

PA 730.1



NOMENCLATURA RICAMBI POMPE A MEMBRANA "PA 730.1"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	23.0011.31.2	3	MEMBRANA PISTONE BUNA-N	34	23.0001.09.2	1	CARTER
1	23.0011.33.2	3	MEMBRANA PISTONE VITON (OPT.)	35	80.2134.50.2	1	ANELLO RADIALE
1	23.0011.00.2	3	MEMBRANA PISTONE DESMOPAN (OPT.)	36	80.3209.80.2	1	ANELLO OR 2,62x50,47 Δ
2	23.9805.97.3	6	GR. VALVOLA A/M	37	80.3210.68.2	1	ANELLO OR 2,62x120,32 $\circ$
3	23.0055.97.3	3	KIT PIATTELLO INOX + VITE	38	23.0046.09.2	1	COPERCHIO CARTER
5	23.0052.09.2	3	TESTATA	38	23.0006.09.2	1	COPERCHIO CARTER fino al 6/99
6	23.0038.01.2	3	CAMICIA	39	86.2216.00.2	6	VITE TCEI M6x25 UNI5931
7	85.2750.00.2	1	TAPPO SERBATOIO OLIO	40	86.2168.00.2	2	VITE TCEI M6x22 UNI5931
8	81.2846.00.2	1	CUSCINETTO A SFERE	41	31.1096.09.2	1	RACCORDO G.3/4 CURVO
9	23.0019.76.2	1	ANELLO SERRAGGIO BIELLA	41	31.1445.09.2	1	RACCORDO 3/4" NPT CURVO (OPTIONAL)
10	26.0047.76.2	1	ANELLO SERRAGGIO BIELLA	41	31.8917.97.3	1	KIT MANDATA G. 3/4 ORIENTABILE
11	80.1377.00.2	1	ANELLO SEEGER D.55	41	31.8919.97.3	1	KIT MANDATA 3/4 NPT ORIENTABILE (OPTIONAL)
12	23.0005.09.2	3	BIELLA SINGOLA IN ALLUMINIO	42	80.3218.00.2	1	ANELLO OR 3,0x22
12	23.0045.11.2	3	BIELLA SINGOLA IN BRONZO (OPTIONAL)	43	84.5544.10.2	1	RUBINETTO A SFERA G.3/8
13	23.0040.09.2	3	PISTONE	44	80.3176.00.2	1	ANELLO OR 2,62x11,91 *
14	81.8514.00.2	6	FASCIA ELASTICA D.62	45	80.3189.00.2	6	ANELLO OR 2,62x18,72 *
15	85.2007.00.2	3	SPINOTTO D.15x54	46	86.3575.00.2	4	VITE TCEI M10x75 UNI5931
16	80.0021.00.2	6	ANELLO PER FORO D.15	47	23.0003.09.2	3	COPERCHIO VALVOLE
17	17.0013.61.2	1	COPERCHIO	48	86.3300.00.2	6	VITE TCEI M10x30 UNI5931
18	86.3185.00.2	4	VITE TE M10x16 UNI5739	49	80.3219.20.2	6	ANELLO OR 3,0x35 *
19	80.2264.10.2	1	ANELLO RADIALE	50	80.3207.00.2	6	ANELLO OR 2,62x29,82 *
20	17.0024.76.2	1	DISTANZIALE	51	80.3219.10.2	1	ANELLO OR 3,0x30
21	23.0023.26.2	1	ALBERO ECCENTRICO "VC"	52	24.3040.97.3	1	VALVOLA SICUREZZA 40 BAR (OPTIONAL)
21	23.0024.26.2	1	ALBERO ECCENTRICO "VM"	53	31.1467.32.2	1	CUFFIA DI PROTEZIONE (OPTIONAL)
22	81.2972.00.2	1	CUSCINETTO A SFERE	54	84.3618.00.2	3	ROSETTA D.6,6x18x2 (OPTIONAL)
23	23.0008.32.2	1	SERBATOIO OLIO	55	86.2086.00.2	3	VITE TCEI M6x14 UNI5931 (OPTIONAL)
24	82.0070.00.2	1	GALLETTO G.1"1/2	56	86.1608.50.2	1	VALVOLA ARIA COMPLETA
25	84.0570.00.2	1	RACCORDO CURVO D.35	57	23.0041.31.2	1	MEMBRANA ACCUMULATORE
25	84.0561.00.2	1	RACCORDO CURVO D.30 (OPTIONAL)	57	23.0041.33.2	1	MEMBRANA ACCUMULATORE VITON (OPT.)
25	84.0566.00.2	1	RACCORDO CURVO D.32 (OPTIONAL)	58	23.0039.09.2	1	CORPO ACCUMULATORE
25	84.0571.00.2	1	RACCORDO CURVO D.38 (OPTIONAL)	59	80.3182.00.2	1	ANELLO OR 2,62x17,13 *
25	84.0591.00.2	1	RACCORDO CURVO D.40 (OPTIONAL)	60	85.2579.00.2	1	TAPPO G.3/8
26	80.3207.00.2	1	ANELLO OR 2,62x29,82	61	82.4107.00.2	1	GUARNIZIONE D.16,5x23x1
27	83.5090.18.2	1	NIPPLO G.1 - G.1"1/2	62	86.3985.00.2	1	VITE TCEI M12x50 UNI5931
28	86.2730.00.2	2	VITE TCEI M8x30 UNI5931	63	80.3213.00.2	1	ANELLO OR 3,0x6
29	84.3685.00.2	2	ROSETTA D.8,4x15x1,5	64	11.0004.09.2	1	CALOTTA ACCUMULATORE
30	80.3180.00.2	1	ANELLO OR 2,62x15,08	65	86.2730.00.2	4	VITE TCEI M8x30 UNI5931
31	82.4120.00.2	1	GUARNIZIONE D.19x45x1,5	66	23.0028.26.2	1	ALBERO ECCENTRICO "VF"
32	86.3590.00.2	8	VITE TCEI M10x80 UNI5931	67	80.2099.50.2	1	CAPPELLOTTA "VF"
33	23.0033.61.2	2	PIEDE FISSAGGIO POMPA				

* IN VITON REPLACE THE LAST 3 NUMBERS BY....50.2

Δ IN VITON REPLACE THE LAST 3 NUMBERS BY....85.2

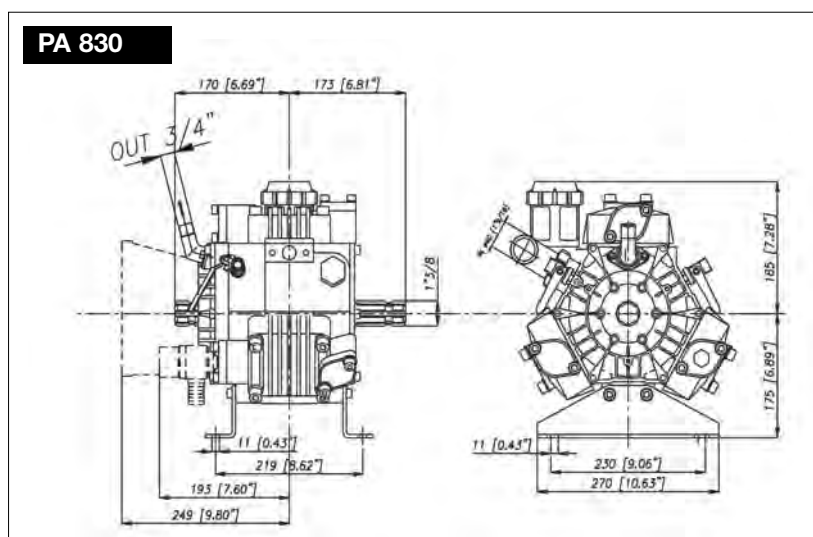
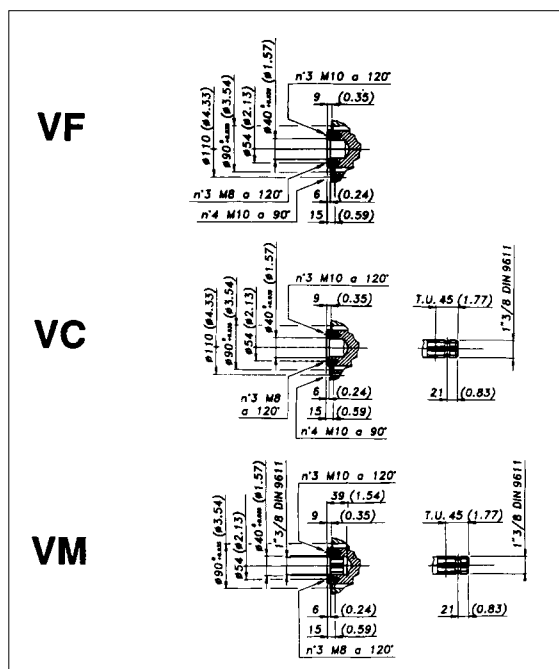
$\circ$ IN VITON REPLACE THE LAST 3 NUMBERS BY....69.2

PA 830



ALBERO POMPA - PUMP SHAFT

DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



Installazione e norme generali di sicurezza
Pag. 2

Installation and general safety information
Page 8

Istruzioni di manutenzione pompe a
membrana Pag. 5

Maintenance instructions for diaphragm
pumps Page 11

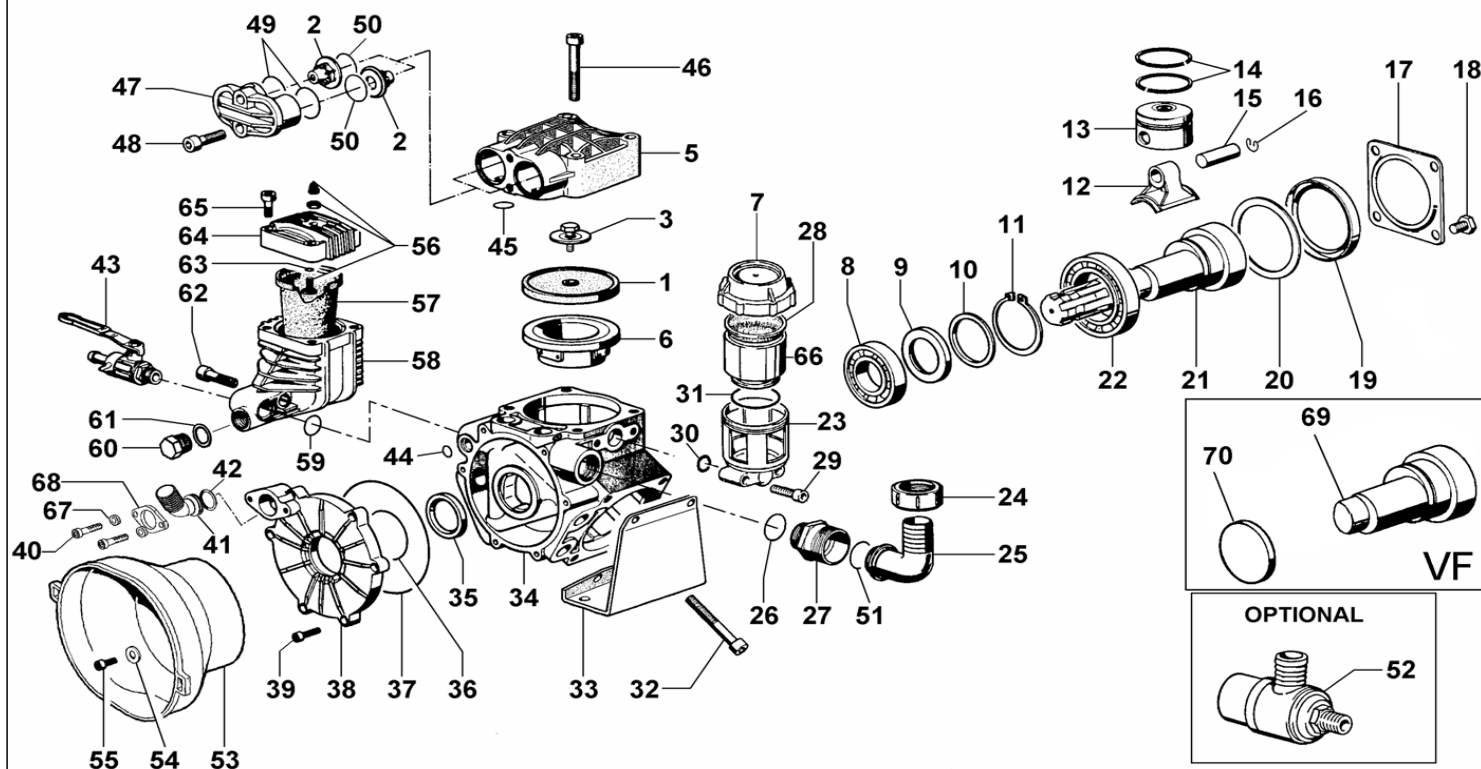
COPPIA DI SERRAGGIO - TORQUE CHART

CODICE CODE	Q.TY	N. POS.	PA 830	
			N.m	Lbr.ft
23.0063.97.3	3	3	12	8.9
86.2108.00.2	2	40	10	7.4
86.2216.00.2	6	39	10	7.4
86.2862.00.2	2	29	10	7.4
86.3185.00.2	4	18	22	16.2
86.3300.00.2	6	48	44	32.5
86.3575.00.2	4	46	44	32.5
86.3590.00.2	8	32	44	32.5
86.3985.00.2	1	62	68	50.2
TOLLERANZA DI SERRAGGIO:			0 → - 10%	
TOLERANCE ON TORQUE VALUE:			0 → - 10%	

KIT RICAMBI - SPARES KIT PA 830

KIT	CODICE PART NUMBER		23.9881.97.3	23.9829.97.3	23.9830.97.3	23.9874.97.3	23.9827.97.3	23.9876.97.3			
	DESCRIZIONE DESCRIPTION		KIT POMPA PUMP KIT	VAM VALVES ASSY	MEMBRANE BUNA - N DIAPHRAGMS	MEMBRANE DESMOPAN DIAPHRAGMS	MEMBRANE VITON DIAPHRAGMS	MEMBRANE PENTAX DIAPHRAGMS			
	POSIZIONE ESPLOSO POSITION NUMBER		35 19 44 45 49 50 36 37 59	2 50 49	1 45 57	1 45 57	1 44 45 49 50 36 37 57 59	1 45 57			
	QUANTITÀ NEL KIT QUANTITIES INCLUDED		1 1 1 6 6 6 1 1 1	6 6 6	3 6 1	3 6 1	3 1 6 6 6 1 1 1 1	3 6 1			

PA 830



NOMENCLATURA RICAMBI POMPE A MEMBRANA "PA 830"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	23.0011.31.2	3	MEMBRANA PISTONE BUNA-N	34	23.0001.09.2	1	CARTER
1	23.0011.33.2	3	MEMBRANA PISTONE VITON (OPT.)	35	80.2134.50.2	1	ANELLO RADIALE
1	23.0011.00.2	3	MEMBRANA PISTONE DESMOPAN (OPT.)	36	80.3209.80.2	1	ANELLO OR 2,62x50,47
2	23.9805.97.3	6	GR. VALVOLA A/M	37	80.3210.68.2	1	ANELLO OR 2,62x120,32
3	23.0063.97.3	3	KIT PIATTELLO INOX + VITE	38	23.0046.09.2	1	COPERCHIO CARTER
5	23.0052.09.2	3	TESTATA	39	86.2216.00.2	6	VITE TCEI M6x25 UNI5931
6	23.0059.01.2	3	CAMICIA D.65	40	86.2108.00.2	2	VITE TCEI M6x16 UNI5931
7	28.0144.32.2	1	TAPPO SERBATOIO OLIO	41	31.1516.09.2	1	RACCORDO ORIENTABILE G.3/4
8	81.2846.00.2	1	CUSCINETTO A SFERE	42	80.3218.00.2	1	ANELLO OR 3,0x22
9	23.0019.76.2	1	ANELLO SERRAGGIO BIELLA	43	84.5544.10.2	1	RUBINETTO A SFERA G.3/8
10	26.0047.76.2	1	ANELLO SERRAGGIO BIELLA	44	80.3176.00.2	1	ANELLO OR 2,62x11,91
11	80.1377.00.2	1	ANELLO SEEGER D.55	45	80.3189.00.2	6	ANELLO OR 2,62x18,72
12	23.0005.09.2	3	BIELLA IN ALLUMINIO	46	86.3575.00.2	4	VITE TCEI M10x75 UNI5931
12	23.0045.11.2	3	BIELLA IN BRONZO (OPTIONAL)	47	23.0003.09.2	3	COPERCHIO VALVOLE
13	23.0060.09.2	3	PISTONE D.65	48	86.3300.00.2	6	VITE TCEI M10x30 UNI5931
14	81.8519.00.2	6	FASCIA ELASTICA D.65	49	80.3219.20.2	6	ANELLO OR 3,0x35
15	85.2007.00.2	3	SPINOTTO D.15x54	50	80.3207.00.2	6	ANELLO OR 2,62x29,82
16	80.0021.00.2	6	ANELLO PER FORO D.15	51	80.3219.10.2	1	ANELLO OR 3,0x30
17	17.0013.61.2	1	COPERCHIO	52	24.3040.97.3	1	VALVOLA SICUREZZA 40 BAR (OPTIONAL)
18	86.3185.00.2	4	VITE TE M10x16 UNI5739	53	31.1467.32.2	1	CUFFIA DI PROTEZIONE (OPTIONAL)
19	80.2264.10.2	1	ANELLO RADIALE	54	84.3618.00.2	3	ROSETTA D.6,6x18x2 (OPTIONAL)
20	17.0024.76.2	1	DISTANZIALE	55	86.2086.00.2	3	VITE TCEI M6x14 UNI5931 (OPTIONAL)
21	23.0023.26.2	1	ALBERO ECCENTRICO "VC"	56	86.1608.50.2	1	VALVOLA ARIA COMPLETA
21	23.0024.26.2	1	ALBERO ECCENTRICO "VM"	57	23.0041.31.2	1	MEMBRANA ACCUMULATORE
22	81.2972.00.2	1	CUSCINETTO A SFERE	57	23.0041.33.2	1	MEMBRANA ACCUMULATORE VITON (OPT.)
23	35.0009.09.2	1	CORPO SERBATOIO OLIO	58	23.0039.09.2	1	CORPO ACCUMULATORE
24	82.0070.00.2	1	GALLETTO G.1"1/2	59	80.3182.00.2	1	ANELLO OR 2,62x17,13
25	84.0570.00.2	1	RACCORDO CURVO D.35	60	85.2579.00.2	1	TAPPO G.3/8
25	84.0561.00.2	1	RACCORDO CURVO D.30 (OPTIONAL)	61	82.4107.00.2	1	GUARNIZIONE D.16,5x23x1
25	84.0566.00.2	1	RACCORDO CURVO D.32 (OPTIONAL)	62	86.3985.00.2	1	VITE TCEI M12x50 UNI5931
25	84.0571.00.2	1	RACCORDO CURVO D.38 (OPTIONAL)	63	80.3213.00.2	1	ANELLO OR 3,0x6
25	84.0591.00.2	1	RACCORDO CURVO D.40 (OPTIONAL)	64	11.0004.09.2	1	CALOTTA ACCUMULATORE
26	80.3207.00.2	1	ANELLO OR 2,62x29,82	65	86.2730.00.2	4	VITE TCEI M8x30 UNI5931
27	83.5090.18.2	1	NIPPLO G.1" - G.1"1/2	66	41.0016.32.2	1	SERBATOIO OLIO
28	41.0017.31.2	1	MEMBRANA SERBATOIO OLIO	67	84.3585.00.2	2	ROSETTA D.6 UNI6592
29	86.2862.00.2	2	VITE TBCE M8x45	68	31.1517.61.2	1	FLANGIA BLOCC. RACCORDO ORIENTABILE
30	80.3195.00.2	1	ANELLO OR 2,62x20,24	69	23.0028.26.2	1	ALBERO ECCENTRICO "VF"
31	80.3209.40.2	1	ANELLO OR 2,62x44,12	70	80.2099.50.2	1	CAPPELLOTTA "VF"
32	86.3590.00.2	8	VITE TCEI M10x80 UNI5931				
33	23.0033.61.2	2	PIEDE FISSAGGIO POMPA				

* IN VITON REPLACE THE LAST 3 NUMBERS BY....50.2

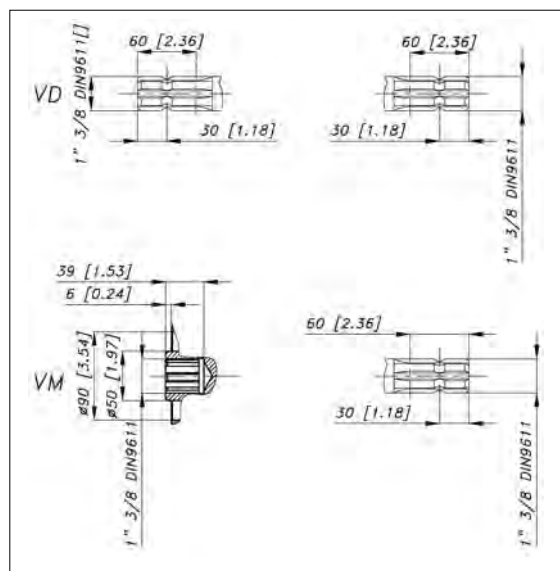
Δ IN VITON REPLACE THE LAST 3 NUMBERS BY....85.2

○ IN VITON REPLACE THE LAST 3 NUMBERS BY....69.2

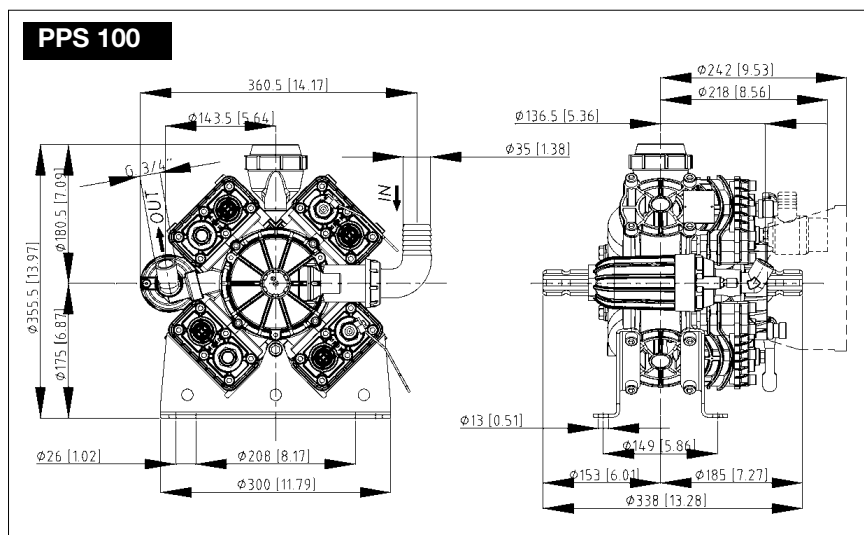
PPS 100



ALBERO POMPA - PUMP SHAFT



DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



Installazione e norme generali di sicurezza
Pag. 2

Installation and general safety information
Page 8

Istruzioni di manutenzione pompe a
membrana Pag. 5

Maintenance instructions for diaphragm
pumps Page 11

COPPIA DI SERRAGGIO - TORQUE CHART

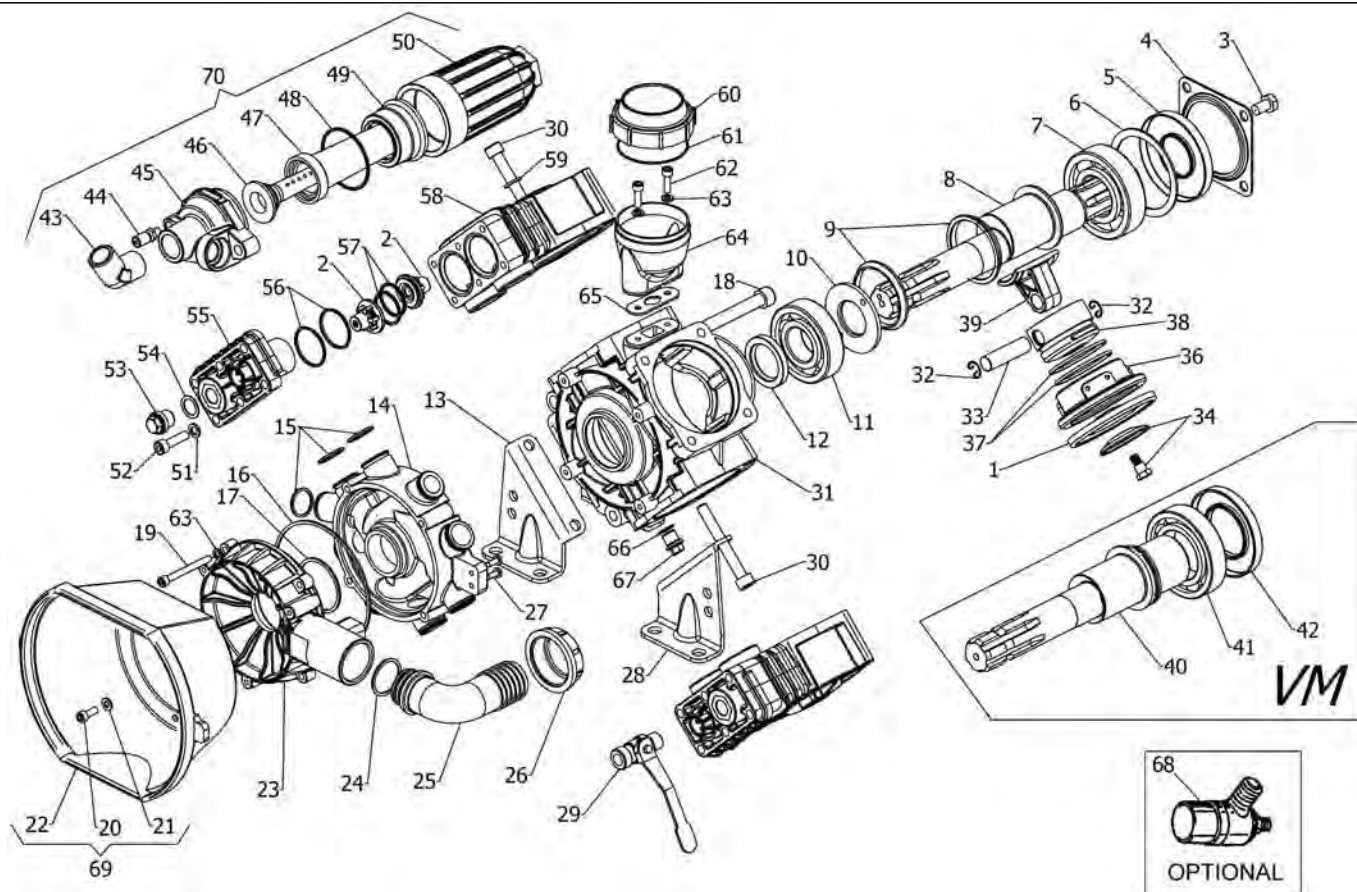
CODICE CODE	Q.TY	N. POS.	PPS 100	
			N.m	Lbr.ft
86.3187.00.2	4	3	22	16.2
86.4120.00.2	1	18	44	32.4
86.2415.50.2	4	19	10	7.4
82.0070.00.2	1	26	10	7.4
86.1843.00.2	2	27	5	3.7
86.3590.00.2	16	30	44 (*)	32.4 (*)
23.0055.97.3	4	34	12 (*)	8.9 (*)
86.1605.00.2	1	44	5	3.7
36.0011.09.2	1	50	44	32.4
86.2730.00.2	24	52	22	16.2
85.2579.00.2	2	53	44	32.4
86.2166.00.2	2	62	5	3.7
85.2543.50.2	1	67	22	16.2

TOLLERANZA DI SERRAGGIO: 0 → - 10%
TOLERANCE ON TORQUE VALUE: 0 → - 10%

KIT RICAMBI - SPARES KIT PPS 100

KIT	CODICE PART NUMBER	36.9802.97.3								36.9809.97.3								36.9803.97.3			36.9804.97.3				36.9805.97.3				36.9806.97.3								36.9808.97.3				
	DESCRIZIONE DESCRIPTION	KIT POMPE VD PUMP KIT VD								KIT POMPE VM PUMP KIT VM								KIT VAM VALVES ASSY			KIT MEMBER BUNA - N DIAPHRAGMS				KIT MEMBER DESMOPAN DIAPHRAGMS				KIT MEMBER VITON DIAPHRAGMS								KIT MEMBER PENTAX DIAPHRAGMS				
POSIZIONE ESPLOSO POSITION NUMBER		5	12	15	16	17	48	56	57	42	12	15	16	17	48	56	57	2	56	57	1	15	47	48	1	15	47	48	1	15	16	17	47	48	56	57	1	15	47	48	
QUANTITÀ NEL KIT QUANTITIES INCLUDED		1	1	9	1	1	1	8	8	1	1	9	1	1	1	8	8	8	8	8	8	4	8	1	1	4	8	1	1	4	9	1	1	1	1	8	8	4	8	1	1

PPS 100



NOMENCLATURA RICAMBI POMPE A MEMBRANA "PPS 100"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	23.0011.31.2	4	MEMBRANA PISTONE BUNA-N	40	36.0020.26.2	1	ALBERO VERS. "VM"
1	23.0011.33.2	4	MEMBRANA PISTONE VITON (OPT.)	41	81.2969.00.2	1	CUSCINETTO A SFERE 6210
1	23.0011.00.2	4	MEMBRANA PISTONE DESMOPAN (OPT.)	42	80.2236.00.2	1	ANELLO RAD. 50X90X10
2	23.9805.97.3	8	VALVOLA ASPIRAZIONE MANDATA	43	83.5063.00.2	1	RACCORDO A 60° G.3/4 M/M
3	86.3187.00.2	4	VITE TCEI M10X16 UNI5739	44	86.1605.00.2	1	VALVOLA ARIA
4	17.0013.61.2	1	COPERCHIO	45	36.0010.28.2	1	BASE ACCUMULATORE
5	80.2190.10.2	1	ANELLO RADIALE 40X90X10	46	36.0013.32.2	1	TUBO INTERNO ACCUMULATORE
6	17.0024.76.2	1	DISTANZIALE ANELLO DI TENUTA	47	36.0007.31.2	1	MEMBRANA ACCUMULATORE
7	81.2913.00.2	1	CUSCINETTO A SFERE 6308	48	80.3210.00.2	1	ANELLO OR 2,62X56,82
8	36.0017.26.2	1	ALBERO VERS. "VD"	49	36.0014.09.2	1	DISTANZIALE MEMBRANA ACCUMULATORE
9	98.0047.76.2	2	ANELLO BIELLE	50	36.0011.09.2	1	ACCUMULATORE SUPERIORE
10	36.0019.61.2	1	ANELLO SPALLAMENTO BIELLE	51	84.3685.00.2	24	ROSETTA 8,2X15X1,5 UNI1750
11	81.2867.00.2	1	CUSCINETTO A SFERE 6307	52	86.2730.00.2	24	VITE TCEI M8X30 UNI5931
12	80.2143.10.2	1	ANELLO RADIALE 35X52X7	53	85.2579.00.2	2	TAPPO G.3/8
13	36.0021.61.2	2	PIEDINO SX	54	80.3065.00.2	2	ANELLO OR D.1.78X14
14	36.0008.32.2	1	COLLETTORE	55	36.0003.32.2	4	COPERCHIO VALVOLE
15	80.3204.00.2	9	ANELLO OR 2,62X23,81	56	80.3208.30.2	8	ANELLO OR D.2,62X36,14
16	80.3291.25.2	1	ANELLO OR 3,53X123,4	57	80.3207.00.2	8	ANELLO OR 2,62X29,82
17	80.3270.00.2	1	ANELLO OR 3,53X49,2	58	36.0002.09.2	4	TESTATA RIVESTITA
18	86.4120.00.2	1	VITE TCEI M12X110 UNI5931	59	84.3801.00.2	8	ROSETTA 10,5X18X2 UNI1750
19	86.2415.50.2	4	VITE TCEI M6X60 UNI5931	60	28.0144.32.2	1	COPERCHIO SERBATOIO
20	86.1846.00.2	3	VITE TCTC 5,5x16 (OPTIONAL)	61	80.3109.20.2	1	ANELLO OR D.1,8X67
21	84.3560.00.2	3	ROSETTA D.5,5x15 (OPTIONAL)	62	86.2166.00.2	2	VITE TCEI M6X20 UNI5931
22	31.1466.32.2	1	CUFFIA DI PROTEZIONE (OPTIONAL)	63	84.3585.00.2	6	ROSETTA D.6 UNI6592
23	36.0009.32.2	1	COPERCHIO COLLETTORE	64	14.0012.32.2	1	SERBATOIO OLIO
24	80.3219.10.2	1	ANELLO OR 3.0X30	65	14.0017.72.2	1	GUARNIZIONE SERBATOIO OLIO
25	84.0591.00.2	1	RACCORDO A 90° D.40	66	82.4079.00.2	1	GUARNIZIONE D.13,2X17X1
26	82.0070.00.2	1	GALLETTO G.1"1/2	67	85.2543.50.2	1	TAPPO G.1/4X9
27	86.1843.00.2	2	VITE AUTOF. D.4.8X16	68	24.3040.97.3	1	VALVOLA DI SICUREZZA 40 BAR(OPTIONAL)
28	36.0022.61.2	2	PIEDINO DX	69	36.9814.97.3	1	KIT CUFFIA DI PROTEZIONE
29	84.5544.10.2	2	RUBINETTO SX.	70	36.9810.97.3	1	KIT GRUPPO ACCUMULATORE
30	86.3590.00.2	16	VITE TCEI M10X80 UNI5931				
31	36.0001.09.2	1	CARTER				
32	80.0021.00.2	8	ANELLO PER FORO				
33	85.2007.00.2	4	SPINOTTO 15 X 54				
34	23.0055.97.3	4	KIT PIATTELLO INOX + VITE				
36	23.0038.01.2	4	CAMICIA IN GHISA D.62				
37	81.8514.00.2	8	FASCIA ELASTICA D.62X2,5				
38	23.0040.09.2	4	PISTONE D.62				
39	36.0015.11.2	4	BIELLA SINGOLA BRONZO				

* IN VITON REPLACE THE LAST 3 NUMBERS BY...50.2

Δ IN VITON REPLACE THE LAST 3 NUMBERS BY...30.2

○ IN VITON REPLACE THE LAST 3 NUMBERS BY...10.2

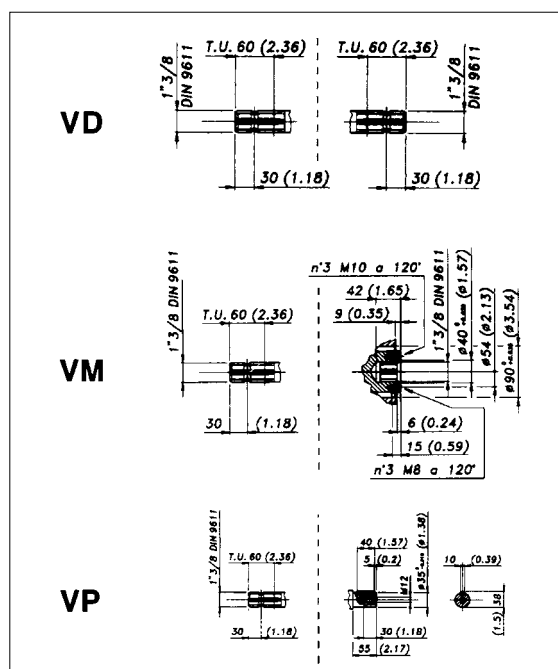
■ IN VITON REPLACE THE LAST 3 NUMBERS BY...60.2

◎ IN VITON REPLACE THE LAST 3 NUMBERS BY...33.2

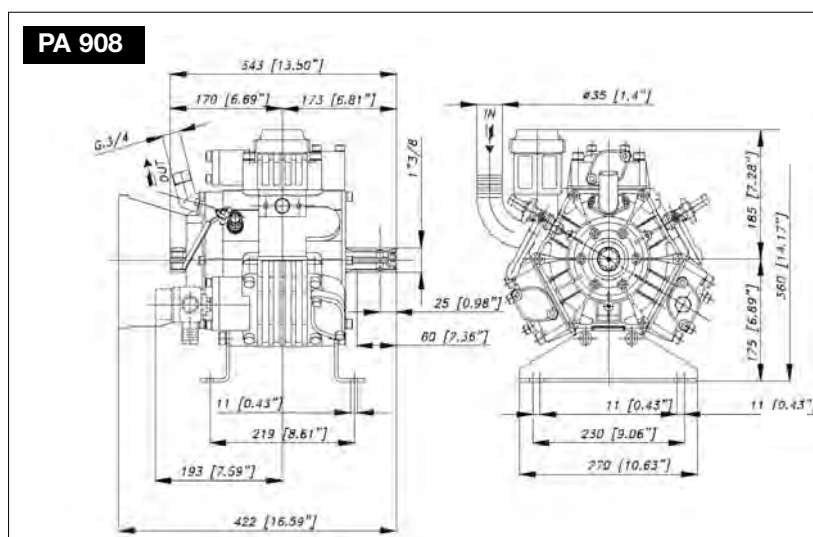
PA 908



ALBERO POMPA - PUMP SHAFT



DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



COPPIA DI SERRAGGIO - TORQUE CHART

CODICE CODE	Q.TY	N. POS.	PA 908	
			N.m	Lbr.ft
86.3265.00.2	12	63	44	32.5
86.3990.00.2	12	70	98	72.3
86.2682.00.2	6	14	22	16.2
86.2852.00.2	2	6	22	16.2
41.9835.97.3	3	31	25	18.5
86.3230.00.2	3	31	25	18.5
86.2010.00.2	3	55	10 (LOCTITE 242)	7.4 (LOCTITE 242)
86.2752.00.2	6	46	22	16.2
86.2190.00.2	2	49	10	7.4
86.3745.00.2	4	40	98 (LOCTITE 242)	72.3 (LOCTITE 242)

TOLLERANZA DI SERRAGGIO: 0 → - 10%
TOLERANCE ON TORQUE VALUE: 0 → - 10%

Installazione e norme generali di sicurezza
Pag. 2

Installation and general safety information
Page 8

Istruzioni di manutenzione pompe a
membrana Pag. 5

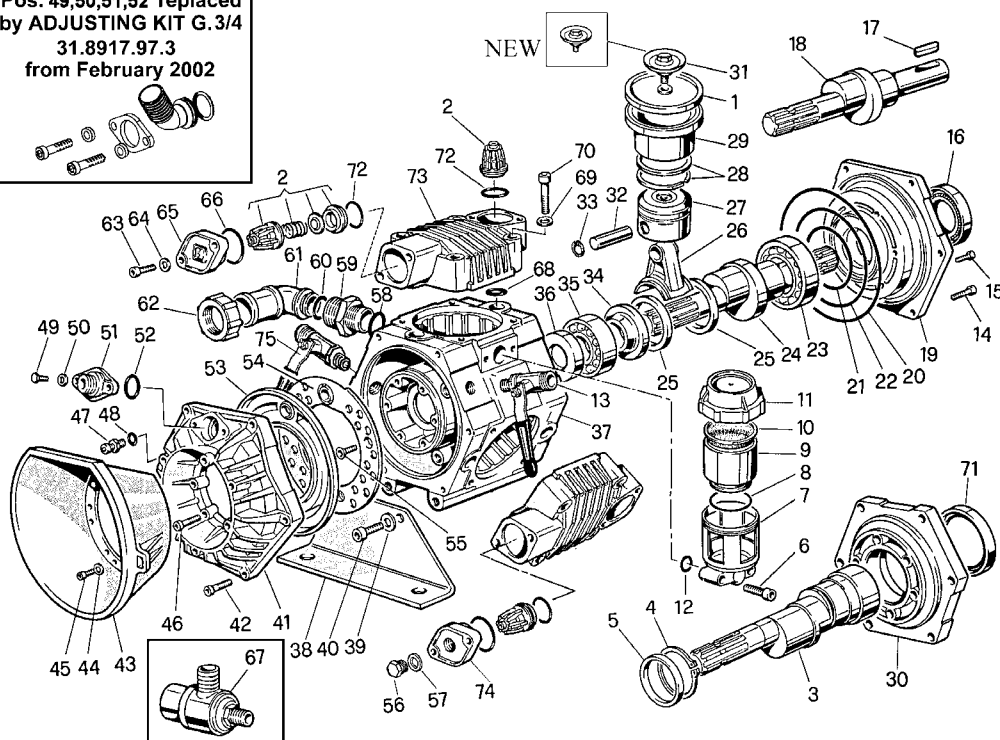
Maintenance instructions for diaphragm
pumps Page 11

KIT RICAMBI - SPARES KIT PA 908

KIT	CODICE PART NUMBER		35.9880.97.3	35.9881.97.3	35.9870.97.3	35.9871.97.3	35.9873.97.3	35.9826.97.3	35.9868.97.3	
	DESCRIZIONE DESCRIPTION		KIT POMPA VD-VP PUMP KIT VD-VP	KIT POMPA VC-VM PUMP KIT VC-VM	VAM VALVES ASSY	MEMBRANE BUNA - N DIAPHRAGMS	MEMBRANE DESMOPAN DIAPHRAGMS	MEMBRANE VITON DIAPHRAGMS	MEMBRANE PENTAX DIAPHRAGMS	
	POSIZIONE ESPLOSO POSITION NUMBER		36 16 68 20 21 22 66 72	36 71 68 20 21 22 66 72	2 66 72	1 53 68	1 53 68	53 68 20 22 1 66 72	1 53 68	
	QUANTITÀ NEL KIT QUANTITIES INCLUDED		1 1 6 1 1 1 6 6	1 1 6 1 1 1 6 6	6 6 6	3 1 6	3 1 6	1 6 1 1 3 6 6	3 1 6	

PA 908

Pos. 49,50,51,52 replaced
by ADJUSTING KIT G.3/4
31.8917.97.3
from February 2002



NOMENCLATURA RICAMBI POMPE A MEMBRANA "PA 908"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	95.0040.31.2	3	MEMBRANA PISTONE BUNA-N	42	86.2752.00.2	6	VITE TCEI M8x35 UNI5931
1	95.0040.33.2	3	MEMBRANA PISTONE VITON (OPT.)	43	31.1466.32.2	1	CUFFIA DI PROTEZIONE (OPTIONAL)
1	95.0040.00.2	3	MEMBRANA PISTONE DESMOPAN (OPT.)	44	84.3618.00.2	3	ROSETTA D.6,6x18x2 (OPTIONAL)
2	35.9802.97.3	6	GR.VALVOLA A/M	45	86.2108.00.2	3	VITE TCEI M6x16 UNI5931 (OPTIONAL)
3	35.0036.26.2	1	ALBERO ECCENTRICO "VM"	46	86.2752.00.2	6	VITE TCEI M8x35 UNI5931
4	80.1377.00.2	1	ANELLO D.55 PER ALBERO "VM"	47	86.1609.00.2	1	VALVOLA ARIA
5	35.0038.76.2	1	DISTANZIALE BIELLA "VM"	48	80.3213.00.2	1	ANELLO OR 3,0x6
6	86.2852.00.2	2	VITE TCEI M8x45 UNI5931	49	86.2190.00.2	2	VITE TE M6x22 UNI5739
7	35.0009.09.2	1	CORPO SERBATOIO OLIO	50	84.3585.00.2	2	ROSETTA D.6,4x12,5x1,6
8	80.3209.40.2	1	ANELLO OR 2,62x44,12	51	31.0334.28.2	1	RACCORDO G.3/4
9	41.0016.32.2	1	SERBATOIO OLIO	51	31.1244.28.2	1	RACCORDO 3/4" NPT (OPTIONAL)
10	41.0017.31.2	1	MEMBRANA SERBATOIO OLIO	51	31.8917.97.3	1	KIT MANDATA G. 3/4 ORIENTABILE
11	28.0144.32.2	1	COPERCHIO SERBATOIO	51	31.8919.97.3	1	KIT MANDATA 3/4" NPT ORIENTABILE (OPTIONAL)
12	80.3195.00.2	1	ANELLO OR 2,62x20,24	52	80.3218.00.2	1	ANELLO OR 3,0x22
13	84.5544.00.2	1	RUBINETTO A SFERA G.3/8 DX	53	35.0040.31.2	1	MEMBRANA ACCUMULATORE
14	86.2682.00.2	6	VITE TCEI M8x25 UNI5931	53	35.0040.33.2	1	MEMBRANA ACCUMULATORE VITON (OPT.)
15	86.2752.00.2	6	VITE TCEI M8x35 UNI5931	54	35.0003.08.2	1	SEMIACCUMULATORE
16	80.2250.10.2	1	ANELLO RADIALE "VD" - "VP"	55	86.2010.00.2	3	VITE TSPEI M6x10 UNI5933 INOX
17	80.6579.00.2	1	LINGUETTA 10x8x40 "VP"	56	85.2579.00.2	1	TAPPO G.3/8
18	37.0020.26.2	1	ALBERO ECCENTRICO "VP"	57	82.4107.00.2	1	GUARNIZIONE D.16,5x23x1
19	35.0007.09.2	1	COPERCHIO ASPIRAZIONE "VD" - "VP"	58	80.3209.00.2	1	ANELLO OR 2,62x39,34
20	80.3291.50.2	1	ANELLO OR 3,53x177,39	59	83.5090.35.2	1	NIPPLO G.1"1/4 - G.1"1/2
21	80.3291.00.2	1	ANELLO OR 3,53x88,5	60	80.3219.10.2	1	ANELLO OR 3,0x30
22	80.3210.70.2	1	ANELLO OR 2,62x126,67	61	84.0570.00.2	1	RACCORDO CURVO D.35
23	81.2973.00.2	1	CUSCINETTO SFERE	61	84.0561.00.2	1	RACCORDO CURVO D.30 (OPTIONAL)
24	35.0031.26.2	1	ALBERO ECCENTRICO "VD"	61	84.0566.00.2	1	RACCORDO CURVO D.32 (OPTIONAL)
25	98.0047.76.2	2	ANELLO BIELLE	61	84.0571.00.2	1	RACCORDO CURVO D.38 (OPTIONAL)
26	35.0011.09.2	3	BIELLA SINGOLA IN ALLUMINIO	61	84.0591.00.2	1	RACCORDO CURVO D.40 (OPTIONAL)
26	35.0047.11.2	3	BIELLA SINGOLA IN BRONZO (OPTIONAL)	62	82.0070.00.2	1	GALLETTO G.1"1/2
27	37.0016.09.2	3	PISTONE	63	86.3265.00.2	12	VITE TCEI M10x25 UNI5931
28	81.8527.00.2	6	FASCIA ELASTICA D.70	64	84.3870.00.2	12	ROSETTA SCHNORR D.10,5
29	37.0015.01.2	3	CAMICIA	65	35.0008.09.2	6	COPERCHIO VALVOLE
30	35.0037.09.2	1	COPERCHIO ASPIRAZIONE "VM"	66	80.3262.00.2	6	ANELLO OR 3,53x41,28 *
31	41.9835.97.3	3	KIT VITE + PIATTELLO INOX	67	24.3050.97.3	1	VALVOLA SICUREZZA 50 BAR (OPTIONAL)
31	86.3230.00.2	3	VITE fino al 03/98	68	80.3200.00.2	6	ANELLO OR 2,62x22,22 *
31	37.0017.32.2	3	PIATTELLO fino al 03/98	69	84.3896.00.2	12	ROSETTA SCHNORR D.13
32	85.2007.00.2	3	SPINOTTO D.15x54	70	86.3990.00.2	12	VITE TCEI M12x60 UNI5931
33	80.0021.00.2	6	ANELLO D.15 PER FORO	71	80.2264.10.2	1	ANELLO RADIALE "VM"
34	28.0027.09.2	1	DISTANZIALE ALBERO ECCENTRICO	72	80.3251.00.2	6	ANELLO OR 3,53x32,93 *
35	81.2867.00.2	1	CUSCINETTO SFERE	73	35.0002.09.2	3	TESTATA POMPA
36	80.2143.10.2	1	ANELLO RADIALE	74	37.0025.09.2	1	COPERCHIO VALVOLE FORO 3/8
37	37.0001.09.2	1	CARTER POMPA	75	84.5544.10.2	1	RUBINETTO A SFERA G. 3/8 SX
38	27.0021.61.2	2	PIEDINO POMPA				
39	84.3908.00.2	4	ROSETTA D.13x24x2,5				
40	86.3745.00.2	4	VITE TCEI M12x35 UNI5931				
41	35.0004.09.2	1	COPERCHIO MANDATA				

* IN VITON REPLACE THE LAST 3 NUMBERS BY...50.2

Δ IN VITON REPLACE THE LAST 3 NUMBERS BY...75.2

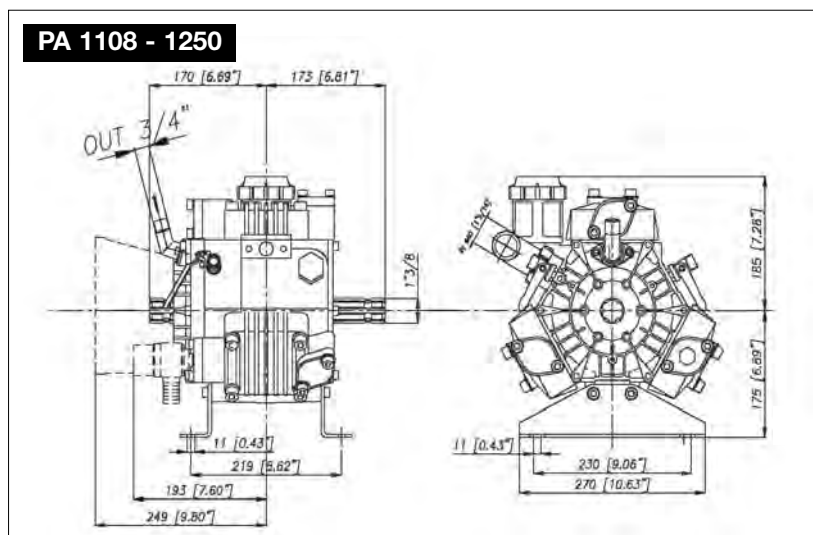
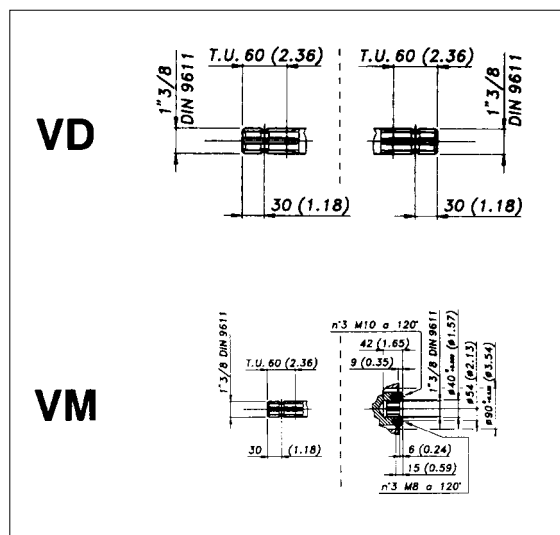
○ IN VITON REPLACE THE LAST 3 NUMBERS BY...60.2

PA 1108 - 1250



ALBERO POMPA - PUMP SHAFT

DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



Installazione e norme generali di sicurezza
Pag. 2

Installation and general safety information
Page 8

Istruzioni di manutenzione pompe a
membrana Pag. 5

Maintenance instructions for diaphragm
pumps Page 11

COPPIA DI SERRAGGIO - TORQUE CHART

CODICE CODE	Q.TY	N. POS.	PA 1108 - 1250	
			N.m	Lbr.ft
86.3265.00.2	12	63	44	32.5
86.3990.00.2	12	70	98	72.3
86.2682.00.2	6	14	22	16.2
86.2852.00.2	2	6	22	16.2
41.9835.97.3	3	31	25	18.5
86.3230.00.2	3	31	25	18.5
86.2010.00.2	3	55	10 (LOCTITE 242)	7.4 (LOCTITE 242)
86.2752.00.2	6	46	22	16.2
86.2190.00.2	2	49	10	7.4
86.3745.00.2	4	40	98 (LOCTITE 242)	72.3 (LOCTITE 242)

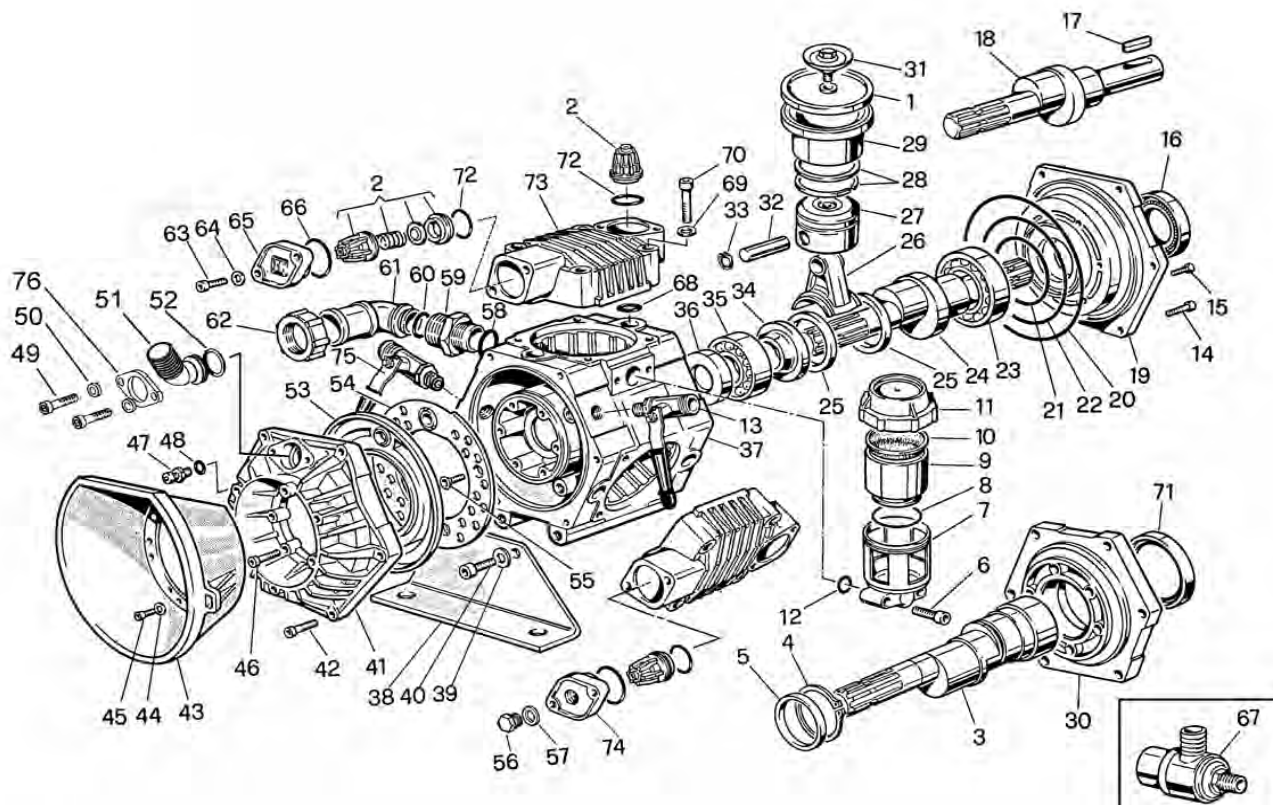
TOLLERANZA DI SERRAGGIO: 0 → - 10%

TOLERANCE ON TORQUE VALUE: 0 → - 10%

KIT RICAMBI - SPARES KIT PA 1108 - 1250

KIT	CODICE PART NUMBER		35.9880.97.3	35.9881.97.3	35.9870.97.3	35.9871.97.3	35.9873.97.3	35.9826.97.3	35.9868.97.3	
	DESCRIZIONE DESCRIPTION		KIT POMPA VD-VP PUMP KIT VD-VP	KIT POMPA VC-VM PUMP KIT VC-VM	VAM VALVES ASSY	MEMBRANE BUNA - N DIAPHRAGMS	MEMBRANE DESMOPAN DIAPHRAGMS	MEMBRANE VITON DIAPHRAGMS	MEMBRANE PENTAX DIAPHRAGMS	
	POSIZIONE ESPLOSO POSITION NUMBER		36 16 68 20 21 22 66 72	36 71 68 20 21 22 66 72	2 66 72	1 53 68	1 53 68	53 68 20 22 1 66 72	1 53 68	
	QUANTITÀ NEL KIT QUANTITIES INCLUDED		1 1 6 1 1 1 6 6	1 1 6 1 1 1 6 6	6 6 6	3 1 6	3 1 6	1 6 1 1 3 6 6	3 1 6	

PA 1108 - 1250



NOMENCLATURA RICAMBI POMPE A MEMBRANA "PA 1108 - 1250"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	95.0040.31.2	3	MEMBRANA PISTONE	38	27.0021.61.2	2	PIEDINO POMPA
1	95.0040.33.2	3	MEMBRANA PISTONE VITON	39	84.3908.00.2	4	ROSETTA D.13x24x2,5
1	95.0040.00.2	3	MEMBRANA PISTONE DESMOPAN	40	86.3745.00.2	4	VITE TCEI M12x35 UNI5931
1	95.0040.36.2	3	MEMBRANA PISTONE HPS	41	35.0004.09.2	1	COPERCHIO MANDATA
2	35.9802.97.3	6	GR.VALVOLA A/M	42	86.2752.00.2	6	VITE TCEI M8x35 UNI5931
3	37.0022.26.2	1	ALBERO ECCENTRICO "VM"	43	31.1466.32.2	1	CUFFIA DI PROTEZIONE (OPTIONAL)
4	80.1377.00.2	1	ANELLO D.55 PER ALBERO "VM"	44	84.3618.00.2	3	ROSETTA D.6,6x18x2 (OPTIONAL)
5	35.0038.76.2	1	DISTANZIALE BIELLA "VM"	45	86.2108.00.2	3	VITE TCEI M6x16 UNI5931 (OPTIONAL)
6	86.2852.00.2	2	VITE TCEI M8x45 UNI5931	46	86.2752.00.2	6	VITE TCEI M8x35 UNI5931
7	35.0009.09.2	1	CORPO SERBATOIO OLIO	47	86.1609.00.2	1	VALVOLA ARIA
8	80.3209.40.2	1	ANELLO OR 2,62x44,12	48	80.3213.00.2	1	ANELLO OR 3,0x6
9	41.0016.32.2	1	SERBATOIO OLIO	49	86.2190.00.2	2	VITE TE M6x22 UNI5739
10	41.0017.31.2	1	MEMBRANA SERBATOIO OLIO	50	84.3585.00.2	2	ROSETTA D.6,4x12,5x1,6
11	28.0144.32.2	1	COPERCHIO SERBATOIO	51	31.1516.09.2	1	RACCORDO ORIENT. G.3/4
12	80.3195.00.2	1	ANELLO OR 2,62x20,24	52	80.3218.00.2	1	ANELLO OR 3,0x22
13	84.5544.00.2	1	RUBINETTO A SFERA G.3/8 DX	53	35.0040.31.2	1	MEMBRANA ACCUMULATORE
14	86.2682.00.2	6	VITE TCEI M8x25 UNI5931	53	35.0040.33.2	1	MEMBRANA ACCUMULATORE VITON
15	86.2752.00.2	6	VITE TCEI M8x35 UNI5931	53	35.0040.36.2	1	MEMBRANA ACCUMULATORE HPS
16	80.2250.10.2	1	ANELLO RADIALE "VD"	54	35.0003.08.2	1	SEMIACCUMULATORE
19	35.0007.09.2	1	COPERCHIO ASPIRAZIONE "VD"	55	86.2010.00.2	3	VITE TSPEI M6x10 UNI5933 INOX
20	80.3291.50.2	1	ANELLO OR 3,53x177,39	56	85.2579.00.2	1	TAPPO G.3/8
21	80.3291.00.2	1	ANELLO OR 3,53x88,5	57	82.4107.00.2	1	GUARNIZIONE D.16,5x23x1
22	80.3210.70.2	1	ANELLO OR 2,62x126,67	58	80.3209.00.2	1	ANELLO OR 2,62x39,34
23	81.2973.00.2	1	CUSCINETTO SFERE	59	83.5090.35.2	1	NIPPLO G.1"1/4-G.1"1/2
24	37.0021.26.2	1	ALBERO ECCENTRICO "VD"	60	80.3219.10.2	1	ANELLO OR 3,0x30
25	98.0047.76.2	2	ANELLO BIELLE	61	84.0591.00.2	1	RACCORDO CURVO D.40
26	35.0011.09.2	3	BIELLA SINGOLA IN ALLUMINIO	61	84.0570.00.2	1	RACCORDO CURVO D.35 (OPTIONAL)
26	35.0047.11.2	3	BIELLA SINGOLA IN BRONZO (OPTIONAL)	61	84.0571.00.2	1	RACCORDO CURVO D.38 (OPTIONAL)
27	37.0016.09.2	3	PISTONE D.70 (PA 1108)	62	82.0070.00.2	1	GALLETTO G.1"1/2
27	48.0028.09.2	3	PISTONE D.72 (PA 1250)	63	86.3265.00.2	12	VITE TCEI M10x25 UNI5931
28	81.8527.00.2	6	FASCIA ELASTICA D.70 (PA 1108)	64	84.3870.00.2	12	ROSETTA SCHNORR D.10,5
28	81.8530.00.2	6	FASCIA ELASTICA D.72 (PA 1250)	65	35.0008.09.2	5	COPERCHIO VALVOLE
29	43.0015.01.2	3	CAMICIA D.70 (PA 1108)	66	80.3262.00.2	6	ANELLO OR 3,53x41,28
29	48.0029.01.2	3	CAMICIA D.72 (PA 1250)	67	24.3050.97.3	1	VALVOLA SICUREZZA 50 BAR (OPTIONAL)
30	35.0037.09.2	1	COPERCHIO ASPIRAZIONE "VM"	68	80.3200.00.2	6	ANELLO OR 2,62x22,22
31	41.9835.97.3	3	KIT VITE + PIATTELLO INOX	69	84.3896.00.2	12	ROSETTA SCHNORR D.13
31	86.3230.00.2	3	VITE fino al 03/98	70	86.3990.00.2	12	VITE TCEI M12x60 UNI5931
31	37.0017.32.2	3	PIATTELLO fino al 03/98	71	80.2264.10.2	1	ANELLO RADIALE "VM"
32	85.2007.00.2	3	SPINOTTO D.15x54	72	80.3251.00.2	6	ANELLO OR 3,53x32,93
33	80.0021.00.2	6	ANELLO D.15 PER FORO	73	35.0002.09.2	3	TESTATA POMPA
34	28.0027.09.2	1	DISTANZIALE ALBERO ECCENTRICO	74	37.0025.09.2	1	COPERCHIO VALVOLE FORO 3/8
35	81.2867.00.2	1	CUSCINETTO SFERE	75	84.5544.10.2	1	RUBINETTO A SFERA G.3/8 SX
36	80.2143.10.2	1	ANELLO RADIALE	76	31.1517.61.2	1	FLANGIA BLOC. RACCORDO ORIENTABILE
37	37.0001.09.2	1	CARTER POMPA				

* IN VITON REPLACE THE LAST 3 NUMBERS BY...50.2

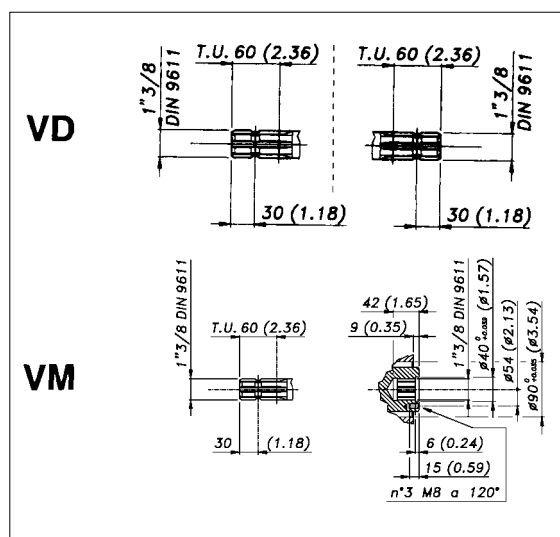
Δ IN VITON REPLACE THE LAST 3 NUMBERS BY...75.2

○ IN VITON REPLACE THE LAST 3 NUMBERS BY...60.2

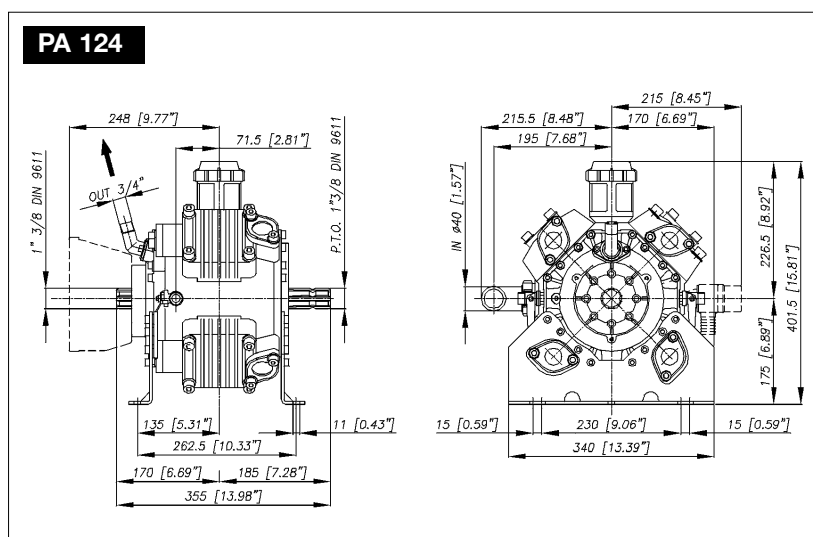
PA 124



ALBERO POMPA - PUMP SHAFT



DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



Installazione e norme generali di sicurezza
Pag. 2

Installation and general safety information
Page 8

Istruzioni di manutenzione pompe a
membrana Pag. 5

Maintenance instructions for diaphragm
pumps Page 11

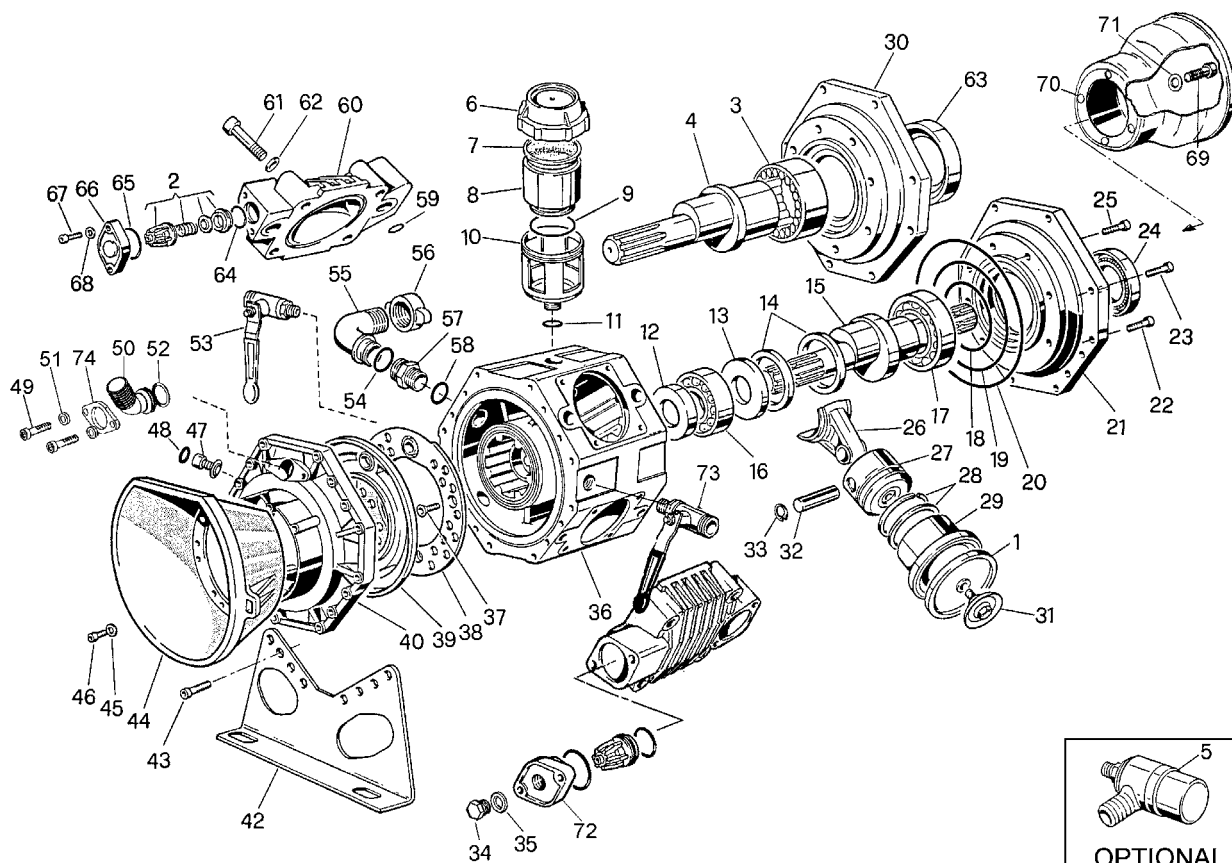
COPPIA DI SERRAGGIO - TORQUE CHART

CODICE CODE	Q.TY	N. POS.	PA 124	
			N.m	Lbr.ft
86.2752.00.2	16	22	22	16.2
86.2730.00.2	16	25	22	16.2
86.2010.00.2	4	23	10	7.4
86.2796.00.2	8	43	(LOCTITE 242)	(LOCTITE 242)
86.3990.00.2	3	37	22	16.2
86.3265.00.2	8	43	98	72.3
41.9835.97.3	16	61	44	32.5
86.2190.00.2	16	67	25	18.5
	4	31	10	7.4
	2	49		
TOLLERANZA DI SERRAGGIO:			0 → - 10%	
TOLERANCE ON TORQUE VALUE:			0 → - 10%	

KIT RICAMBI - SPARES KIT PA 124

KIT	CODICE PART NUMBER	41.9880.97.3								41.9881.97.3								41.9870.97.3			41.9871.97.3			41.9873.97.3			41.9826.97.3								41.9874.97.3						
	DESCRIZIONE DESCRIPTION	KIT POMPA VD PUMP KIT VD								KIT POMPA VC PUMP KIT VC								VAM VALVES ASSY			MEMBRANE BUNA - N DIAPHRAGMS			MEMBRANE DESMOPAN DIAPHRAGMS			MEMBRANE VITON DIAPHRAGMS								MEMBRANE PENTAX DIAPHRAGMS						
POSIZIONE ESPLOSO POSITION NUMBER		12	24	59	18	19	20	64	65	12	63	59	18	19	20	64	65	2	65	64	1	39	59	1	39	59	39	59	19	20	64	65	1	1	39	59					
QUANTITÀ NEL KIT QUANTITIES INCLUDED		1	1	8	1	1	1	8	8	1	1	8	1	1	1	8	8	8	8	8	8	4	1	8	4	1	8	1	8	1	1	8	8	4	4	1	8				

PA 124



NOMENCLATURA RICAMBI POMPE A MEMBRANA "PA 124"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	95.0040.31.2	4	MEMBRANA PISTONE BUNA-N	39	35.0040.31.2	1	MEMBRANA ACCUMULATORE
1	95.0040.33.2	4	MEMBRANA PISTONE VITON (OPT.)	39	35.0040.33.2	1	MEMBRANA ACCUMULATORE VITON (OPT.)
1	95.0040.00.2	4	MEMBRANA PISTONE DESMOPAN (OPT.)	40	41.0004.09.2	1	COPERCHIO MANDATA
2	35.9802.97.3	8	GR.VALVOLA A/M	42	41.0014.61.2	2	PIEDINO POMPA
3	81.3027.00.2	1	CUSCINETTO RULLINI "VM"	43	86.2796.00.2	8	VITE TCEI M8x40 UNI5931
4	41.0042.26.2	1	ALBERO ECCENTRICO "VM"	44	31.1466.32.2	1	CUFFIA DI PROTEZIONE (OPTIONAL)
5	24.3050.97.3	1	VALVOLA SICUREZZA 50 BAR (OPTIONAL)	45	84.3618.00.2	3	ROSETTA D.6,6x18x2 (OPTIONAL)
6	28.0144.32.2	1	COPERCHIO SERBATOIO	46	86.2108.00.2	3	VITE TCEI M6x16 UNI5931 (OPTIONAL)
7	41.0017.31.2	1	MEMBRANA SERBATOIO OLIO	47	86.1609.00.2	1	VALVOLA ARIA
8	41.0016.32.2	1	SERBATOIO OLIO	48	80.3213.00.2	1	ANELLO OR 3,0x6
9	80.3209.40.2	1	ANELLO OR 2,62x44,12	49	86.2108.00.2	1	VITE TCEI M6x16 UNI5931
10	41.0015.09.2	1	CORPO SERBATOIO OLIO	50	31.1516.09.2	1	RACCORDO ORIENTABILE G.3/4
11	82.4191.00.2	1	GUARNIZIONE D.27	51	84.3585.00.2	2	ROSETTA D.6,4x12,5x1,6
12	80.2143.10.2	1	ANELLO RADIALE	52	80.3218.00.2	1	ANELLO OR 3,0x22
13	41.0023.61.2	1	ANELLO SPALLAMENTO	53	84.5544.10.2	1	RUBINETTO A SFERA G.3/8 SX
14	14.0015.76.2	2	ANELLO SERRAGGIO BIELLE	54	80.3255.00.2	1	ANELLO OR 2,62x32,99 (fino a 03/07)
15	41.0033.26.2	1	ALBERO ECCENTRICO "VD"	54	80.3208.10.2	1	RACCORDO CURVO D.40 (fino a 03/07)
16	81.2868.00.2	1	CUSCINETTO SFERE	55	84.0585.00.2	1	RACCORDO CURVO D.40 (dal 04/07)
17	81.2913.00.2	1	CUSCINETTO SFERE "VD"	55	84.0593.00.2	1	RACCORDO CURVO D.40 (dal 04/07)
18	80.3291.00.2	1	ANELLO OR 3,53x88,5	56	82.0090.00.2	1	GALLETTO M48 (fino a 03/07)
19	80.3210.70.2	1	ANELLO OR 2,62x126,67	56	82.0071.00.2	1	GALLETTO 1" 1/2 (dal 04/07)
20	80.3291.50.2	1	ANELLO OR 3,53x177,39	57	91.0095.12.2	1	NIPPLO M48 (fino a 03/07)
21	41.0019.09.2	1	COPERCHIO ASPIRAZIONE "VD"	57	41.0063.53.2	1	NIPPLO 1" 1/2 (dal 04/07)
22	86.2752.00.2	16	VITE TCEI M8x35 UNI5931	58	80.3208.10.2	1	ANELLO OR 2,62x32,99
23	86.2730.00.2	4	VITE TCEI M8x30 UNI5931	59	80.3200.00.2	8	ANELLO OR 2,62x22,22
24	80.2190.00.2	1	ANELLO RADIALE "VD"	60	35.0002.09.2	4	TESTATA POMPA
25	86.2752.00.2	16	VITE TCEI M8x35 UNI5931	61	86.3990.00.2	16	VITE TCEI M12x60 UNI5931
26	41.0009.09.2	4	BIELLA SINGOLA IN ALLUMINIO	62	84.3896.00.2	16	ROSETTA SCHNORR D.13
26	41.0047.11.2	4	BIELLA SINGOLA IN BRONZO (OPTIONAL)	63	80.2286.00.2	1	ANELLO RADIALE "VM"
27	41.0025.09.2	4	PISTONE	64	80.3251.00.2	8	ANELLO OR 3,53x32,93
28	81.8524.00.2	8	FASCIA ELASTICA D.66	65	80.3262.00.2	8	ANELLO OR 3,53x41,28
29	41.0026.01.2	4	CAMICIA	66	35.0008.09.2	7	COPERCHIO VALVOLE
30	41.0007.09.2	1	COPERCHIO ASPIRAZIONE "VM"	67	86.3265.00.2	16	VITE TCEI M10x25 UNI5931
31	41.9835.97.3	4	KIT VITE + PIATTELLO INOX	68	84.3870.00.2	16	ROSETTA SCHNORR D.10,5
32	85.2007.00.2	4	SPINOTTO D.15x54	69	86.2796.00.2	2	VITE TCEI M8x40 UNI5931
33	80.0021.00.2	8	ANELLO D.15 PER FORO	70	31.1482.32.2	1	CUFFIA DI PROTEZIONE L=180
34	85.2579.00.2	1	TAPPO G.3/8	70	31.1468.32.2	1	CUFFIA DI PROTEZIONE L=135 (OPTIONAL)
35	82.4107.00.2	1	GUARNIZIONE D.16,5x23x1	71	84.3710.00.2	2	ROSETTA D.9x24
36	41.0001.09.2	1	CARTER POMPA	72	37.0025.09.2	1	COPERCHIO VALVOLE FORATO 3/8"
37	86.2010.00.2	3	VITE TSPEI M6x10 UNI5933 INOX	73	84.5544.00.2	1	RUBINETTO A SFERA G.3/8 DX
38	35.0003.08.2	1	SEMIACCUMULATORE	74	31.1517.61.2	1	FLANGIA BLOCC. RACCORDO ORIENTABILE

* IN VITON REPLACE THE LAST 3 NUMBERS BY....50.2

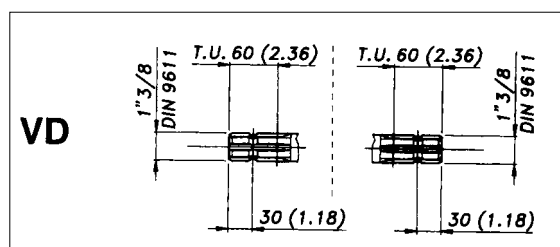
Δ IN VITON REPLACE THE LAST 3 NUMBERS BY.....75.2

○ IN VITON REPLACE THE LAST 3 NUMBERS BY.....60.2

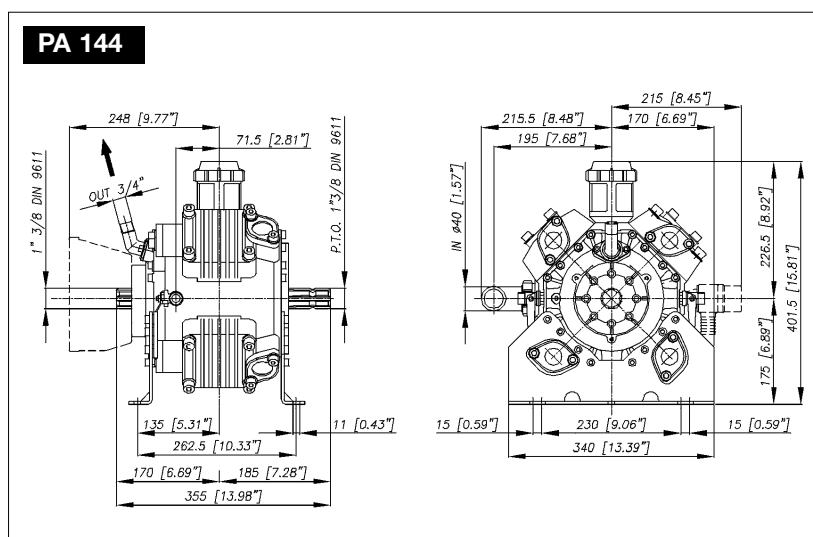
PA 144



ALBERO POMPA - PUMP SHAFT



DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



Installazione e norme generali di sicurezza
Pag. 2

Installation and general safety information
Page 8

Istruzioni di manutenzione pompe a
membrana Pag. 5

Maintenance instructions for diaphragm
pumps Page 11

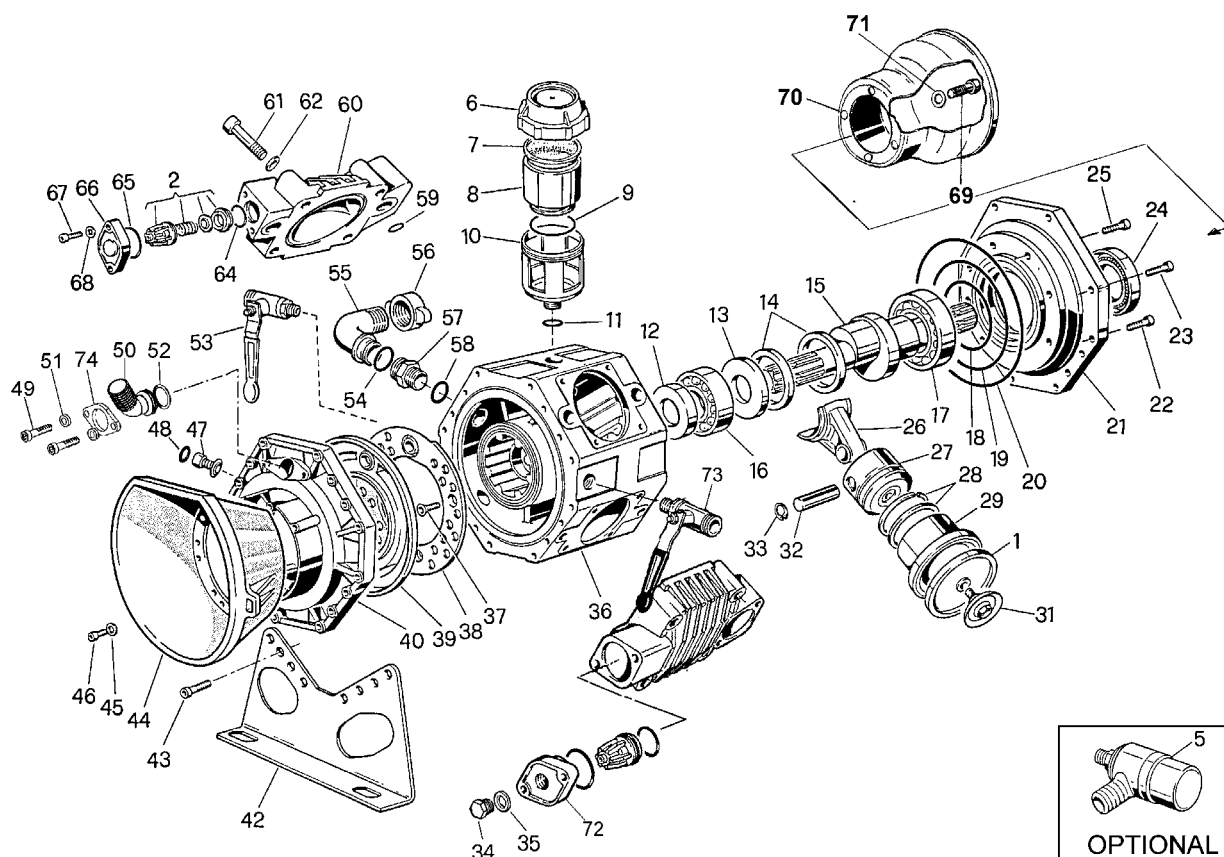
COPPIA DI SERRAGGIO - TORQUE CHART

CODICE CODE	Q.TY	N. POS.	PA 144	
			N.m	Lbr.ft
86.2752.00.2	16	22	22	16.2
86.2730.00.2	16	25	22	16.2
86.2010.00.2	4	23	22	16.2
86.2796.00.2	3	37	10 (LOCTITE 242)	7.4 (LOCTITE 242)
86.3990.00.2	8	43	22	16.2
86.3265.00.2	16	61	98	72.3
86.3265.00.2	16	67	44	32.5
41.9835.97.3	4	31	25	18.5
86.2190.00.2	2	49	10	7.4
TOLLERANZA DI SERRAGGIO:			0 → - 10%	
TOLERANCE ON TORQUE VALUE:			0 → - 10%	

KIT RICAMBI - SPARES KIT PA 144

KIT	CODICE PART NUMBER	41.9880.97.3								41.9881.97.3								41.9870.97.3			41.9871.97.3			41.9873.97.3			41.9826.97.3								41.9874.97.3						
	DESCRIZIONE DESCRIPTION	KIT POMPA VD PUMP KIT VD								KIT POMPA VC PUMP KIT VC								VAM VALVES ASSY			MEMBRANE BUNA - N DIAPHRAGMS			MEMBRANE DESMOPAN DIAPHRAGMS			MEMBRANE VITON DIAPHRAGMS								MEMBRANE PENTAX DIAPHRAGMS						
POSIZIONE ESPLOSO POSITION NUMBER		12	24	59	18	19	20	64	65	12	63	59	18	19	20	64	65	2	65	64	1	39	59	1	39	59	39	59	19	20	64	65	1	1	39	59					
QUANTITÀ NEL KIT QUANTITIES INCLUDED		1	1	8	1	1	1	8	8	1	1	8	1	1	1	8	8	8	8	8	8	4	1	8	4	1	8	1	8	1	1	8	8	4	4	1	8				

PA 144



NOMENCLATURA RICAMBI POMPE A MEMBRANA "PA 144"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	95.0040.31.2	4	MEMBRANA PISTONE BUNA-N	40	41.0004.09.2	1	COPERCHIO MANDATA
1	95.0040.33.2	4	MEMBRANA PISTONE VITON (OPT.)	42	41.0014.61.2	2	PIEDINO POMPA
1	95.0040.00.2	4	MEMBRANA PISTONE DESMOPAN (OPT.)	43	86.2796.00.2	8	VITE TCEI M8x40 UNI5931
2	35.9802.97.3	8	GR.VALVOLA A/M	44	31.1466.32.2	1	CUFFIA DI PROTEZIONE (OPTIONAL)
5	24.3050.97.3	1	VALVOLA SICUREZZA 50 BAR (OPTIONAL)	45	84.3618.00.2	3	ROSETTA D.6,6x18x2 (OPTIONAL)
6	28.0144.32.2	1	COPERCHIO SERBATOIO	46	86.2108.00.2	3	VITE TCEI M6x16 UNI5931 (OPTIONAL)
7	41.0017.31.2	1	MEMBRANA SERBATOIO OLIO	47	86.1609.00.2	1	VALVOLA ARIA
8	41.0016.32.2	1	SERBATOIO OLIO	48	80.3213.00.2	1	ANELLO OR 3,0x6
9	80.3209.40.2	1	ANELLO OR 2,62x44,12	49	86.2108.00.2	2	VITE TCEI M6x16 UNI5931
10	41.0015.09.2	1	CORPO SERBATOIO OLIO	50	31.1516.09.2	1	RACCORDO ORIENTABILE G.3/4
11	82.4191.00.2	1	GUARNIZIONE D.27	51	84.3585.00.2	2	ROSETTA D.6,4x12,5x1,6
12	80.2143.10.2	1	ANELLO RADIALE	52	80.3218.00.2	1	ANELLO OR 3,0x22
13	41.0023.61.2	1	ANELLO SPALLAMENTO	53	84.5544.10.2	1	RUBINETTO A SFERA G.3/8 SX
14	14.0015.76.2	2	ANELLO SERRAGGIO BIELLE	54	80.3255.00.2	1	ANELLO OR 2,62x32,99 (fino a 03/07)
15	41.0056.26.2	1	ALBERO ECCENTRICO "VD"	54	80.3208.10.2	1	ANELLO OR 3,53x36,1 (dal 04/07)
16	81.2868.00.2	1	CUSCINETTO SFERE	55	84.0585.00.2	1	RACCORDO CURVO D.40 (fino a 03/07)
17	81.2913.00.2	1	CUSCINETTO SFERE "VD"	55	84.0593.00.2	1	RACCORDO CURVO D.40 (dal 04/07)
18	80.3291.00.2	1	ANELLO OR 3,53x88,5	56	82.0090.00.2	1	GALLETTO M48 (fino a 03/07)
19	80.3210.70.2	1	ANELLO OR 2,62x126,67	56	82.0071.00.2	1	GALLETTO 1" 1/2 (dal 04/07)
20	80.3291.50.2	1	ANELLO OR 3,53x177,39	57	91.0095.12.2	1	NIPPLO M48 (fino a 03/07)
21	41.0019.09.2	1	COPERCHIO ASPIRAZIONE "VD"	57	41.0063.53.2	1	NIPPLO 1" 1/2 (dal 04/07)
22	86.2752.00.2	16	VITE TCEI M8x35 UNI5931	58	80.3208.10.2	1	ANELLO OR 2,62x32,99
23	86.2730.00.2	4	VITE TCEI M8x30 UNI5931	59	80.3200.00.2	8	ANELLO OR 2,62x22,22
24	80.2190.00.2	1	ANELLO RADIALE D.40x72x10 "VD"	60	35.0002.09.2	4	TESTATA POMPA
25	86.2752.00.2	14	VITE TCEI M8x35 UNI5931	61	86.3990.00.2	16	VITE TCEI M12x60 UNI5931
26	41.0009.09.2	4	BIELLA SINGOLA IN ALLUMINIO	62	84.3896.00.2	16	ROSETTA SCHNORR D.13
26	41.0047.11.2	4	BIELLA SINGOLA IN BRONZO (OPTIONAL)	64	80.3251.00.2	8	ANELLO OR 3,53x32,93
27	41.0025.09.2	4	PISTONE	65	80.3262.00.2	8	ANELLO OR 3,53x41,28
28	81.8524.00.2	8	FASCIA ELASTICA D.66	66	35.0008.09.2	7	COPERCHIO VALVOLE
29	41.0026.01.2	4	CAMICIA	67	86.3265.00.2	16	VITE TCEI M10x25 UNI5931
31	41.9835.97.3	4	KIT VITE + PIATTELLO INOX	68	84.3870.00.2	16	ROSETTA SCHNORR D.10,5
32	85.2007.00.2	4	SPINOTTO D.15x54	69	86.2796.00.2	2	VITE TCEI M8x40 UNI5931
33	80.0021.00.2	8	ANELLO D.15 PER FORO	70	31.1482.32.2	1	CUFFIA DI PROTEZIONE L=180
34	85.2579.00.2	1	TAPPO G.3/8	70	31.1468.32.2	1	CUFFIA DI PROTEZIONE L=135 (optional)
35	82.4107.00.2	1	GUARNIZIONE D.16,5x23x1	71	84.3710.00.2	2	ROSETTA D.9x24
36	41.0001.09.2	1	CARTER POMPA	72	37.0025.09.2	1	COPERCHIO VALVOLE FORATO 3/8"
37	86.2010.00.2	3	VITE TSPEI M6x10 UNI5933 INOX	73	84.5544.00.2	1	RUBINETTO A SFERA G.3/8 DX
38	35.0003.08.2	1	SEMIACCUMULATORE	74	31.1517.61.2	1	FLANGIA BLOCC.RACCORDO ORIENT.
39	35.0040.31.2	1	MEMBRANA ACCUMULATORE				
39	35.0040.33.2	1	MEMBRANA ACCUMULATORE VITON (OPT.)				

* IN VITON REPLACE THE LAST 3 NUMBERS BY....50.2

Δ IN VITON REPLACE THE LAST 3 NUMBERS BY....75.2

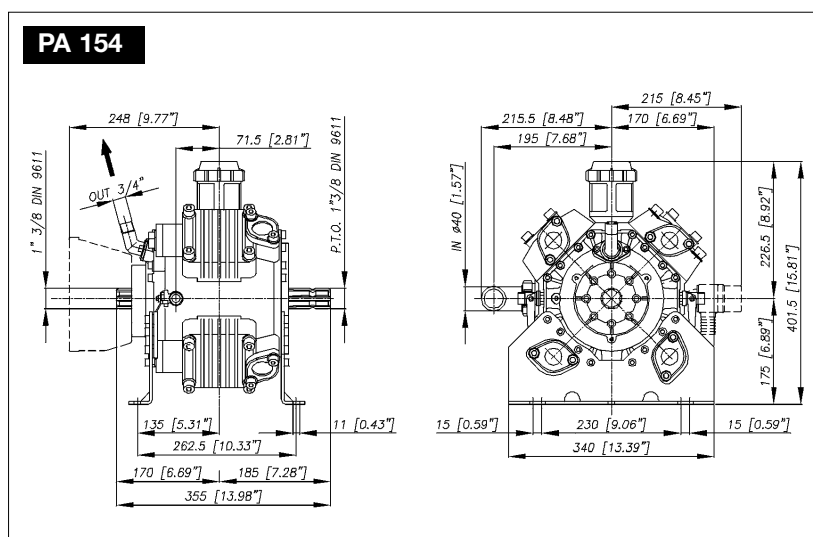
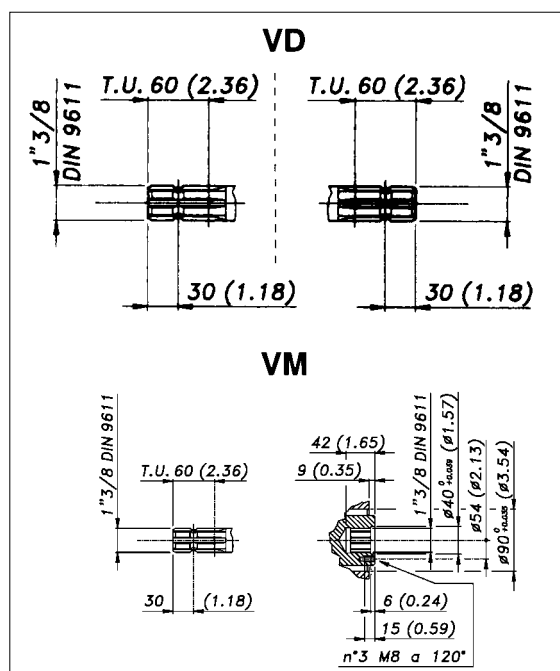
○ IN VITON REPLACE THE LAST 3 NUMBERS BY....60.2

PA 154



ALBERO POMPA - PUMP SHAFT

DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



Installazione e norme generali di sicurezza
Pag. 2

Installation and general safety information
Page 8

Istruzioni di manutenzione pompe a
membrana Pag. 5

Maintenance instructions for diaphragm
pumps Page 11

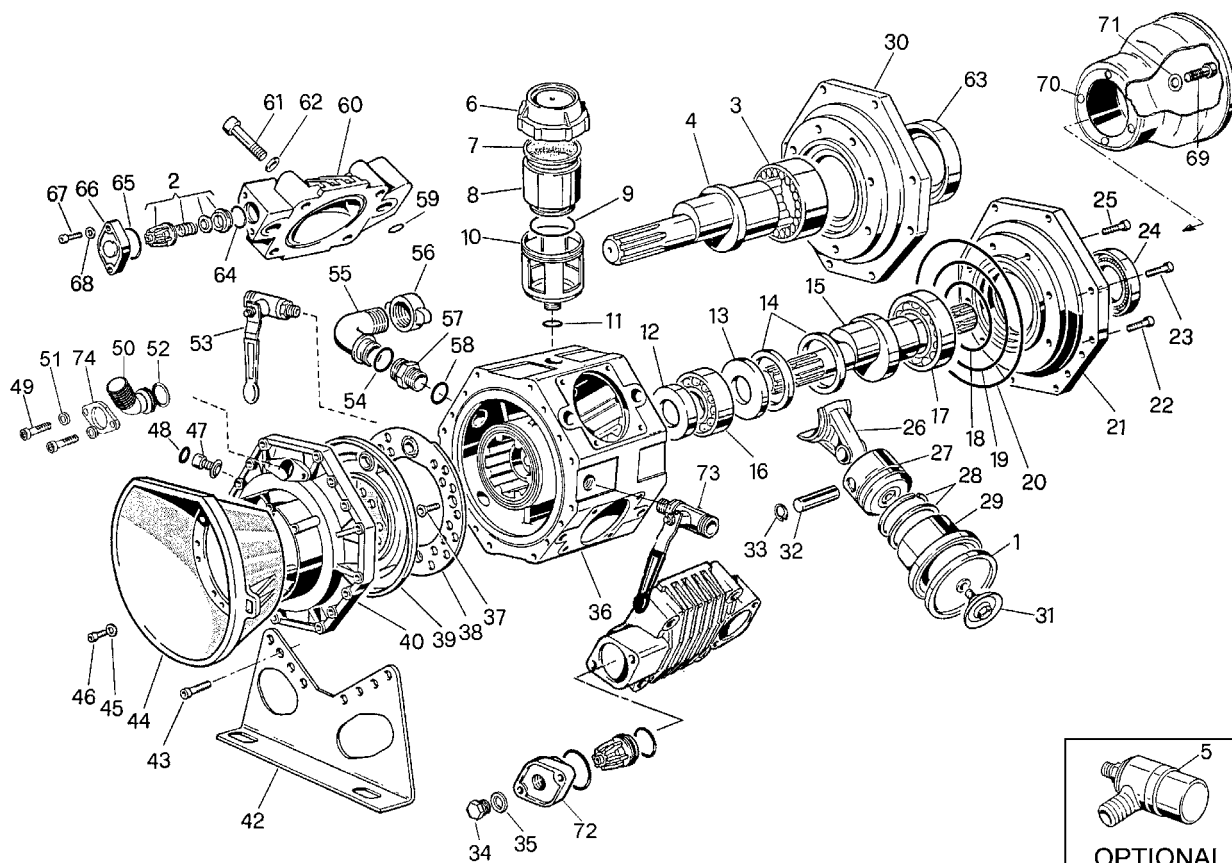
COPPIA DI SERRAGGIO - TORQUE CHART

CODICE CODE	Q.TY	N. POS.	PA 154	
			N.m	Lbr.ft
86.2752.00.2	16	22	22	16.2
86.2730.00.2	4	23	22	16.2
86.2010.00.2	3	37	10 (LOCTITE 242)	7.4 (LOCTITE 242)
86.2796.00.2	8	43	22	16.2
86.3990.00.2	16	61	98	72.3
86.3265.00.2	16	67	44	32.5
41.9835.97.3	4	31	25	18.5
86.2190.00.2	2	49	10	7.4
TOLLERANZA DI SERRAGGIO:			0 → - 10%	
TOLERANCE ON TORQUE VALUE:			0 → - 10%	

KIT RICAMBI - SPARES KIT PA 154

KIT	CODICE PART NUMBER	41.9880.97.3								41.9881.97.3								41.9870.97.3			41.9871.97.3			41.9873.97.3			41.9826.97.3								41.9874.97.3						
	DESCRIZIONE DESCRIPTION	KIT POMPA VD PUMP KIT VD								KIT POMPA VC PUMP KIT VC								VAM VALVES ASSY			MEMBRANE BUNA - N DIAPHRAGMS			MEMBRANE DESMOPAN DIAPHRAGMS			MEMBRANE VITON DIAPHRAGMS								MEMBRANE PENTAX DIAPHRAGMS						
POSIZIONE ESPLOSO POSITION NUMBER		12	24	59	18	19	20	64	65	12	63	59	18	19	20	64	65	2	65	64	1	39	59	1	39	59	39	59	19	20	64	65	1	1	39	59					
QUANTITÀ NEL KIT QUANTITIES INCLUDED		1	1	8	1	1	1	8	8	1	1	8	1	1	1	8	8	8	8	8	8	4	1	8	4	1	8	1	8	1	1	8	8	4	4	1	8				

PA 154



NOMENCLATURA RICAMBI POMPE A MEMBRANA "PA 154"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	95.0040.31.2	4	MEMBRANA PISTONE BUNA-N	39	35.0040.31.2	1	MEMBRANA ACCUMULATORE
1	95.0040.33.2	4	MEMBRANA PISTONE VITON (OPT.)	39	35.0040.33.2	1	MEMBRANA ACCUMULATORE VITON (OPT.)
1	95.0040.00.2	4	MEMBRANA PISTONE DESMOPAN (OPT.)	40	41.0004.09.2	1	COPERCHIO MANDATA
2	35.9802.97.3	8	GR.VALVOLA A/M	42	41.0014.61.2	2	PIEDINO POMPA
3	81.3027.00.2	1	CUSCINETTO RULLINI "VM"	43	86.2796.00.2	8	VITE TCEI M8x40 UNI5931
4	41.0042.26.2	1	ALBERO ECCENTRICO "VM"	44	31.1466.32.2	1	CUFFIA DI PROTEZIONE (OPTIONAL)
5	24.3050.97.3	1	VALVOLA SICUREZZA 50 BAR (OPTIONAL)	45	84.3618.00.2	3	ROSETTA D.6,6x18x2 (OPTIONAL)
6	28.0144.32.2	1	COPERCHIO SERBATOIO	46	86.2108.00.2	3	VITE TCEI M6x16 UNI5931 (OPTIONAL)
7	41.0017.31.2	1	MEMBRANA SERBATOIO OLIO	47	86.1609.00.2	1	VALVOLA ARIA
8	41.0016.32.2	1	SERBATOIO OLIO	48	80.3213.00.2	1	ANELLO OR 3,0x6
9	80.3209.40.2	1	ANELLO OR 2,62x44,12	49	86.2108.00.2	1	VITE TCEI M6x16 UNI5931
10	41.0015.09.2	1	CORPO SERBATOIO OLIO	50	31.1516.09.2	1	RACCORDO ORIENTABILE G.3/4
11	82.4191.00.2	1	GUARNIZIONE D.27	51	84.3585.00.2	2	ROSETTA D.6,4x12,5x1,6
12	80.2143.10.2	1	ANELLO RADIALE	52	80.3218.00.2	1	ANELLO OR 3,0x22
13	41.0023.61.2	1	ANELLO SPALLAMENTO	53	84.5544.10.2	1	RUBINETTO A SFERA G.3/8 SX
14	14.0015.76.2	2	ANELLO SERRAGGIO BIELLE	54	80.3255.00.2	1	ANELLO OR 2,62x32,99 (fino a 03/07)
15	41.0033.26.2	1	ALBERO ECCENTRICO "VD"	54	80.3208.10.2	1	ANELLO OR 3,53x36,1 (dal 04/07)
16	81.2868.00.2	1	CUSCINETTO SFERE	55	84.0585.00.2	1	RACCORDO CURVO D.40 (fino a 03/07)
17	81.2913.00.2	1	CUSCINETTO SFERE "VD"	55	84.0593.00.2	1	RACCORDO CURVO D.40 (dal 04/07)
18	80.3291.00.2	1	ANELLO OR 3,53x88,5	56	82.0090.00.2	1	GALLETTO M48 (fino a 03/07)
19	80.3210.70.2	1	ANELLO OR 2,62x126,67	56	82.0071.00.2	1	GALLETTO 1" 1/2 (dal 04/07)
20	80.3291.50.2	1	ANELLO OR 3,53x177,39	57	91.0095.12.2	1	NIPPLO M48 (fino a 03/07)
21	41.0019.09.2	1	COPERCHIO ASPIRAZIONE "VD"	57	41.0063.53.2	1	NIPPLO 1" 1/2 (dal 04/07)
22	86.2752.00.2	16	VITE TCEI M8x35 UNI5931	58	80.3208.10.2	1	ANELLO OR 2,62x32,99
23	86.2730.00.2	4	VITE TCEI M8x30 UNI5931	59	80.3200.00.2	8	ANELLO OR 2,62x22,22
24	80.2190.00.2	1	ANELLO RADIALE "VD"	60	35.0002.09.2	4	TESTATA POMPA
25	86.2752.00.2	16	VITE TCEI M8x35 UNI5931	61	86.3990.00.2	16	VITE TCEI M12x60 UNI5931
26	41.0009.09.2	4	BIELLA SINGOLA IN ALLUMINIO	62	84.3896.00.2	16	ROSETTA SCHNORR D.13
26	41.0047.11.2	4	BIELLA SINGOLA IN BRONZO (OPTIONAL)	63	80.2286.00.2	1	ANELLO RADIALE "VM"
27	37.0016.09.2	4	PISTONE	64	80.3251.00.2	8	ANELLO OR 3,53x32,93
28	81.8527.00.2	8	FASCIA ELASTICA D.70	65	80.3262.00.2	8	ANELLO OR 3,53x41,28
29	43.0015.01.2	4	CAMICIA	66	35.0008.09.2	7	COPERCHIO VALVOLE
30	41.0007.09.2	1	COPERCHIO ASPIRAZIONE "VM"	67	86.3265.00.2	16	VITE TCEI M10x25 UNI5931
31	41.9835.97.3	4	KIT VITE + PIATTELLO INOX	68	84.3870.00.2	16	ROSETTA SCHNORR D.10,5
32	85.2007.00.2	4	SPINOTTO D.15x54	69	86.2796.00.2	2	VITE TCEI M8x40 UNI5931
33	80.0021.00.2	8	ANELLO D.15 PER FORO	70	31.1482.32.2	1	CUFFIA DI PROTEZIONE L=180
34	85.2579.00.2	1	TAPPO G.3/8	70	31.1468.32.2	1	CUFFIA DI PROTEZIONE L=135 (OPTIONAL)
35	82.4107.00.2	1	GUARNIZIONE D.16,5x23x1	71	84.3710.00.2	2	ROSETTA D.9x24
36	41.0001.09.2	1	CARTER POMPA	72	37.0025.09.2	1	COPERCHIO VALVOLE FORATO 3/8"
37	86.2010.00.2	3	VITE TSPEI M6x10 UNI5933 INOX	73	84.5544.00.2	1	RUBINETTO A SFERA G.3/8 DX
38	35.0003.08.2	1	SEMIACCUMULATORE	74	31.1517.61.2	1	FLANGIA BLOCC. RACCORDO ORIENTABILE

* IN VITON REPLACE THE LAST 3 NUMBERS BY50.2

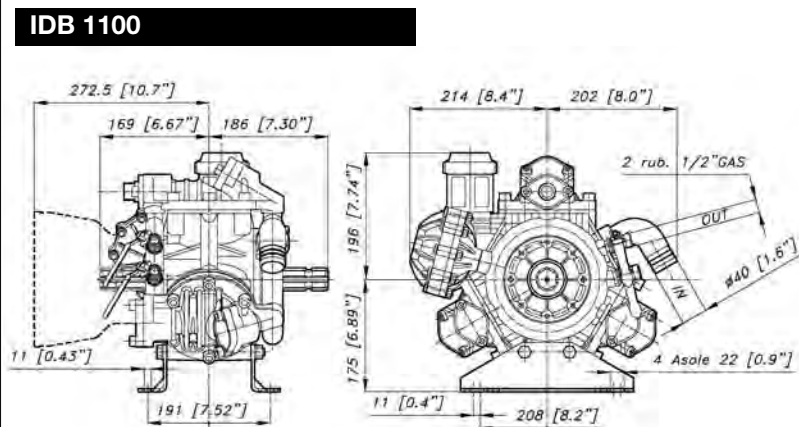
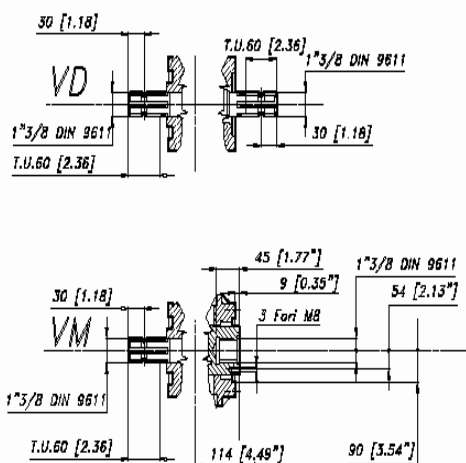
Δ IN VITON REPLACE THE LAST 3 NUMBERS BY75.2

○ IN VITON REPLACE THE LAST 3 NUMBERS BY60.2

**IDROMECCANICA®
BERTOLINI**



DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS

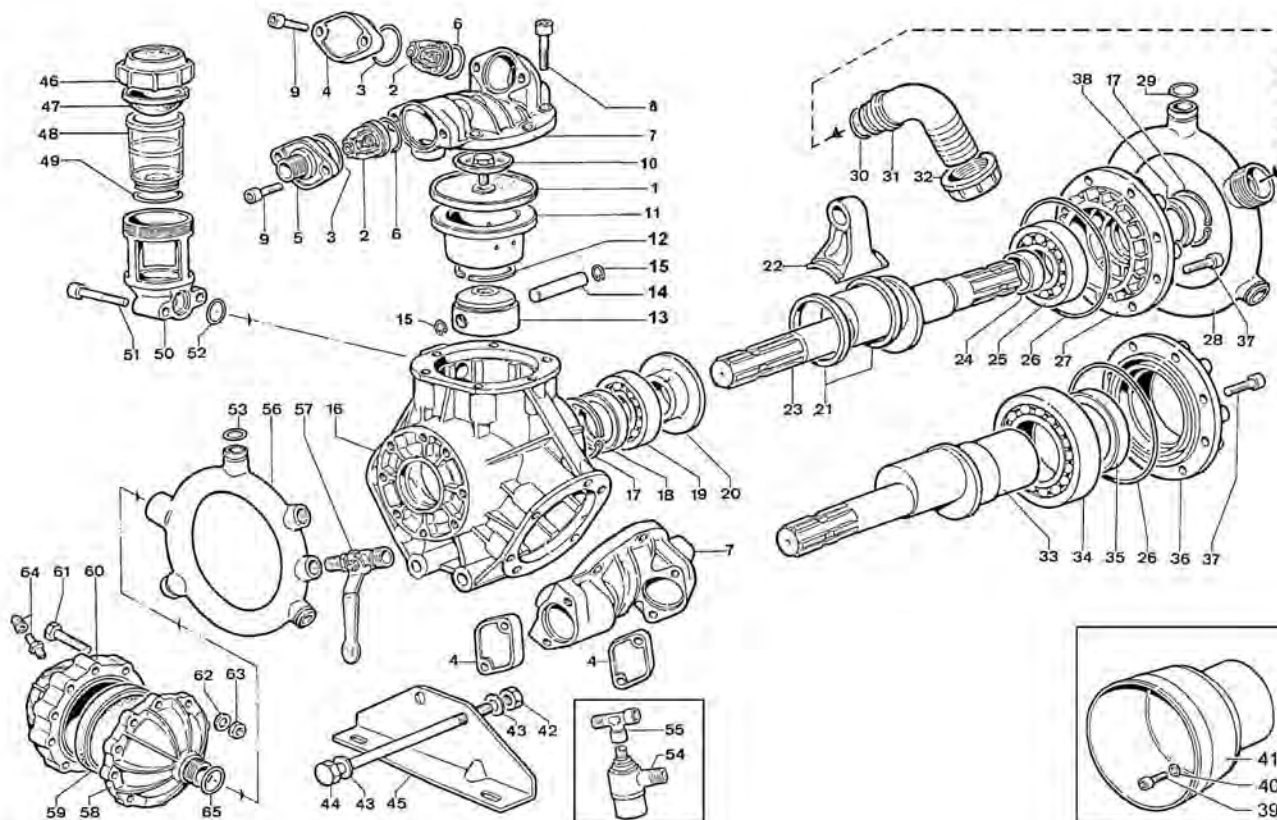


Maintenance instructions for diaphragm pumps Page 11

CODICE CODE	Q.TY	N. POS.	IDB 1100	
			N.m	Lbr.ft
41.9835.97.3	3	10	12	8.9
86.2852.00.2	2	51	22	16.3
86.3265.00.2	12	9	44	32.5
86.2562.00.2	8	37	22	16.3
86.2547.00.2	2	39	10	7.4
86.2785.00.2	10	61	22	16.3
86.4139.00.2	2	44	68	50
86.3947.00.2	18	8	98	72.3
TOLLERANZA DI SERRAGGIO:			0	
TOLERANCE ON TORQUE VALUE:			- 10%	

KIT	CODICE PART NUMBER	48.9804.97.3						48.9805.97.3			48.9807.97.3				48.9808.97.3				48.9809.97.3						48.9812.97.3															
	DESCRIZIONE DESCRIPTION	KIT POMPA PUMP KIT						VAM VALVES ASSY			MEMBRANE BUNA - N DIAPHRAGMS				MEMBRANE DESMOPAN DIAPHRAGMS				MEMBRANE VITON DIAPHRAGMS						MEMBRANE PENTAX DIAPHRAGMS															
POSIZIONE ESPLOSO POSITION NUMBER		3	6	18	26	29	35	38	53	2	3	6	1	29	53	59	1	29	53	1	29	53	30	3	6	65	59	1	29	53	59									
QUANTITÀ NEL KIT QUANTITIES INCLUDED		6	6	1	1	3	1	1	3	6	6	6	3	3	3	1	3	3	3	3	3	3	1	6	6	1	1	3	3	3	1									

IDB 1100

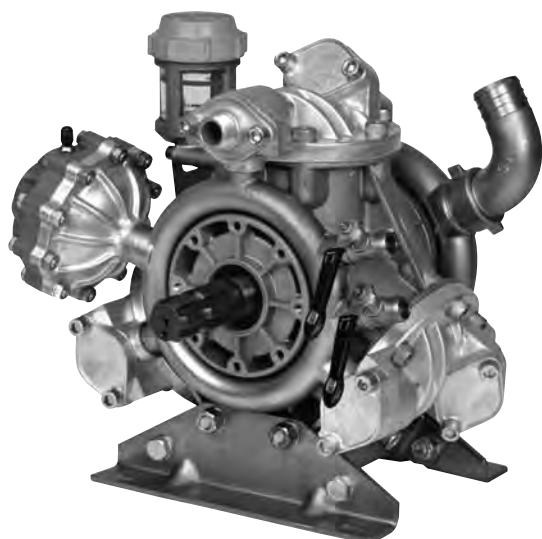


NOMENCLATURA RICAMBI POMPE A MEMBRANA "IDB 1100"

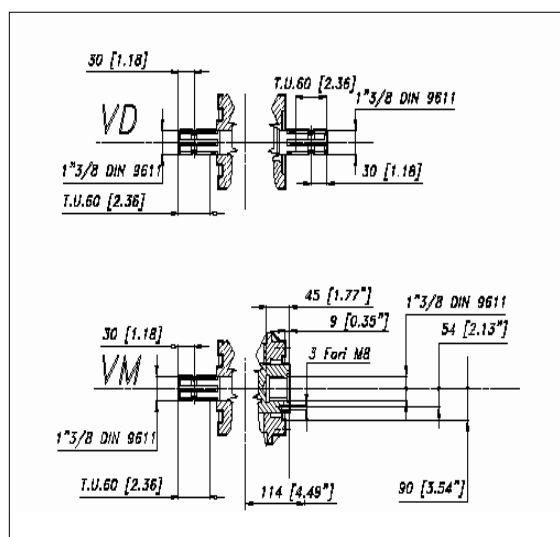
POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	95.0040.31.2	3	MEMBRANA PISTONE BUNA-N	32	82.0071.00.2	1	GALLETTO G.1"1/2 OTTONE
1	95.0040.31.2	3	MEMBRANA	33	48.0009.26.2	1	ALBERO "VM" 1"3/8 M/F
1	95.0040.33.2	3	MEMBRANA VITON (OPTIONAL)	34	81.3020.00.2	1	CUSCINETTO A SFERE "VM"
1	95.0040.00.2	3	MEMBRANA DESMOPAN (OPTIONAL)	35	80.2264.10.2	1	ANELLO RADIALE D.68x90x10 "VM"
2	35.9802.97.3	6	GR.VALVOLA A/M	36	48.0004.09.2	1	SUPPORTO CUSCINETTO "VM"
3	80.3262.00.2	6	ANELLO OR 3,53x41,28	37	86.2562.00.2	8	VITE TCEI M8x20 UNI5931
4	35.0008.28.2	5	COPERCHIO VALVOLE	38	80.2178.10.2	1	ANELLO RADIALE D.40x52x7
5	35.0018.28.2	1	COPERCHIO VALVOLA G.3/4"	39	86.2547.00.2	2	VITE TCEI M8x18 UNI5931 (OPTIONAL)
6	80.3251.00.2	6	ANELLO OR 3,53x32,93	40	84.3696.00.2	2	ROSETTA D.8,4x18x2 (OPTIONAL)
7	48.0027.28.2	3	TESTATA POMPA	41	31.1468.32.2	1	CUFFIA CARDANO L=135 (OPTIONAL)
8	86.3947.00.2	18	VITE M12x40 UNI 5931	41	31.1482.32.2	1	CUFFIA CARDANO L=180 (OPTIONAL)
9	86.3265.00.2	12	VITE TCEI M10x25 UNI5931	42	81.4706.00.2	2	DADO M12 FLANGIATO UNI5587
10	41.9835.97.3	3	KIT VITE/PIATTELLO INOX	44	86.4139.00.2	2	VITE M12x160 UNI 5737
11	43.0015.01.2	3	CAMICIA	45	27.0021.61.2	2	PIEDINO POMPA
12	81.8527.00.2	6	FASCIA ELASTICA	46	28.0144.32.2	1	COPERCHIO SERBATOIO
13	37.0016.09.2	3	PISTONE	47	41.0017.31.2	1	MEMBRANA SERBATOIO OLIO
14	85.2007.00.2	3	SPINOTTO	48	41.0016.32.2	1	SERBATOIO OLIO
15	80.0021.00.2	6	ANELLO D.15 X FORO	49	80.3209.40.2	1	ANELLO OR 2,62x44,12
16	48.0001.08.2	1	CARTER POMPA	50	35.0009.09.0	1	CORPO SERBATOIO OLIO
17	80.1369.00.2	2	ANELLO D.52 X FORO	51	86.2852.00.2	2	VITE TCEI M8x45 UNI5931
18	80.2143.10.2	1	ANELLO RADIALE D.35x52x7	52	80.3195.00.2	1	ANELLO OR 2,62x20,24
19	81.2868.00.2	1	CUSCINETTO A SFERE	53	80.3189.00.2	3	ANELLO OR 2,62x18,72
20	48.0007.01.2	1	DISTANZIALE ALBERO	54	24.3050.97.3	1	VALVOLA SICUREZZA 50bar (OPTIONAL)
21	14.0015.76.2	2	ANELLO SERRAGGIO BIELLE	55	83.5020.00.2	1	RACCORDO "T" G.3/8 (OPTIONAL)
22	41.0047.11.2	3	BIELLA SINGOLA IN BRONZO	56	48.0026.12.2	1	COLLETTORE MANDATA
23	41.0033.26.2	1	ALBERO "VD" 1"3/8 M/M	57	84.5544.00.2	2	RUBINETTO
24	48.0008.41.2	1	DISTANZIALE ALBERO"VD"	58	48.0021.28.2	1	ACCUMULATORE INFERIORE
25	81.2913.00.2	1	CUSCINETTO A SFERE "VD"	59	93.0041.31.2	1	MEMBRANA ACCUMULATORE
26	80.3210.68.2	1	ANELLO OR 2,62x120,32	60	93.0003.09.2	1	ACCUMULATORE SUPERIORE
27	48.0003.09.2	1	SUPPORTO CUSCINETTO "VD"	61	86.2785.00.2	10	VITE M8x40 UNI 5737
28	48.0025.12.2	1	COLLETTORE ASPIRAZIONE	62	84.3685.00.2	10	ROSETTA D.8,2x15x1,5
29	80.3204.00.2	3	ANELLO OR 2,62x23,81	63	81.4575.00.2	10	DADO M8 UNI5588
30	80.3219.10.2	1	ANELLO OR 3,0x30 (OPTIONAL)	64	86.1605.00.2	1	VALVOLA ARIA
30	80.3255.00.2	1	ANELLO OR 3,53x36,1	65	80.3200.00.2	1	ANELLO OR 2,62x22,22
31	84.0591.00.2	1	RACC. CURVO D.40 PLAST.(OPTIONAL)				
31	84.0593.00.2	1	RACC. CURVO D.40 OTTONE				
32	82.0070.00.2	1	GALLETTO G.1"1/2 PLAST.(OPTIONAL)				

★ IN VITON REPLACE THE LAST 3 NUMBERS BY50.2

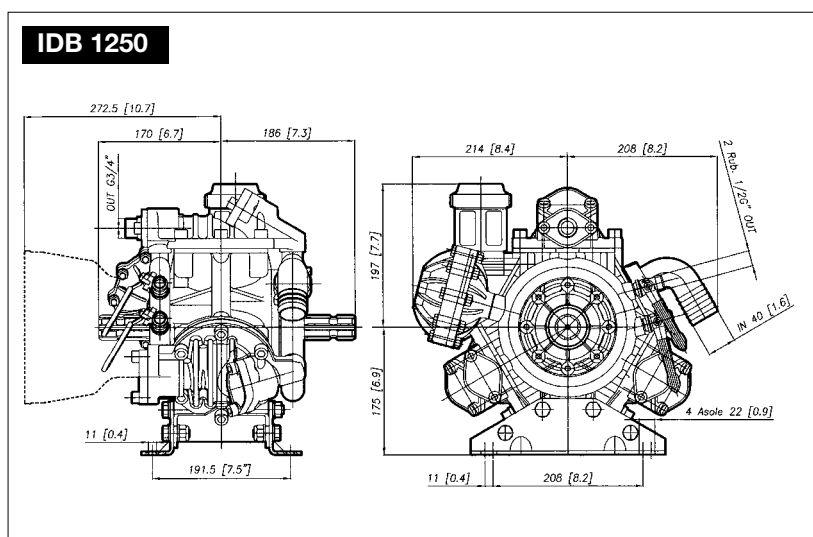
IDB 1250



ALBERO POMPA - PUMP SHAFT



DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



Installazione e norme generali di sicurezza
Pag. 2

Installation and general safety information
Page 8

Istruzioni di manutenzione pompe a
membrana Pag. 5

Maintenance instructions for diaphragm
pumps Page 11

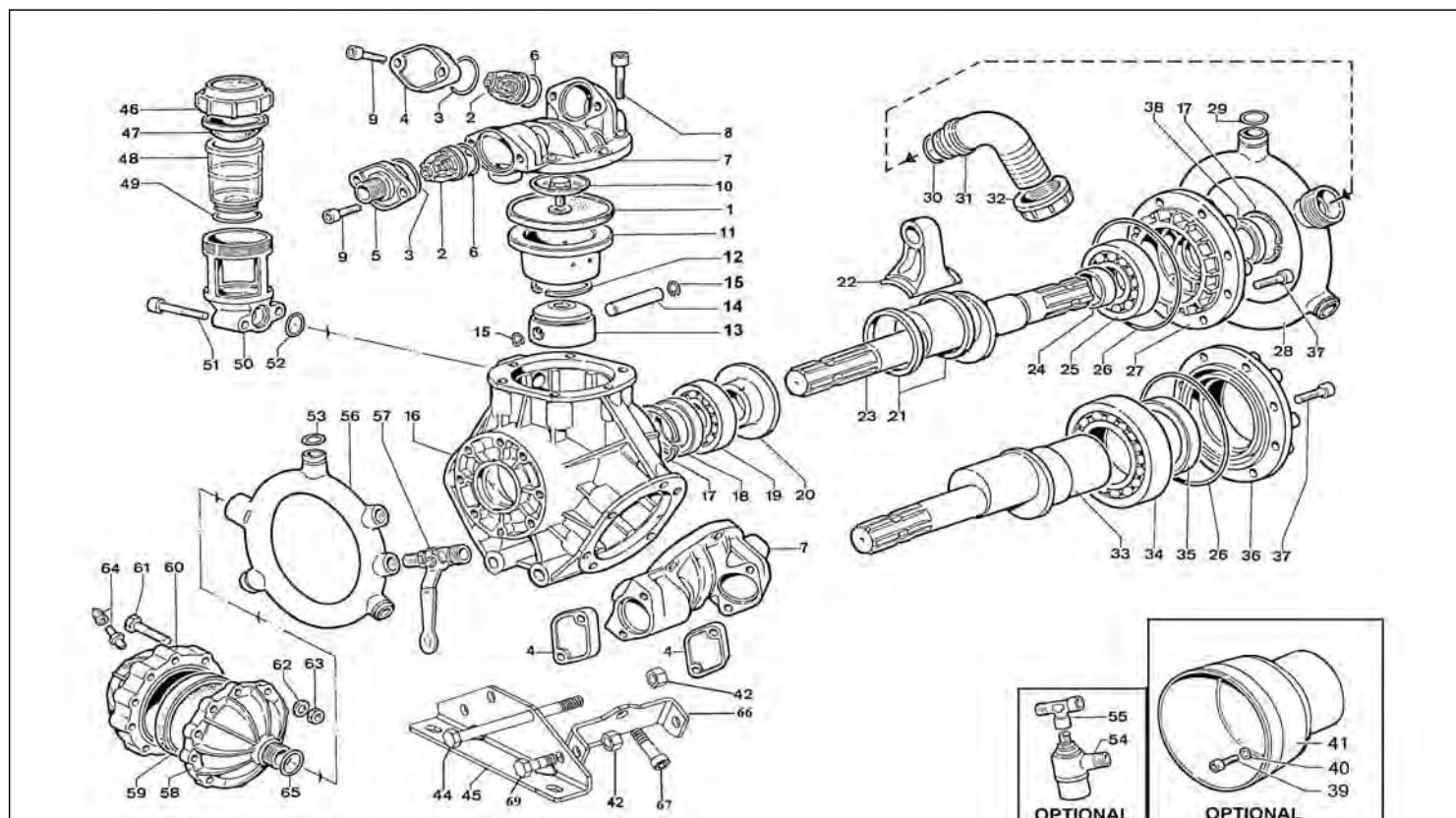
COPPIA DI SERRAGGIO - TORQUE CHART

CODICE CODE	Q.TY	N. POS.	IDB 1250	
			N.m	Lbr.ft
41.9835.97.3	3	10	25	18,5
81.4706.00.2	4	68	68	50
86.2852.00.2	2	51	22	16.3
86.3265.00.2	12	9	44	32.5
86.2562.00.2	8	37	22	16.3
86.2547.00.2	2	39	10	7.4
86.2785.00.2	10	61	22	16.3
86.3740.00.2	4	69	68	50
86.4139.00.2	2	44	68	50
86.3947.00.2	16	8	98	72.3
86.3983.00.2	2	67	98	72.3
TOLLERANZA DI SERRAGGIO:			0	
TOLERANCE ON TORQUE VALUE:			- 10%	

KIT RICAMBI - SPARES KIT IDB 1250

KIT	CODICE PART NUMBER	48.9804.97.3							48.9805.97.3			48.9807.97.3				48.9808.97.3				48.9809.97.3							48.9812.97.3												
	DESCRIZIONE DESCRIPTION	KIT POMPA PUMP KIT							VAM VALVES ASSY			MEMBRANE BUNA - N DIAPHRAGMS				MEMBRANE DESMOPAN DIAPHRAGMS				MEMBRANE VITON DIAPHRAGMS							MEMBRANE PENTAX DIAPHRAGMS												
POSIZIONE ESPLOSO POSITION NUMBER		3	6	18	26	29	35	38	53	2	3	6	1	29	53	59	1	29	53	1	29	53	30	3	6	65	59	1	29	53	59								
QUANTITÀ NEL KIT QUANTITIES INCLUDED		6	6	1	1	3	1	1	3	6	6	6	3	3	3	1	3	3	3	3	3	3	1	6	6	1	1	3	3	3	1								

IDB 1250



NOMENCLATURA RICAMBI POMPE A MEMBRANA "IDB 1250"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	95.0040.31.2	3	MEMBRANA	34	81.3020.00.2	1	CUSCINETTO A SFERE "VM"
1	95.0040.33.2	3	MEMBRANA VITON (OPTIONAL)	35	80.2264.10.2	1	ANELLO RADIALE D.68x90x10 "VM"
1	95.0040.00.2	3	MEMBRANA DESMOPAN (OPTIONAL)	36	48.0004.09.2	1	SUPPORTO CUSCINETTO "VM"
1	95.0040.36.2	3	MEMBRANA HPS (OPTIONAL)	37	86.2562.00.2	8	VITE TCEI M8x20 UNI5931
2	35.9802.97.3	6	GR.VALVOLA A/M	38	80.2178.10.2	1	ANELLO RADIALE D.40x52x7
3	80.3262.00.2	6	ANELLO OR 3,53x41,28	39	86.2547.00.2	2	VITE TCEI M8x18 UNI5931 (OPTIONAL)
4	35.0008.28.2	5	COPERCHIO VALVOLE	40	84.3696.00.2	2	ROSETTA D.8,4x18x2 (OPTIONAL)
5	35.0018.28.2	1	COPERCHIO VALVOLA G.3/4"	41	31.1468.32.2	1	CUFFIA CARDANO L=135 (OPTIONAL)
6	80.3251.00.2	6	ANELLO OR 3,53x32,93	41	31.1482.32.2	1	CUFFIA CARDANO L=180 (OPTIONAL)
7	48.0027.28.2	3	TESTATA POMPA	42	81.4706.00.2	6	DADO M12 FLANGIATO UNI5587
8	86.3947.00.2	16	VITE M12x40 UNI 5931	44	86.4139.00.2	2	VITE M12x160 UNI 5737
9	86.3265.00.2	12	VITE TCEI M10x25 UNI5931	45	48.0031.61.2	2	PIEDINO POMPA IDB 1250
10	41.9835.97.3	3	KIT VITE/PIATTELLO INOX	46	28.0144.32.2	1	COPERCHIO SERBATOIO
11	48.0029.01.2	3	CAMICIA IDB 1250	47	41.0017.31.2	1	MEMBRANA SERBATOIO OLIO
12	81.8530.00.2	6	FASCIA ELASTICA	48	41.0016.32.2	1	SERBATOIO OLIO
13	48.0028.09.2	3	PISTONE IDB 1250	49	80.3209.40.2	1	ANELLO OR 2,62x44,12
14	85.2007.00.2	3	SPINOTTO	50	35.0009.09.0	1	CORPO SERBATOIO OLIO
15	80.0021.00.2	6	ANELLO D.15 X FORO	51	86.2852.00.2	2	VITE TCEI M8x45 UNI5931
16	48.0001.08.2	1	CARTER POMPA	52	80.3195.00.2	1	ANELLO OR 2,62x20,24
17	80.1369.00.2	2	ANELLO D.52 X FORO	53	80.3189.00.2	3	ANELLO OR 2,62x18,72
18	80.2143.10.2	1	ANELLO RADIALE D.35x52x7	54	24.3050.97.3	1	VALVOLA SICUREZZA 50bar (OPTIONAL)
19	81.2868.00.2	1	CUSCINETTO A SFERE	55	83.5020.00.2	1	RACCORDO "T" G.3/8 (OPTIONAL)
20	48.0007.01.2	1	DISTANZIALE ALBERO	56	48.0026.12.2	1	COLLETTORE MANDATA
21	14.0015.76.2	2	ANELLO SERRAGGIO BIELLE	57	84.5544.00.2	2	RUBINETTO
22	41.0047.11.2	3	BIELLA BRONZO	58	48.0021.28.2	1	ACCUMULATORE INFERIORE
23	41.0033.26.2	1	ALBERO "VD" 1"3/8 M/M	59	93.0041.31.2	1	MEMBRANA ACCUMULATORE
24	48.0008.41.2	1	DISTANZIALE ALBERO"VD"	60	93.0003.09.2	1	ACCUMULATORE SUPERIORE
25	81.2913.00.2	1	CUSCINETTO A SFERE "VD"	61	86.2785.00.2	10	VITE M8x40 UNI 5737
26	80.3210.68.2	1	ANELLO OR 2,62x120,32	62	84.3685.00.2	10	ROSETTA D.8,2x15x1,5
27	48.0003.09.2	1	SUPPORTO CUSCINETTO "VD"	63	81.4575.00.2	10	DADO M8 UNI5588
28	48.0025.12.2	1	COLLETTORE ASPIRAZIONE	64	86.1605.00.2	1	VALVOLA ARIA
29	80.3204.00.2	3	ANELLO OR 2,62x23,81	65	80.3200.00.2	1	ANELLO OR 2,62x22.22
30	80.3255.00.2	1	ANELLO OR 3,53x36.1	66	48.0030.68.2	2	STAFFA PIEDINO
31	84.0591.00.2	1	RACC. CURVO D.40 PLAST.(OPTIONAL)	67	86.3983.00.2	2	VITE TCEI M12x45 UNI 5931
31	84.0593.00.2	1	RACC. CURVO D.40 OTTONE	68	81.4706.00.2	4	DADO M12 UNI 7473
32	82.0070.00.2	1	GALLETTO G.1"1/2 PLAST.(OPTIONAL)	69	86.3740.00.2	4	VITE TE M12x30 UNI 5739
32	82.0071.00.2	1	GALLETTO G.1"1/2 OTTONE				
33	48.0009.26.2	1	ALBERO "VM" 1"3/8 M/F				

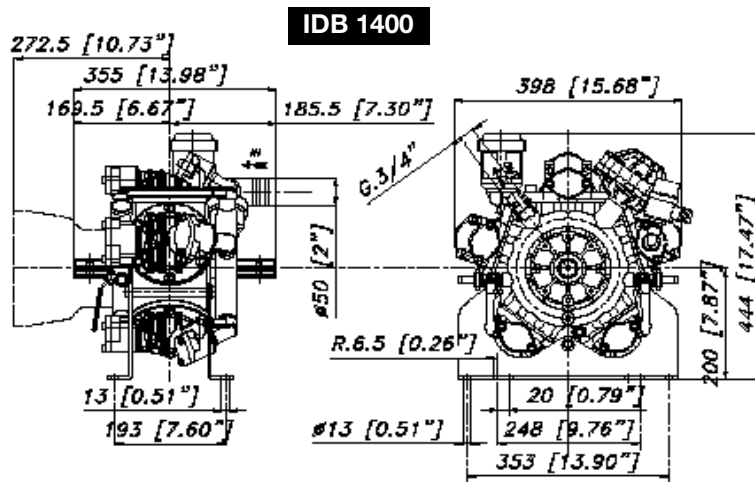
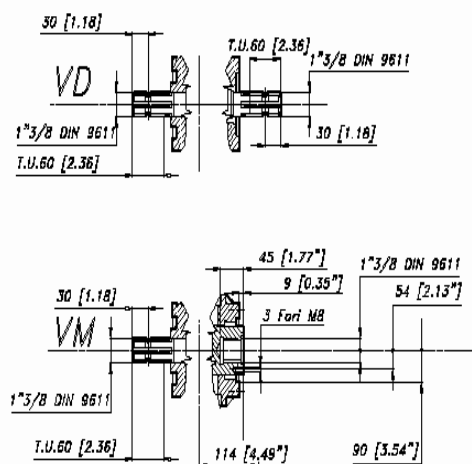
★ IN VITON REPLACE THE LAST 3 NUMBERS BY.....50.2

IDB 1400



ALBERO POMPA - PUMP SHAFT

DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



Installazione e norme generali di sicurezza
Pag. 2

Installation and general safety information
Page 8

Istruzioni di manutenzione pompe a
membrana Pag. 5

Maintenance instructions for diaphragm
pumps Page 11

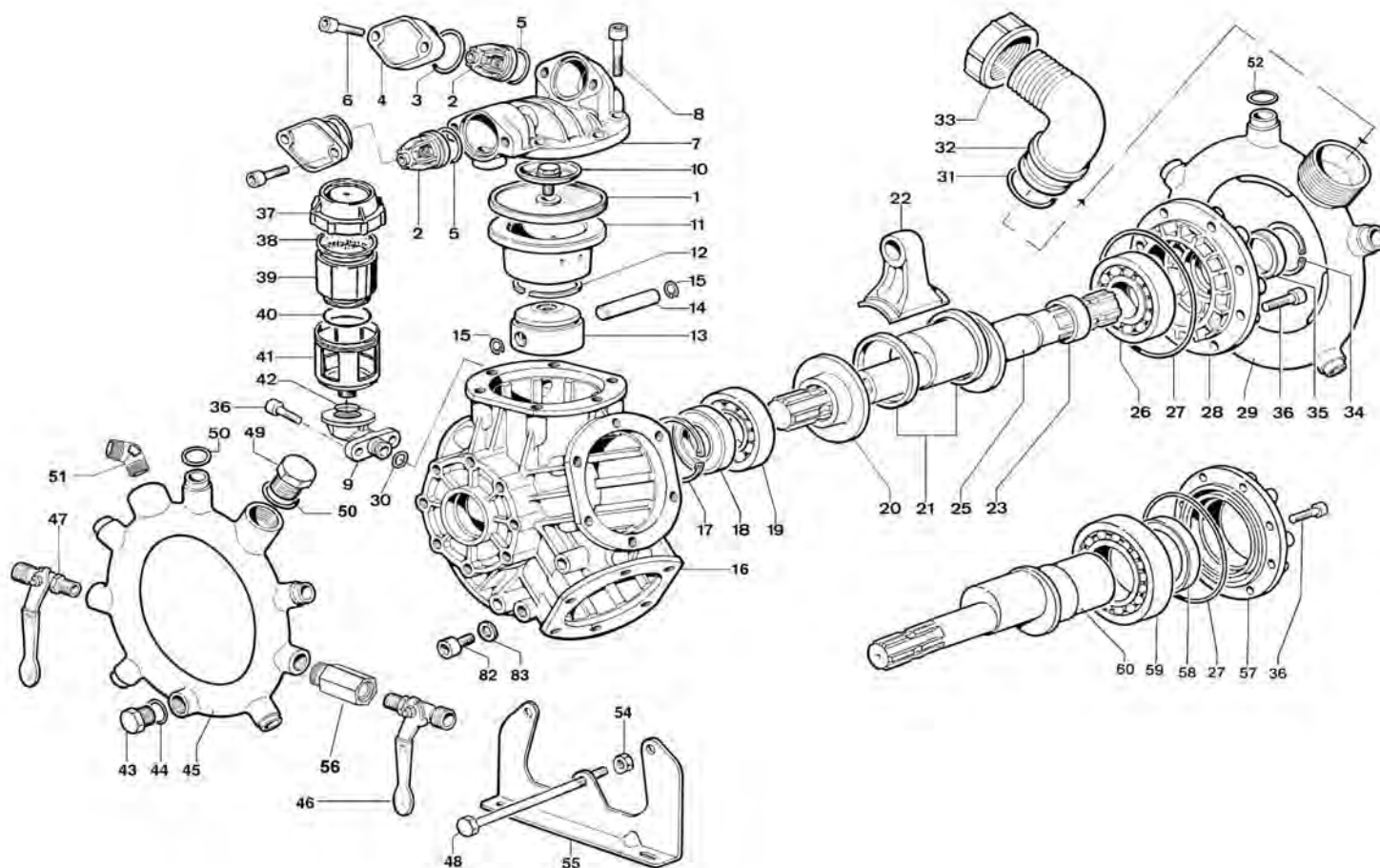
COPPIA DI SERRAGGIO - TORQUE CHART

CODICE CODE	Q.TY	N. POS.	IDB 1400	
			N.m	Lbr.ft
49.9800.97.3	5	10	25	18.5
81.4575.00.2	10	61	22	16.3
81.4705.00.2	3	54	68	50
81.4749.00.2	30	74	98	72.3
86.2547.00.2	2	80	10	7.4
86.2562.00.2	10	36	22	16.3
86.2785.00.2	10	59	22	16.3
86.3265.00.2	20	6	44	32.5
86.3694.50.2	1	82	40	29.5
86.3947.00.2	30	8	98	72.3
86.4139.00.2	3	48	68	50
TOLLERANZA DI SERRAGGIO:			0%	
TOLERANCE ON TORQUE VALUE:			- 10%	

KIT RICAMBI - SPARES KIT IDB 1400

KIT	CODICE PART NUMBER	49.9805.97.3							49.9806.97.3			49.9808.97.3			49.9809.97.3			49.9810.97.3							49.9812.97.3					
	DESCRIZIONE DESCRIPTION	KIT POMPA PUMP KIT							VAM VALVES ASSY			MEMBRANE BUNA - N DIAPHRAGMS			MEMBRANE DESMOPAN DIAPHRAGMS			MEMBRANE VITON DIAPHRAGMS							MEMBRANE PENTAX DIAPHRAGMS					
POSIZIONE ESPLOSO POSITION NUMBER		3	5	18	27	35	50	52	2	3	5	1	50	52	1	50	52	1	50	52	5	3	31	1	50	52				
QUANTITÀ NEL KIT QUANTITIES INCLUDED		10	10	1	1	1	7	5	10	10	10	5	5	5	5	5	5	5	7	5	10	10	1	5	5	5				

IDB 1400



NOMENCLATURA RICAMBI POMPE A MEMBRANA "IDB 1400"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	95.0040.31.2	5	MEMBRANA	31	80.3209.10.2	1	ANELLO OR 2.62x40.95(OPT.)
1	95.0040.33.2	5	MEMBRANA VITON (OPT.)	32	84.0592.00.2	1	RACCORDO 90 D.40 OTTONE
1	95.0040.00.2	5	MEMBRANA DESMOPAN (OPT.)	32	84.0590.00.2	1	RACCORDO 90 D.40 PLAST.(OPT.)
1	95.0040.36.2	5	MEMBRANA HPS (OPT.)	33	82.0121.00.2	1	GALLETTO 2" GAS OTTONE
2	35.9802.97.3	10	GR.VALVOLA ASP.MAND.	33	82.0120.00.2	1	GALLETTO 2" GAS PLAST. (OPT.)
3	80.3262.00.2	10	ANELLO OR 3,53x41,28	34	80.1369.00.2	1	ANELLO ELASTICO D.52
4	35.0008.28.2	10	COPERCHIO VALVOLE	35	80.2178.10.2	1	ANELLO RADIALE
5	80.3251.00.2	10	ANELLO OR 3,53x32,93	36	86.2562.00.2	10	VITE M8x20 UNI5931
6	86.3265.00.2	20	VITE M10x25 UNI5931	37	28.0144.32.2	1	COPERCHIO SERBATOIO
7	48.0027.28.2	5	TESTATA POMPA	38	41.0017.31.2	1	MEMBRANA SERBATOIO
8	86.3947.00.2	30	VITE M12x40 UNI 5931	39	41.0016.32.2	1	SERBATOIO OLIO
9	49.0019.08.2	1	ATTACCO SERBATOIO	40	80.3209.40.2	1	ANELLO OR 2,62x44,12
10	49.9800.97.3	5	KIT VITE/PIATTELLO INOX	41	41.0015.09.0	1	CORPO SERBATOIO
11	49.0008.01.2	5	CAMICIA	42	80.3205.50.2	1	ANELLO OR 2,62x26,65
12	81.8514.00.2	10	FASCIA ELASTICA	43	85.2579.00.2	1	TAPPO G.3/8
13	49.0007.09.2	5	PISTONE	44	82.4109.00.2	1	GUARNIZIONE D.17X22X1
14	85.2007.00.2	5	SPINOTTO	45	49.0004.12.2	1	COLLETTORE MANDATA
15	80.0021.00.2	10	ANELLO D.15	46	84.5544.00.2	1	RUB. SFERA 3/8-1/2 DX
16	49.0001.08.2	1	CARTER POMPA	47	84.5544.10.2	1	RUB. SFERA 3/8-1/2 SX
17	80.1369.00.2	1	ANELLO ELASTICO D.52	48	86.4139.00.2	3	VITE M12x160 UNI 5737
18	80.2143.10.2	1	ANELLO RADIALE	49	85.2693.00.2	1	TAPPO G.3/4
19	81.2876.50.2	1	CUSCINETTO SFERE	50	80.3189.00.2	6	ANELLO OR 2.62x18.72
20	49.0011.01.2	1	DISTANZIALE	51	83.5063.00.2	1	RACCORDO CURVO 60° G 3/4 M-M
21	14.0015.76.2	2	ANELLO SERRAGGIO BIELLE	52	80.3204.00.2	5	ANELLO OR 2,62x23,81
22	49.0012.11.2	5	BIELLA SINGOLA	54	81.4706.00.2	3	DADO M12 FLANGIATO UNI5587
23	48.0008.41.2	1	DISTANZIALE ALBERO	55	49.0013.61.2	2	PIEDINO POMPA
25	41.0033.26.2	1	ALBERO ECCENTRICO "VD"	56	49.0021.53.2	2	RACCORDO PROLUNGA
26	81.2914.00.2	1	CUSCINETTO A SFERE	57	48.0004.09.2	1	SUPPORTO CUSCINETTO VM
27	80.3210.68.2	1	ANELLO OR 2,62x120,32	58	80.2264.10.2	1	ANELLO RADIALE D.68x90x10
28	48.0003.09.2	1	SUPPORTO CUSCINETTO	59	81.3020.00.2	1	CUSCINETTO A SFERE 6214
29	49.0003.12.2	1	COLLETTORE ASPIRAZIONE	60	48.0009.26.2	1	ALBERO ECCENTRICO "VM"
30	80.3180.00.2	1	ANELLO OR 2,62x15,08	82	86.3694.50.2	1	VITE M12x20
31	80.3265.00.2	1	ANELLO OR 3,53x46,04	83	82.4079.00.2	1	GUARNIZIONE D.13

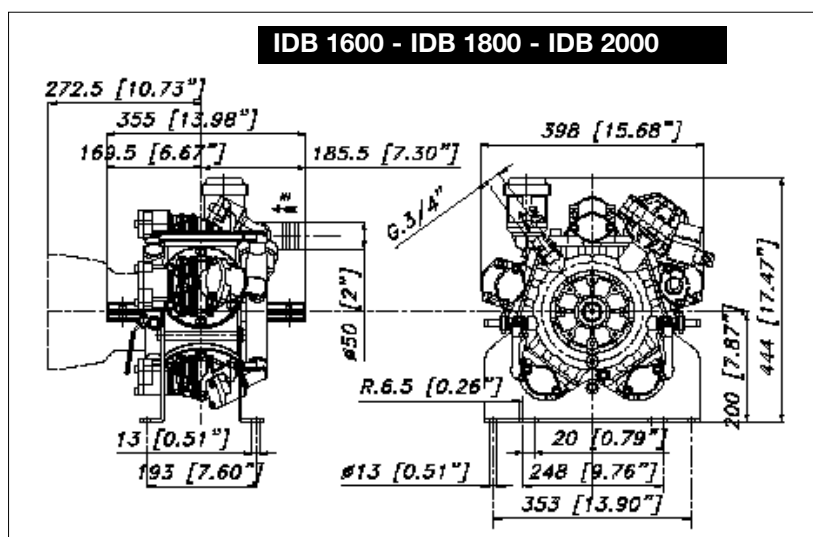
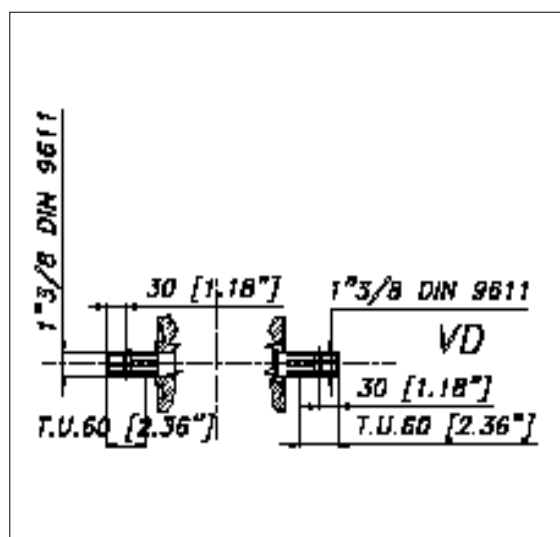
★ IN VITON REPLACE THE LAST 3 NUMBERS BY....50.2

IDB 1600 - IDB 1800 - IDB 2000



ALBERO POMPA - PUMP SHAFT

DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



Installazione e norme generali di sicurezza
Pag. 2

Installation and general safety information
Page 8

Istruzioni di manutenzione pompe a
membrana Pag. 5

Maintenance instructions for diaphragm
pumps Page 11

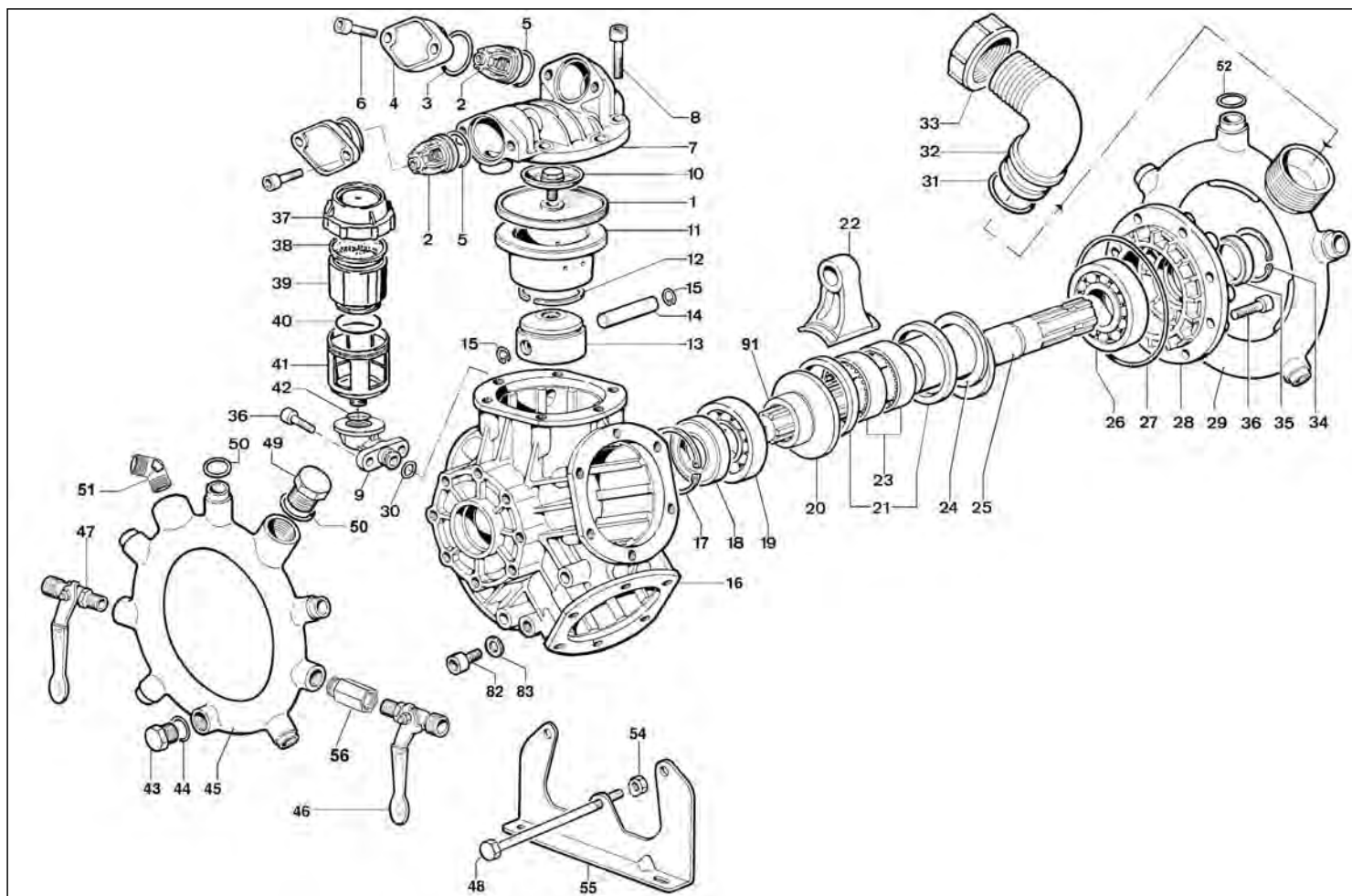
COPPIA DI SERRAGGIO - TORQUE CHART

CODICE CODE	Q.TY	N. POS.	IDB 1600 - IDB 1800 - IDB 2000	
			N.m	Lbr.ft
41.9835.97.3	5	10	25	18.5
81.4575.00.2	10	61	22	16.3
81.4705.00.2	3	54	68	50
81.4749.00.2	30	74	98	72.3
86.2547.00.2	2	80	10	7.4
86.2562.00.2	10	36	22	16.3
86.2785.00.2	10	59	22	16.3
86.3265.00.2	20	6	44	32.5
86.3694.50.2	1	82	40	29.5
86.3947.00.2	30	8	98	72.3
86.4139.00.2	3	48	68	50
TOLLERANZA DI SERRAGGIO:			0%	
TOLERANCE ON TORQUE VALUE:			- 10%	

KIT RICAMBI - SPARES KIT IDB 1600 - IDB 1800 - IDB 2000

KIT	CODICE PART NUMBER		49.9805.97.3		49.9806.97.3		49.9808.97.3		49.9809.97.3		49.9810.97.3		49.9812.97.3	
	DESCRIZIONE DESCRIPTION		KIT POMPA PUMP KIT		VAM VALVES ASSY		MEMBRANE BUNA - N DIAPHRAGMS		MEMBRANE DESMOPAN DIAPHRAGMS		MEMBRANE VITON DIAPHRAGMS		MEMBRANE PENTAX DIAPHRAGMS	
POSIZIONE ESPLOSO POSITION NUMBER		3	5	18	27	35	50	52	2	3	5	1	50	52
QUANTITÀ NEL KIT QUANTITIES INCLUDED		10	10	1	1	1	7	5	10	10	10	5	5	5

IDB 1600 - IDB 1800 - IDB 2000

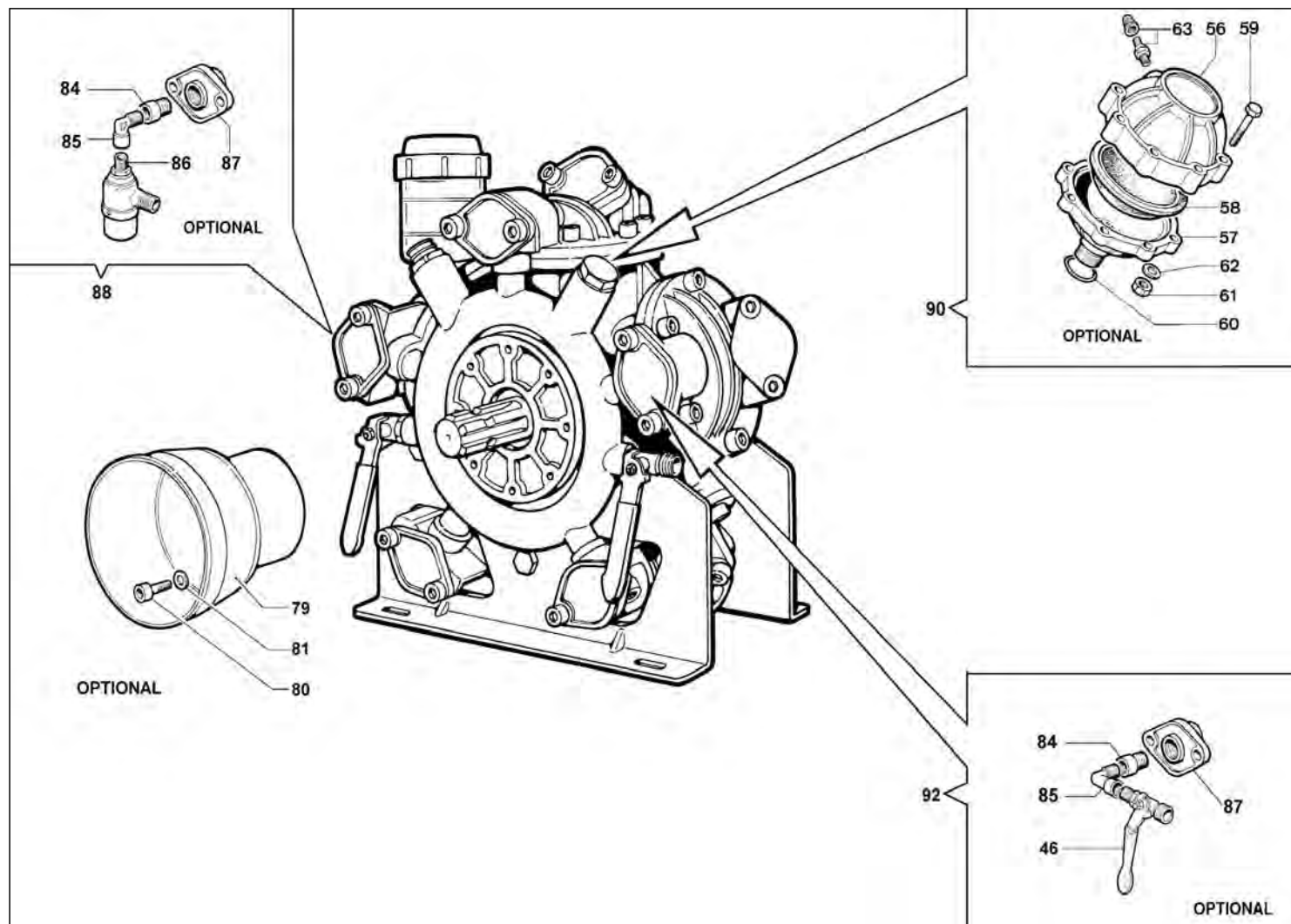


NOMENCLATURA RICAMBI POMPE A MEMBRANA "IDB 1600 - IDB 1800 - IDB 2000"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	95.0040.31.2	5	MEMBRANA	27	80.3210.68.2	1	ANELLO OR 2,62x120,32
1	95.0040.33.2	5	MEMBRANA VITON (OPT.)	28	48.0003.09.2	1	SUPPORTO CUSCINETTO
1	95.0040.00.2	5	MEMBRANA DESMOPAN (OPT.)	29	49.0003.12.2	1	COLLETTORE ASPIRAZIONE
1	95.0040.36.2	5	MEMBRANA HPS (OPT.)	30	80.3180.00.2	1	ANELLO OR 2,62x15,08
2	35.9802.97.3	10	GR.VALVOLA ASP.MAND.	31	80.3265.00.2	1	ANELLO OR 3,53x46,04 *
3	80.3262.00.2	10	ANELLO OR 3,53x41,28 *	31	80.3209.10.2	1	ANELLO OR 2,62x40,95 (OPT.)
4	35.0008.28.2	10	COPERCHIO VALVOLE	32	84.0611.00.2	1	RACCORDO 90 D.50 OTTONE
5	80.3251.00.2	10	ANELLO OR 3,53x32,93 *	32	84.0610.00.2	1	RACCORDO 90 D.50 PLAST. (OPT.)
6	86.3265.00.2	20	VITE M10x25 UNI5931	33	82.0121.00.2	1	GALLETTO 2"GAS OTTONE
7	48.0027.28.2	5	TESTATA POMPA	33	82.0120.00.2	1	GALLETTO 2"GAS PLAST.(OPT.)
8	86.3947.00.2	30	VITE M12x40 UNI 5931	34	80.1369.00.2	1	ANELLO ELASTICO D.52
9	49.0019.08.2	1	ATTACCO SERBATOIO	35	80.2178.10.2	1	ANELLO RADIALE
10	41.9835.97.3	5	KIT VITE/PIATTELLO INOX	36	86.2562.00.2	10	VITE TCEI M8x20 UNI5931
11	41.0026.01.2	5	CAMICIA (IDB 1600)	37	28.0144.32.2	1	COPERCHIO SERBATOIO
11	43.0015.01.2	5	CAMICIA (IDB 1800)	38	41.0017.31.2	1	MEMBRANA SERBATOIO
11	48.0029.01.2	5	CAMICIA (IDB 2000)	39	41.0016.32.2	1	SERBATOIO OLIO
12	81.8524.00.2	10	FASCIA ELASTICA (IDB 1600)	40	80.3209.40.2	1	ANELLO OR 2,62x44,12
12	81.8527.00.2	10	FASCIA ELASTICA (IDB 1800)	41	41.0015.09.0	1	CORPO SERBATOIO
12	81.8530.00.2	10	FASCIA ELASTICA (IDB 2000)	42	80.3205.50.2	1	ANELLO OR 2,62x26,65
13	41.0025.09.2	5	PISTONE (IDB 1600)	43	85.2579.00.2	1	TAPPO G.3/8
13	37.0016.09.2	5	PISTONE (IDB 1800)	44	82.4109.00.2	1	GUARNIZIONE D.17x22x1
13	48.0028.09.2	5	PISTONE (IDB 2000)	45	49.0004.12.2	1	COLLETTORE MANDATA
14	85.2007.00.2	5	SPINOTTO	46	84.5544.00.2	1	RUB. SFERA 3/8-1/2 DX
15	80.0021.00.2	10	ANELLO D.15	47	84.5544.10.2	1	RUB. SFERA 3/8-1/2 SX
16	49.0001.08.2	1	CARTER POMPA	48	86.4139.00.2	3	VITE M12x160 UNI 5737
17	80.1369.00.2	1	ANELLO ELASTICO D.52	49	85.2693.00.2	1	TAPPO G.3/4
18	80.2143.10.2	1	ANELLO RADIALE	50	80.3189.00.2	6	ANELLO OR 2,62x18,72 *
19	81.2876.50.2	1	CUSCINETTO SFERE	51	83.5063.00.2	1	RACCORDO CURVO 60° G 3/4 M-M
20	49.0009.61.2	1	DISTANZIALE ALBERO	52	80.3204.00.2	5	ANELLO OR 2,62x23,81 *
21	49.0010.41.2	2	ANELLO SERRAGGIO BIELLE	54	81.4706.00.2	3	DADO M12 FLANGIATO UNI5587
22	49.0005.11.2	5	BIELLA SINGOLA	55	49.0013.61.2	2	PIEDINO POMPA
23	81.2955.00.2	2	CUSCINETTO A RULLINI	56	49.0021.53.2	2	RACCORDO PROLUNGA
24	49.0002.61.2	1	DISTANZIALE ECCENTRICO	82	86.3694.50.2	1	VITE M12x20 UNI5931
25	49.0006.26.2	1	ALBERO ECCENTRICO "VD"	83	82.4079.00.2	1	GUARNIZIONE D.13
26	81.2914.00.2	1	CUSCINETTO A SFERE	91	49.0017.61.2	1	DISTANZIALE

* IN VITON REPLACE THE LAST 3 NUMBERS BY....50.2

IDB 1400 - 1600 - 1800 - 2000



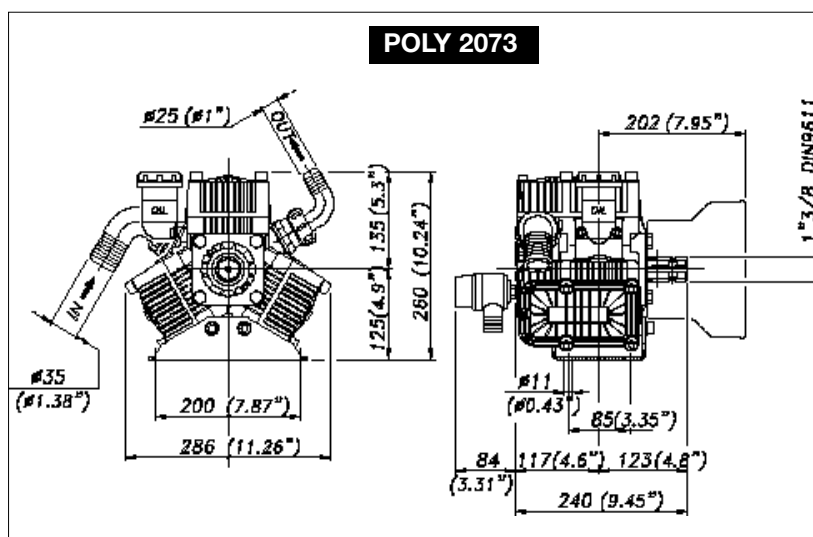
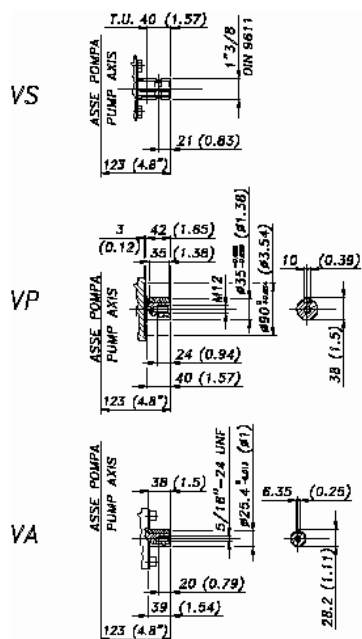
NOMENCLATURA RICAMBI POMPE A MEMBRANA "IDB 1400 - 1600 - 1800 - 2000"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
46	84.5544.00.2	1	RUB. SFERA 3/8-1/2 DX				
56	93.0003.09.2	1	ACCUMULATORE SUPERIORE				
57	48.0021.28.2	1	ACCUMULATORE INFERIORE 50 BAR				
58	93.0041.31.2	1	MEMBRANA ACCUMULATORE				
58	93.0041.33.2	1	MEMBRANA ACCUMULATORE VITON (OPT.)				
59	86.2785.00.2	10	VITE M8X40 UNI 5737				
60	80.3200.00.2	1	ANELLO OR 2,62x22,22				
61	81.4575.00.2	10	DADO M8 UNI5588				
62	84.3685.00.2	10	ROSETTA D.8,2x15x1,5 UNI1750				
63	86.1605.00.2	1	VALVOLA ARIA				
79	31.1482.32.2	1	CUFFIA DI PROTEZIONE L=180				
79	31.1468.32.2	1	CUFFIA DI PROTEZIONE L=135				
80	86.2547.00.2	2	VITE TCEI M8x18 UNI5931				
81	84.3696.00.2	2	ROSETTA D.8,4x18X2				
84	83.5033.00.2	1	RIDUZIONE G.1/2-G.3/8				
85	82.2044.50.2	1	GOMITO M/F G3/8				
86	24.3050.97.3	1	VALVOLA SICUREZZA 50bar				
87	35.0019.28.2	1	COPERCHIO VALVOLA MAND.1/2 F				
88	49.9804.97.3	1	GR. VALVOLA SICUREZZA				
90	48.9802.97.3	1	GR. ACCUMULATORE DI PRESSIONE				
92	49.9807.97.3	1	GR. COPERCHIO - RUBINETTO DX				

**IDROMECCANICA®
BERTOLINI**



DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS

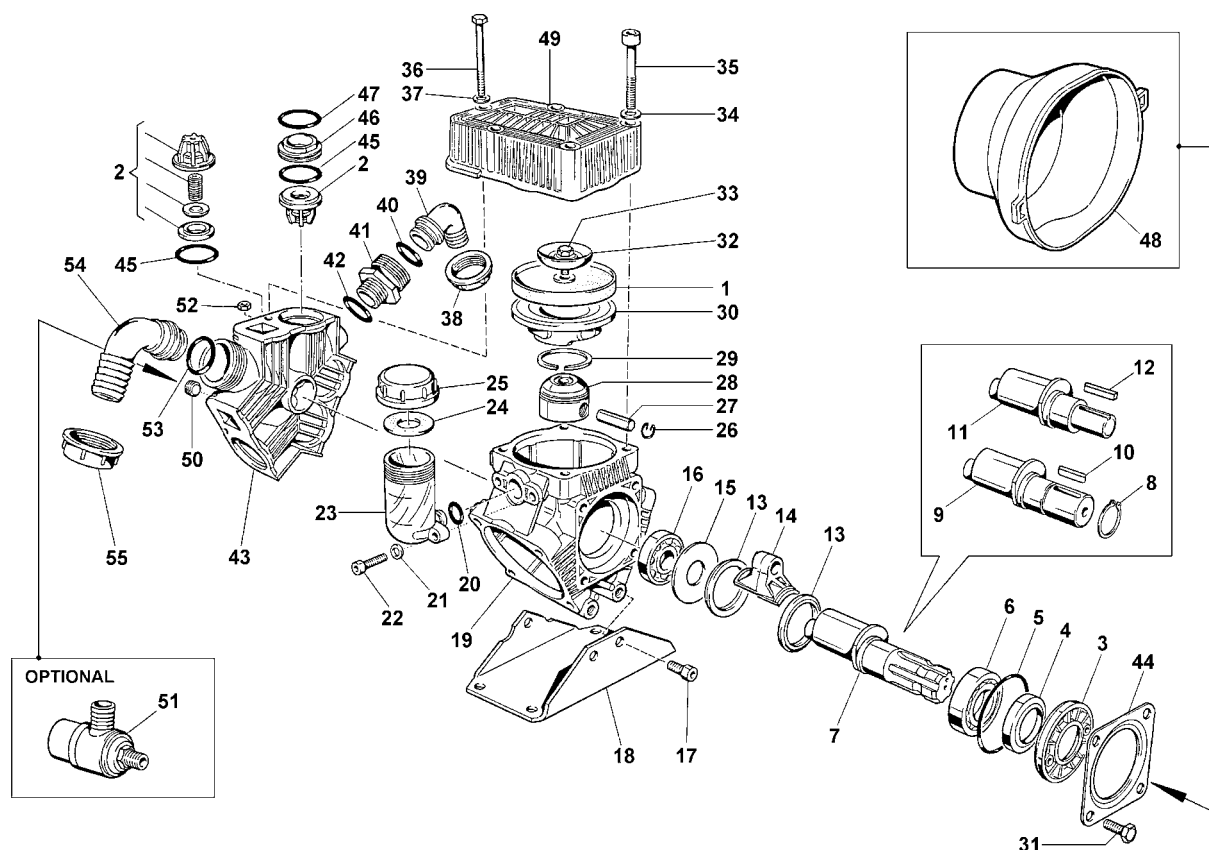


CODICE CODE	Q.TY	N. POS.	POLY 2073	
			N.m	Lbr.ft
63.0018.51.2	3	33	25	18.5
83.5089.00.2	1	41	20	14.8
85.2585.00.2	1	50	5 (LOXEAL 55-14)	3.7 (LOXEAL 55-14)
86.2682.50.2	2	22	5	3.7
86.3002.00.2	3	36	10	7.4
86.3184.00.2	4	31	22	16.3
86.3264.00.2	3	17	44	32.5
86.3562.50.2	12	35	30	22
TOLLERANZA DI SERRAGGIO:			0	
TOLERANCE ON TORQUE VALUE:			- 10%	

Maintenance instructions for diaphragm pumps Page 11

KIT	CODICE PART NUMBER		63.988097.3				63.9870.97.3			63.9872.97.3			63.9871.97.3			63.9873.97.3			63.9826.97.3				63.9825.97.3								
	DESCRIZIONE DESCRIPTION		KIT POMPA PUMP KIT				VAM VALVES ASSY			VAM INOX VALVES ASSY			MEMBRANE BUNA - N DIAPHRAGMS			MEMBRANE DESMOPAN DIAPHRAGMS			MEMBRANE VITON DIAPHRAGMS				MEMBRANE PENTAX DIAPHRAGMS								
POSIZIONE ESPLOSO POSITION NUMBER			5	4	45	47	2	45	47	2	45	47	1	45	47	1	45	47	1	45	47	42	1	45	47						
QUANTITÀ NEL KIT QUANTITIES INCLUDED			1	1	6	4	6	6	4	6	6	4	3	6	4	3	6	4	3	6	4	1	3	6	4						

POLY 2073



NOMENCLATURA RICAMBI POMPE A MEMBRANA "POLY 2073"

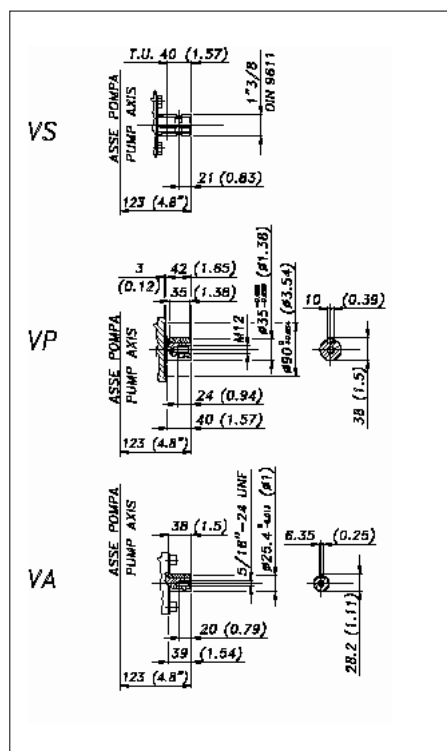
POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	95.0040.31.2	3	MEMBRANA PISTONE BUNA-N	30	63.0015.01.2	3	CAMICIA
1	95.0040.33.2	3	MEMBRANA PISTONE VITON (OPTIONAL)	31	86.3184.00.2	4	VITE TE M10x16 UNI5739
1	95.0040.00.2	3	MEMBRANA PISTONE DESMOPAN (OPTIONAL)	32	63.0017.68.2	3	PIATTELLO MEMBRANA INOX
2	28.9809.97.3	6	GR. VALVOLA A/M INOX	33	63.0018.51.2	3	VITE MEMBRANA
3	53.0007.32.2	1	SUPPORTO ANELLO TENUTA RADIALE	34	84.3801.50.2	12	ROSETTA D.10,5x21x2
4	80.2143.10.2	1	ANELLO RADIALE	35	86.3562.50.2	12	VITE TCEI M10x70 UNI5931 12.9
5	80.3310.00.2	1	ANELLO OR 4,0x82	36	86.3002.00.2	3	VITE TCEI M8x75 UNI5931
6	81.2837.00.2	1	CUSCINETTO SFERE	37	84.3693.00.2	3	ROSETTA D.8,4x17x1,6
7	63.0009.26.2	1	ALBERO ECCENTRICO "VS"	38	82.0067.50.2	1	GALLETTO G.1"1/4
8	80.1264.00.2	1	ANELLO D.35 PER ALBERO	39	84.0542.40.2	1	RACCORDO CURVO D.25
9	63.0011.26.2	1	ALBERO ECCENTRICO "VP"	40	80.3219.05.2	1	ANELLO OR 3,0x25 VITON
10	80.6578.00.2	1	LINGUETTA 10x8x35 "VP"	41	83.5089.00.2	1	NIPPLO G.1 - G.1"1/4
11	63.0016.26.2	1	ALBERO ECCENTRICO "VA"	42	80.3219.10.2	1	ANELLO OR 3x30
12	80.6475.00.2	1	LINGUETTA 6,36x6,36x40 "VA"	43	63.0003.32.2	1	COLLETTORE POLIPROPILENE
13	26.0047.76.2	2	ANELLO SERRAGGIO BIELLE	44	17.0016.61.2	1	COPERCHIO.
14	23.0005.09.2	3	BIELLA SINGOLA IN ALLUMINIO	45	80.3320.60.2	6	ANELLO OR 5,0x40
14	23.0045.11.2	3	BIELLA SINGOLA IN BRONZO (OPTIONAL)	46	28.0229.32.2	4	DISTANZIALE VALVOLE A/M
15	95.0097.61.2	1	DISTANZIALE ALBERO	47	80.3219.80.2	4	ANELLO OR 3,0x39
16	81.2646.00.2	1	CUSCINETTO SFERE	48	31.1468.32.2	1	CUFFIA DI PROTEZIONE (OPTIONAL)
17	86.3264.00.2	3	VITE TCEI M10x25 UNI5931	49	63.0022.32.2	3	TESTATA POLIPROPILENE
18	63.0006.61.2	1	PIEDE POMPA	50	85.2585.00.2	1	TAPPO CONICO EI G.3/8
19	63.0001.09.2	1	CARTER	51	24.3015.97.3	1	VALVOLA SICUREZZA 15BAR (OPTIONAL)
20	80.3180.00.2	1	ANELLO OR 2,62x15,08	52	81.4574.50.2	3	DADO M8 UNI5588
21	84.3685.50.2	2	ROSETTA D.8,2x15x1,5	53	80.3219.15.2	1	ANELLO OR 3,0x30 VITON
22	86.2682.50.2	2	VITE TCEI M8x25 UNI5931	54	84.0570.00.2	1	RACCORDO CURVO D.35
23	23.0008.32.2	1	SERBATOIO OLIO	54	84.0561.00.2	1	RACCORDO CURVO D.30 (OPTIONAL)
24	82.4120.00.2	1	GUARNIZIONE D.19x45x1,5	54	84.0566.00.2	1	RACCORDO CURVO D.32 (OPTIONAL)
25	85.2750.00.2	1	TAPPO SERBATOIO OLIO	54	84.0571.00.2	1	RACCORDO CURVO D.38 (OPTIONAL)
26	80.0021.00.2	6	ANELLO D.15	54	84.0591.00.2	1	RACCORDO CURVO D.40 (OPTIONAL)
27	85.2006.70.2	3	SPINOTTO D.15x46	55	82.0070.00.2	1	GALLETTO G.1"1/2
28	63.0014.09.2	3	PISTONE				
29	81.8504.50.2	3	FASCIA ELASTICA				

★ IN VITON REPLACE THE LAST 3 NUMBERS BY15.2

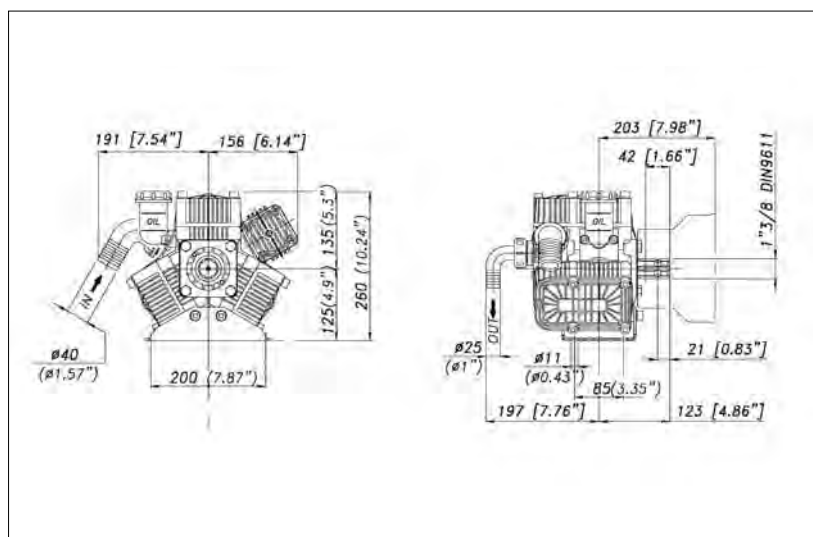
POLY 2100



ALBERO POMPA - PUMP SHAFT



DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



Installazione e norme generali di sicurezza
Pag. 2

Installation and general safety information
Page 8

Istruzioni di manutenzione pompe a
membrana Pag. 5

Maintenance instructions for diaphragm
pumps Page 11

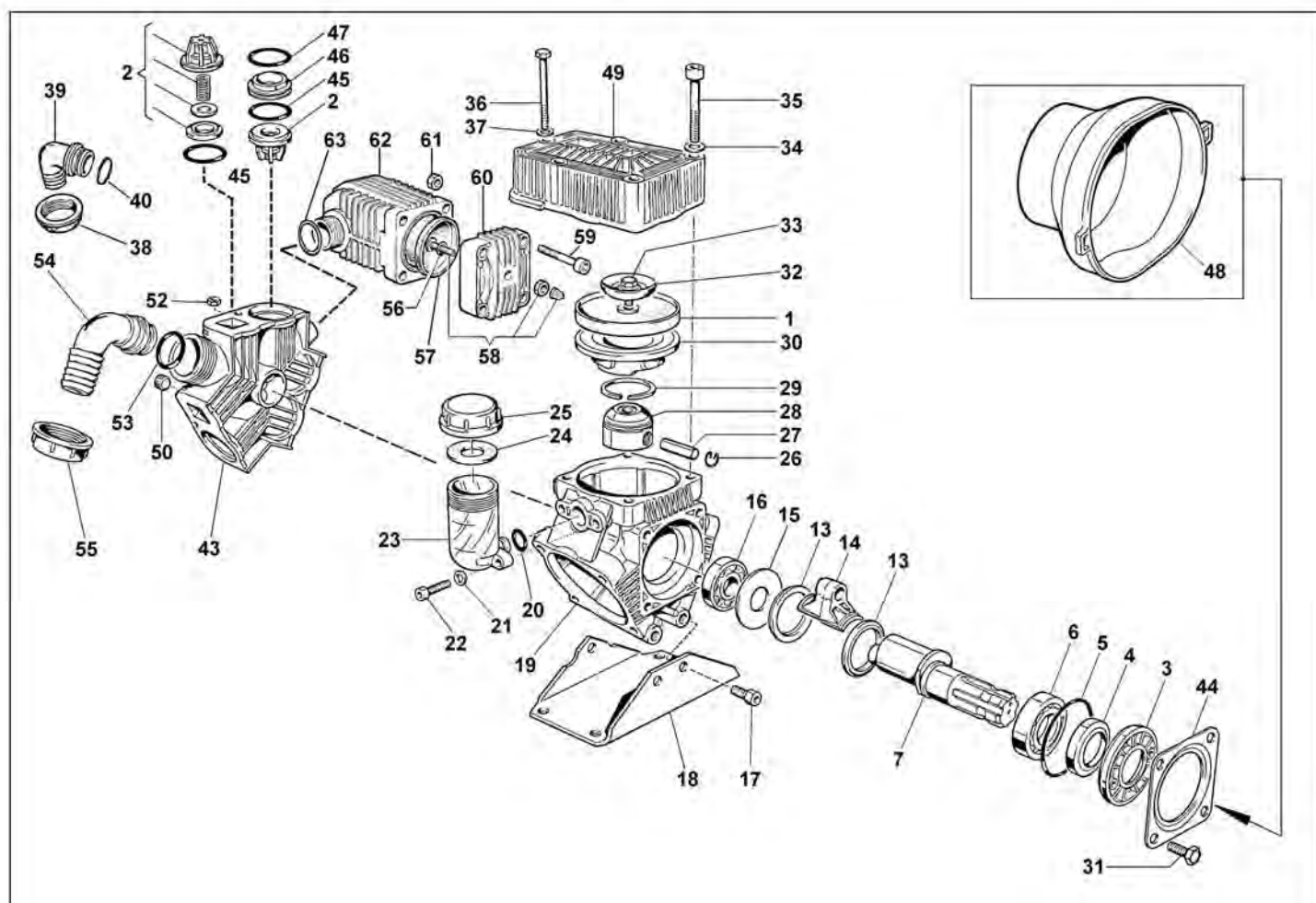
COPPIA DI SERRAGGIO - TORQUE CHART

CODICE CODE	Q.TY	N. POS.	POLY 2100	
			N.m	Lbr.ft
63.0018.51.2	3	33	25	18.5
83.5089.00.2	1	41	20	14.8
85.2585.00.2	1	50	5 (LOXEAL 55-14)	3.7 (LOXEAL 55-14)
86.2682.50.2	2	22	5	3.7
86.3002.00.2	3	36	10	7.4
86.3184.00.2	4	31	22	16.3
86.3264.00.2	3	17	44	32.5
86.3562.50.2	12	35	30	22
TOLLERANZA DI SERRAGGIO:			0	
TOLERANCE ON TORQUE VALUE:			- 10%	

KIT RICAMBI - SPARES KIT POLY 2100

KIT	CODICE PART NUMBER		63.988097.3	63.9870.97.3	63.9872.97.3	63.9871.97.3	63.9873.97.3	63.9826.97.3	63.9825.97.3		
	DESCRIZIONE DESCRIPTION		KIT POMPA PUMP KIT	VAM VALVES ASSY	VAM INOX VALVES ASSY	MEMBRANE BUNA - N DIAPHRAGMS	MEMBRANE DESMOPAN DIAPHRAGMS	MEMBRANE VITON DIAPHRAGMS	MEMBRANE PENTAX DIAPHRAGMS		
	POSIZIONE ESPLOSO POSITION NUMBER		5 4 45 47	2 45 47	2 45 47	1 45 47	1 45 47	1 45 47 42	1 45 47		
	QUANTITÀ NEL KIT QUANTITIES INCLUDED		1 1 6 4	6 6 4	6 6 4	3 6 4	3 6 4	3 6 4 1	3 6 4		

POLY 2100



NOMENCLATURA RICAMBI POMPE A MEMBRANA "POLY 2100"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	95.0040.31.2	3	MEMBRANA PISTONE BUNA-N	33	63.0018.51.2	3	VITE MEMBRANA
1	95.0040.31.2	3	MEMBRANA PISTONE	34	84.3801.50.2	12	ROSETTA D.10,5x21x2
1	95.0040.33.2	3	MEMBRANA PISTONE VITON (OPTIONAL)	35	86.3562.50.2	12	VITE TCEI M10x70 UNI5931 12.9
1	95.0040.00.2	3	MEMBRANA PISTONE DESMOPAN (OPTIONAL)	36	86.3002.00.2	3	VITE TCEI M8x75 UNI5931
2	28.9809.97.3	6	GR. VALVOLA A/M INOX	37	84.3693.00.2	3	ROSETTA D.8,4x17x1,6
3	53.0007.32.2	1	SUPPORTO ANELLO TENUTA RADIALE	38	82.0067.50.2	1	GALLETTO G.1"1/4
4	80.2143.10.2	1	ANELLO RADIALE D.35x52x7	39	84.0542.40.2	1	RACCORDO CURVO D.25
5	80.3310.00.2	1	ANELLO OR 4,0x82	40	80.3219.05.2	1	ANELLO OR 3,0x25 VITON
6	81.2837.00.2	1	CUSCINETTO SFERE 35x62x14	43	63.0102.32.2	1	COLLETTORE A/M POLY 100S
7	63.0009.26.2	1	ALBERO ECCENTRICO "VS"	44	17.0016.61.2	1	COPERCHIO P.D.F.
13	26.0047.76.2	2	ANELLO SERRAGGIO BIELLE	45	80.3320.60.2	6	ANELLO OR 5,0x40 *
14	23.0005.09.2	3	BIELLA SINGOLA ALLUMINIO	46	28.0229.32.2	4	DISTANZIALE VALVOLE A/M
15	95.0097.61.2	1	DISTANZIALE ALBERO	47	80.3219.80.2	4	ANELLO OR 3,0x39 ■
16	81.2646.00.2	1	CUSCINETTO SFERE 20x52x15	48	31.1468.32.2	1	CUFFIA DI PROTEZIONE
17	86.3264.00.2	3	VITE TCEI M10x25 UNI5931	49	63.0022.32.2	3	TESTATA POLIPROPILE
18	63.0006.61.2	1	PIEDE POMPA	50	85.2585.00.2	1	TAPPO CONICO EI G.3/8
19	63.0101.09.2	1	CARTER POMPA POLY 100-S	52	81.4574.50.2	3	DADO M8 UNI5588
20	80.3180.00.2	1	ANELLO OR 2,62x15,08	53	80.3219.15.2	1	ANELLO OR 3,0x30 VITON
21	84.3685.50.2	2	ROSETTA D.8,2x15x1,5	54	84.0591.00.2	1	RACCORDO CURVO D.40
22	86.2682.50.2	2	VITE TCEI M8x25 UNI5931	55	82.0070.00.2	1	GALLETTO G.1"1/2
23	23.0008.32.2	1	SERBATOIO OLIO	56	80.3213.00.2	1	ANELLO OR 3,0x6
24	82.4120.00.2	1	GUARNIZIONE D.19x45x1,5	57	23.0041.31.2	1	MEMBRANA ACCUMULATORE
25	85.2750.00.2	1	TAPPO SERBATOIO OLIO	58	86.1608.50.2	1	VALVOLA ARIA COMPLETA
26	80.0021.00.2	6	ANELLO D.15	59	86.2752.10.2	4	VITE TCEI M8x35 UNI5931 DACROMET
27	85.2006.70.2	3	SPINOTTO D.15x46	60	11.0004.09.2	1	CALOTTA ACCUMULATORE ANODIZZ.NERA
28	63.0103.09.2	3	PISTONE D.66	61	81.4574.50.2	4	DADO M8 UNI5588 DACROMET
29	81.8524.00.2	3	FASCIA ELASTICA D.66	62	27.0035.32.2	1	CORPO ACCUMULATORE
30	63.0104.01.2	3	CAMICIA D.66	63	80.3207.50.2	1	ANELLO OR 2,62x29,82 VITON
31	86.3187.50.2	4	VITE TCEI M10x18 UNI5931				
32	41.0054.68.2	3	PIATTELLO MEMBRANA INOX D.58				

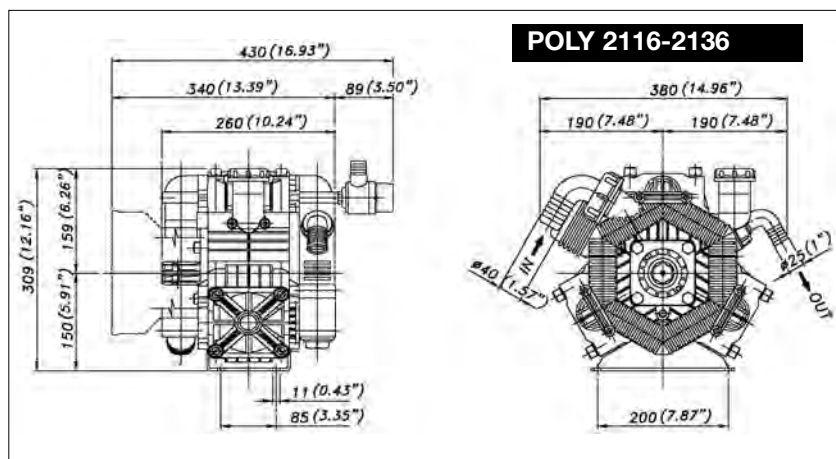
* IN VITON REPLACE THE LAST 3 NUMBERS BY.....70.2

■ IN VITON REPLACE THE LAST 3 NUMBERS BY.....90.2

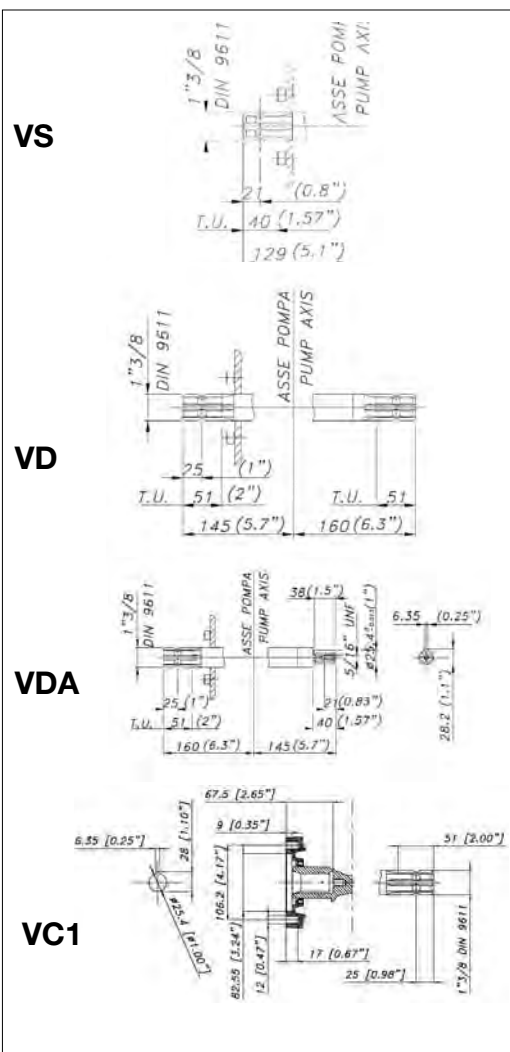
POLY 2116-2136



DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



ALBERO POMPA - PUMP SHAFT



Installazione e norme generali di sicurezza
Pag. 2

Installation and general safety information
Page 8

Istruzioni di manutenzione pompe a
membrana Pag. 5

Maintenance instructions for diaphragm
pumps Page 11

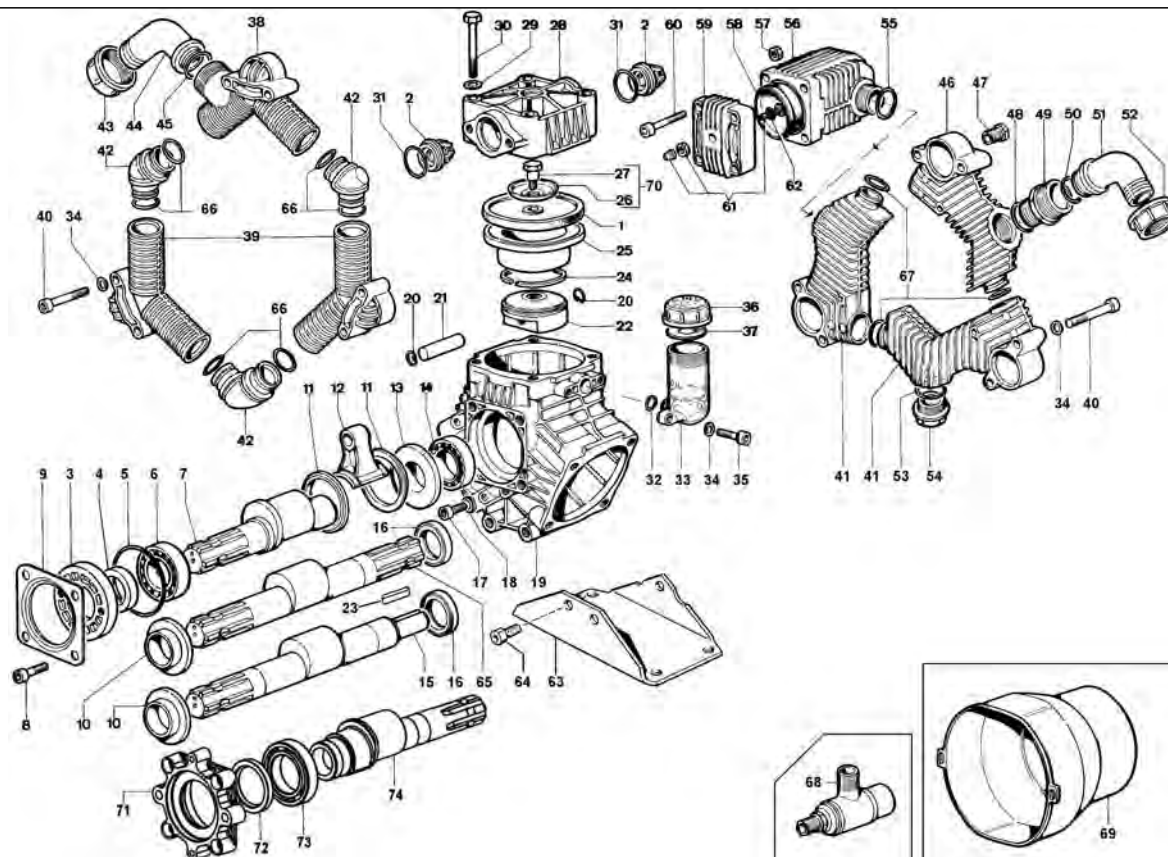
COPPIA DI SERRAGGIO - TORQUE CHART

CODICE CODE	Q.TY	N. POS.	POLY 2116-2136	
			N.m	Lbr.ft
62.0021.51.2	3	27	25	18.4
83.5089.00.2	1	49	20	14.7
85.2720.00.2	1	54	20	14.7
85.2576.00.2	1	47	5 (LOXEAL 24-18)	3.7 (LOXEAL 24-18)
86.2960.00.2	12	40	8	5.9
86.3187.00.2	4	8	25	18.4
86.3264.00.2	3	64	44	32.4
86.4068.00.2	12	30	40	29.5
86.3694.50.2	1	17	40	29.5
86.2682.50.2	2	35	5	3.7
86.2752.10.2	4	60	10	7.4
TOLLERANZA DI SERRAGGIO:			0	
TOLERANCE ON TORQUE VALUE:			- 10%	

KIT RICAMBI - SPARES KIT POLY 2116 - 2136

KIT	CODICE PART NUMBER	62.9803.97.3					62.9804.97.3		62.9805.97.3		62.9806.97.3			62.9807.97.3			62.9809.97.3							62.9812.97.3						
	DESCRIZIONE DESCRIPTION	KIT POMPA PUMP KIT					VAM VALVES ASSY		VAM INOX VALVES ASSY		MEMBRANE BUNA - N DIAPHRAGMS			MEMBRANE DESMOPAN DIAPHRAGMS			MEMBRANE VITON DIAPHRAGMS							MEMBRANE PENTAX DIAPHRAGMS						
POSIZIONE ESPLOSO POSITION NUMBER		4	5	31	66	67	2	31	2	31	1	31	58	1	31	58	1	31	58	48	53	55	66	67	1	31	58			
QUANTITÀ NEL KIT QUANTITIES INCLUDED		1	1	6	6	3	6	6	6	6	3	6	1	3	6	1	3	6	1	1	1	1	6	3	3	6	1			

POLY 2116-2136



NOMENCLATURA RICAMBI POMPE A MEMBRANA "POLY 2116-2136"

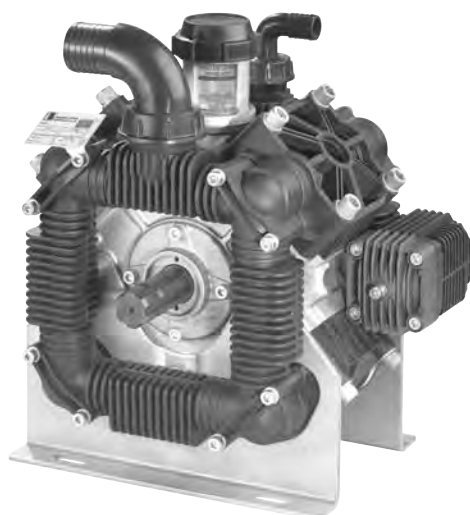
POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	62.0040.00.2	3	MEMBRANA DESMOPAN	37	82.4120.00.2	1	GUARNIZIONE D.19x45x1,5
1	62.0040.31.2	3	MEMBRANA BUNA-N (OPTIONAL)	38	62.0004.32.2	1	TUBO COLLETT. ASPIRAZ. G1"1/2
1	62.0040.33.2	3	MEMBRANA VITON (OPT.)	39	62.0003.32.2	2	TUBO COLLETT. ASPIRAZ.
1	62.0040.36.2	3	MEMBRANA HPS (OPT.)	40	86.2960.00.2	12	VITE TCEI M8x65 UNI5931
2	28.9809.97.3	6	GR. VALVOLA A/M INOX	41	62.0002.32.2	2	TUBO COLLETT. MANDATA
3	53.0007.32.2	1	SUPPORTO ANELLO TENUTA RADIALE	42	62.0007.32.2	3	CURVA COLLETT. ASPIRAZIONE
4	80.2143.10.2	1	ANELLO RADIALE D.35x52x7	43	82.0070.00.2	1	GALLETTO G.1"1/2
5	80.3310.00.2	1	ANELLO OR 4,0x82	44	84.0591.00.2	1	RACCORDO CURVO D.40
6	81.2846.00.2	1	CUSCINETTO SFERE 35x72x17	44	84.0571.00.2	1	RACCORDO CURVO D.38 (OPTIONAL)
7	62.0010.26.2	1	ALBERO "VS"	45	80.3219.10.2	1	ANELLO OR 3,0x30
8	86.3187.50.2	4	VITE TCEI M10x18 UNI5931	46	62.0031.32.2	1	TUBO COLLETT. MANDATA G.3/8
8	86.3264.00.2	4	VITE TCEI M10x25 UNI5931 (VC)	47	85.2576.00.2	1	TAPPO G.3/8
9	17.0016.61.2	1	COPERCHIO P.D.F.	48	80.3219.10.2	1	ANELLO OR 3,0x30
10	62.0029.09.2	1	DISTANZIALE ALBERO "VD"- "VDA"	49	83.5089.00.2	1	NIPPOLO G.1"-G.1"1/4
11	98.0047.76.2	2	ANELLO BIELLE	50	80.3219.00.2	1	ANELLO OR 3,0x25
12	62.0008.11.2	3	BIELLA SINGOLA	51	84.0542.40.2	1	RACCORDO CURVO D.25
13	28.0027.09.2	1	DISTANZIALE ALBERO	51	84.1608.40.2	1	RACCORDO DIRITTO D.25 (OPTIONAL)
14	81.2837.00.2	1	CUSCINETTO SFERE 35x62x14	52	82.0067.50.2	1	GALLETTO G.1"1/4
15	62.0027.26.2	1	ALBERO "VDA"	53	80.3206.00.2	1	ANELLO OR 2,62x28,25
16	80.2143.10.2	1	ANELLO RADIALE D.35x52x7	54	85.2720.00.2	1	TAPPO G.1"
17	86.3694.50.2	1	VITE TCEI M12x20 UNI5931	55	80.3219.10.2	1	ANELLO OR 3,0x30
18	82.4079.00.2	1	GUARNIZIONE D.13,2x17x1	56	27.0035.32.2	1	CORPO ACCUMULATORE
19	62.0001.09.2	1	CARTER POMPA "VS"	57	81.4574.50.2	4	DADO M8 UNI5588
19	62.0030.09.2	1	CARTER POMPA "VD"- "VDA"- "VC"	58	23.0041.31.2	1	MEMBRANA ACCUMULATORE
20	80.0021.00.2	6	ANELLO D.15 X FORO	58	23.0041.36.2	1	MEMBRANA ACCUMULATORE HPS
21	85.2006.70.2	3	SPINOTTO D.15x46	58	23.0041.33.2	1	MEMBRANA ACCUMULATORE VITON
22	62.0018.09.2	3	PISTONE D.78 (POLY 2136)	59	11.0004.09.2	1	CALOTTA ACCUMULATORE
22	63.0013.09.2	3	PISTONE D.72 (POLY 2116)	60	86.2752.10.2	4	VITE TCEI M8x35 UNI5931
23	80.6475.00.2	1	LINGUETTA 6,36x6,36x40	61	86.1608.50.2	1	VALVOLA ARIA COMPLETA
24	81.8540.00.2	3	FASCIA ELASTICA D.78(POLY 2136)	62	80.3213.00.2	1	ANELLO OR 3,0x6
24	81.8530.00.2	3	FASCIA ELASTICA D.72 (POLY 2116)	63	63.0006.61.2	1	PIEDE POMPA
25	62.0019.01.2	3	CAMICIA D.78 (POLY 2136)	64	86.3264.00.2	3	VITE TCEI M10x25 UNI5931
25	62.0005.01.2	3	CAMICIA D.72 (POLY 2116)	65	62.0024.26.2	1	ALBERO "VD"
26	41.0054.68.2	3	PIATTELLO MEMBR.INOX D58 (POLY2116)	66	80.3206.00.2	6	ANELLO OR 2,62x28,25
27	62.0021.51.2	3	VITE FISS. MEMBRANA (POLY2116)	67	80.3217.50.2	3	ANELLO OR 3.0x19
28	62.0025.32.2	3	TESTATA	68	24.3015.97.3	1	VALVOLA SICUREZZA 15bar (OPTIONAL)
29	84.3844.50.2	12	ROSETTA D.12,2x21x2,5 UNI1750	69	31.1468.32.2	1	CUFFIA PROTEZ. L=135 (OPTIONAL)
30	86.4068.00.2	12	VITE TCEI M12x75 UNI5931	69	31.1482.32.2	1	CUFFIA PROTEZ. L=180 (OPTIONAL)
31	80.3314.00.2	6	ANELLO OR 4,5x40	70	62.9811.97.3	3	KIT VITE/PIATTELLO INOX (POLY 2136)
32	80.3180.00.2	1	ANELLO OR 2,62x15,08	71	62.0107.07.2	1	SUPPORTO CUSCINETTO (VC)
33	23.0008.32.2	1	SERBATOIO OLIO	72	80.2191.10.2	1	ANELLO RADIALE 45x62x7 (VC)
34	84.3685.50.2	14	ROSETTA D.8,2x15x1,5 UNI1750	73	81.2933.00.2	1	CUSCINETTO A SFERE 6009 45x75x16(VC)
35	86.2682.50.2	2	VITE TCEI M8x25 UNI5931	74	62.0108.26.2	1	ALBERO "VC"
36	85.2750.00.2	1	TAPPO SERB. OLIO				

★ IN VITON REPLACE THE LAST 3 NUMBERS BY....50.2

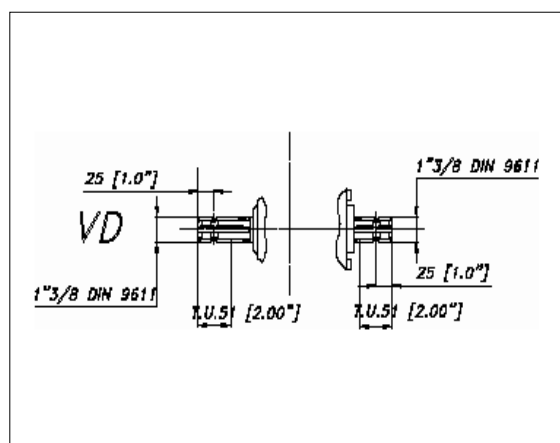
◎ IN VITON REPLACE THE LAST 3 NUMBERS BY....15.2

■ IN VITON REPLACE THE LAST 3 NUMBERS BY....60.2

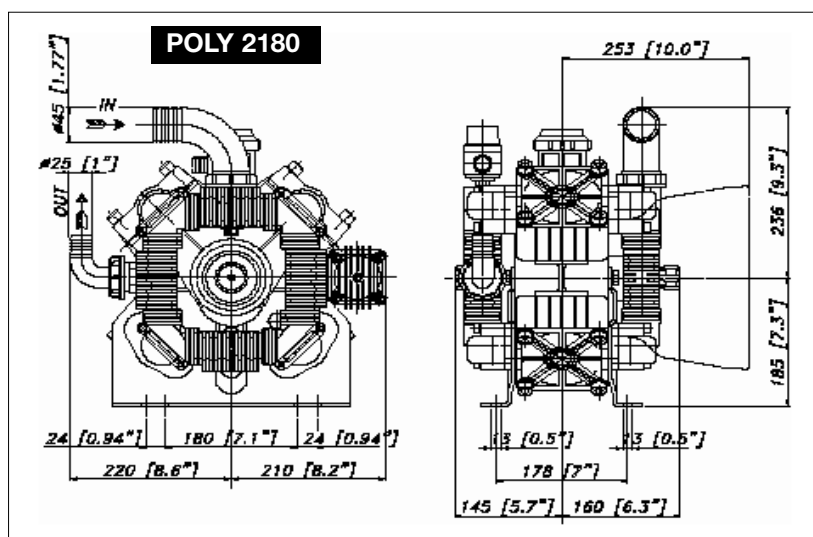
POLY 2180



ALBERO POMPA - PUMP SHAFT



DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



Installazione e norme generali di sicurezza
Pag. 2

Installation and general safety information
Page 8

Istruzioni di manutenzione pompe a
membrana Pag. 5

Maintenance instructions for diaphragm
pumps Page 11

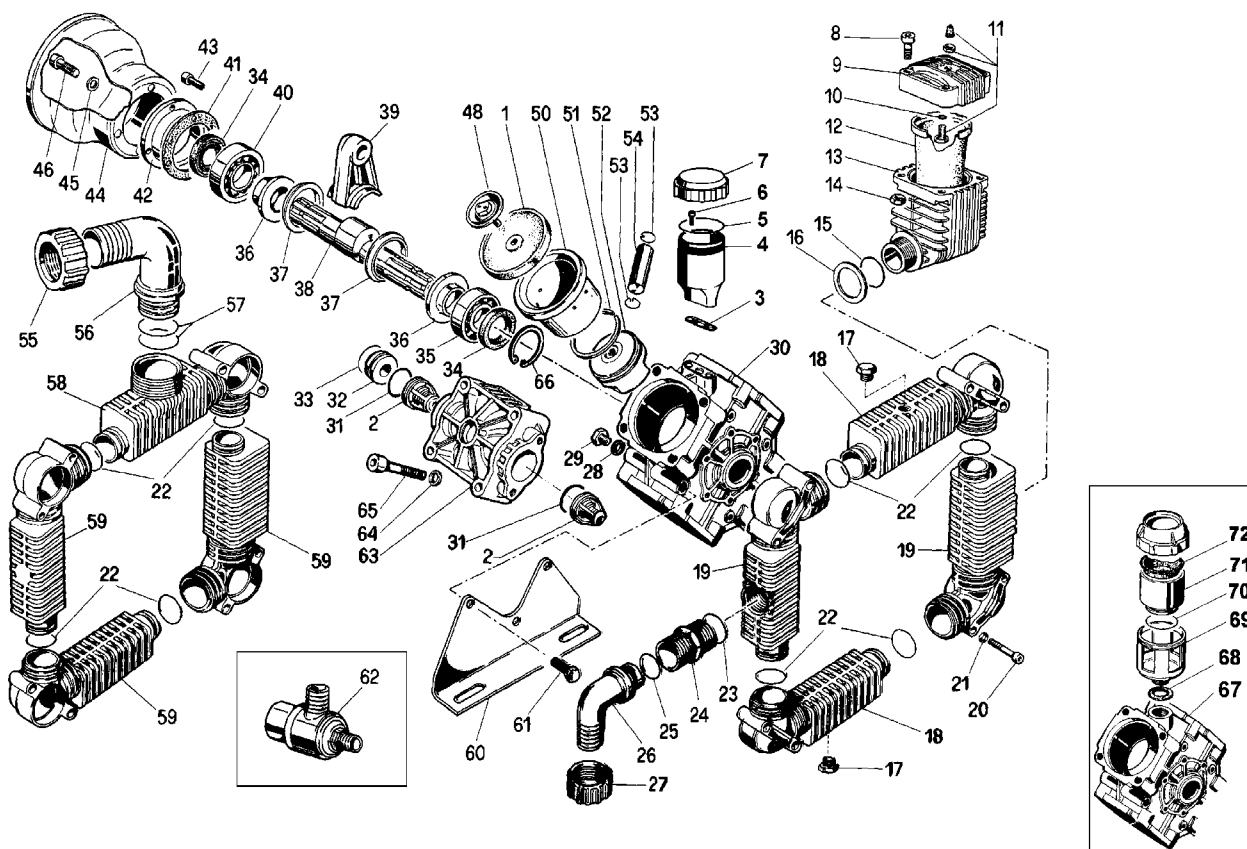
COPPIA DI SERRAGGIO - TORQUE CHART

CODICE CODE	Q.TY	N. POS.	POLY 2180	
			N.m	Lbr.ft
62.9811.97.3	4	48	25	18.4
86.2216.00.2	2	6	8 (LOXEAL 24-18)	5.9 (LOXEAL 24-18)
86.3694.50.2	1	29	40	29.5
85.2576.00.2	2	17	5 (LOXEAL 24-18)	3.7 (LOXEAL 24-18)
86.2562.50.2	4	43	22	16.3
86.2682.50.2	2	46	22	16.3
86.2960.00.2	16	20	10	7.4
86.3277.00.2	6	61	40	29.5
86.4068.00.2	20	65	40	29.5
TOLLERANZA DI SERRAGGIO:			0	
TOLERANCE ON TORQUE VALUE:			- 10%	

KIT RICAMBI - SPARES KIT POLY 2180

KIT	CODICE PART NUMBER		28.9883.97.3	28.9884.97.3	28.9885.97.3	28.9886.97.3	28.9887.97.3	28.9889.97.3	28.9897.97.3				
	DESCRIZIONE DESCRIPTION		KIT POMPA PUMP KIT	VAM VALVES ASSY	VAM INOX VALVES ASSY	MEMBRANE BUNA - N DIAPHRAGMS	MEMBRANE DESMOPAN DIAPHRAGMS	MEMBRANE VITON DIAPHRAGMS	MEMBRANE PENTAX DIAPHRAGMS				
POSIZIONE ESPLOSO POSITION NUMBER		22	31	34	41	33	2	31	33	2	31	33	
QUANTITÀ NEL KIT QUANTITIES INCLUDED		8	8	2	1	4	8	8	4	8	8	4	

POLY 2180



NOMENCLATURA RICAMBI POMPE A MEMBRANA "POLY 2180"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	62.0040.00.2	4	MEMBRANA DESMOPAN	38	62.0024.26.2	1	ALBERO "VD"
1	62.0040.31.2	4	MEMBRANA BUNA - N (optional)	39	28.0033.11.2	4	BIELLA SINGOLA IN BRONZO
1	62.0040.33.2	4	MEMBRANA VITON (optional)	40	81.2867.00.2	1	CUSCINETTO SFERE 35x80x21
2	28.9809.97.3	8	GR.VALVOLA A/M INOX	41	98.0110.72.2	1	GUARNIZIONE
3	14.0017.72.2	1	GUARNIZIONE	42	98.0108.09.2	1	COPERCHIO
4	14.0012.32.2	1	CORPO SERBATOIO	43	86.2562.50.2	4	VITE TCEI M8x20 UNI5931
5	80.3109.20.2	1	ANELLO OR 1,8x67	44	31.1482.32.2	1	CUFFIA DI PROTEZIONE L=180 (optional)
6	86.2216.00.2	2	VITE TCEI M6x25 UNI5931	44	31.1468.32.2	1	CUFFIA PROTEZIONE L=135 (optional)
7	28.0144.32.2	1	COPERCHIO SERBATOIO	45	84.3710.00.2	4	ROSETTA D.9x24x2 (optional)
8	86.2752.10.2	4	VITE TCEI M8x35 UNI5931	46	86.2682.50.2	4	VITE TCEI M8x25 UNI5931 (optional)
9	11.0004.09.2	1	CALOTTA ACCUMULATORE	48	62.9811.97.3	4	KIT VITE/PIATELLO D. 65
10	80.3213.00.2	1	ANELLO OR 3,0x6	50	62.0019.01.2	4	CAMICIA D.78
11	86.1608.50.2	1	VALVOLA ARIA COMPLETA	51	81.8540.00.2	4	FASCIA ELASTICA D.78
12	23.0041.31.2	1	MEMBRANA ACCUMULATORE	52	62.0018.09.2	4	PISTONE D.78
12	23.0041.33.2	1	MEMBRANA ACC. VITON (optional)	53	80.0021.00.2	8	ANELLO D.15 X FORO
13	27.0035.32.2	1	CORPO ACCUMULATORE	54	85.2006.70.2	4	SPINOTTO D.15x46
14	81.4574.50.2	4	DADO M8 UNI5588	55	82.0120.00.2	1	GALLETTO G.2
15	80.3247.50.2	1	ANELLO OR 3,53x28,17	56	84.0596.00.2	1	RACCORDO CURVO D.45
16	27.0037.46.2	1	ANELLO DISTANZIALE	56	84.1642.80.2	1	RACCORDO DIRITTO D.45 (optional)
17	85.2576.00.2	2	TAPPO G.3/8	56	84.1643.00.2	1	RACCORDO DIRITTO D.50 (optional)
18	28.0074.32.2	2	TUBO COLLETTORE G.3/8	56	84.0610.00.2	1	RACCORDO CURVO D.50 (optional)
19	28.0071.32.2	2	TUBO COLLETTORE G.1	57	80.3209.10.2	2	ANELLO OR 2,62x40,95
20	86.2960.00.2	16	VITE TCEI M8x65 UNI5931	58	28.0072.32.2	1	TUBO COLLETTORE G.2
21	84.3685.50.2	16	ROSETTA D.8,2x15x1,5 UNI1750	59	28.0070.32.2	3	TUBO COLLETTORE A-M
22	80.3250.00.2	8	ANELLO OR 3,53x31,34	60	28.0021.61.2	2	PIEDINO POMPA
23	80.3219.10.2	1	ANELLO OR 3,0x30	61	86.3277.00.2	6	VITE TE M10x30 UNI5739
24	83.5089.00.2	1	NIPPLO G.1 - G.1"1/4	62	24.3015.97.3	1	VALVOLA SICUREZZA 15 BAR (optional)
25	80.3219.00.2	1	ANELLO OR 3,0x25	63	62.0025.32.2	4	TESTATA
26	84.0542.40.2	1	RACCORDO CURVO D.25	64	84.3844.50.2	16	ROSETTA D.12,2x21x2,5 UNI1750
26	84.0560.00.2	1	RACCORDO CURVO D.30 (optional)	65	86.4068.00.2	16	VITE TCEI M12x75 UNI5931
26	84.0565.00.2	1	RACCORDO CURVO D.32 (optional)	66	80.1369.00.2	1	ANELLO ELASTICO D.52
27	82.0067.50.2	1	GALLETTO G.1"1/4	67	28.0003.07.2	1	CARTER POMPA fino al 04/00
28	82.4079.00.2	1	GUARNIZIONE D 13,2x17x1	68	82.4191.00.2	1	GUARNIZIONE D.27x38x2 fino al 04/00
29	86.3694.50.2	1	VITE TCEI M12x20 UNI5931	69	41.0015.09.0	1	CORPO SERBATOIO OLIO fino al 04/00
30	28.0003.09.2	1	CARTER POMPA	70	80.3209.40.2	1	ANELLO OR 2,62x44,12 fino al 04/00
31	80.3314.00.2	8	ANELLO OR 4,5x40	71	41.0016.32.2	1	SERBATOIO OLIO fino al 04/00
32	28.0229.32.2	4	DISTANZIALE VALVOLA	72	41.0017.31.2	1	MEMBRANA SERBATOIO fino al 04/00
33	80.3209.40.2	4	ANELLO OR 2,62x44,12				
34	80.2143.10.2	2	ANELLO RADIALE D.35x52x7				
35	81.2846.00.2	1	CUSCINETTO SFERE 35x72x17				
36	28.0027.09.2	2	DISTANZIALE ALBERO				
37	98.0047.76.2	2	ANELLO BIELLE				

* IN VITON REPLACE THE LAST 3 NUMBERS BY....50.2

⊙ IN VITON REPLACE THE LAST 3 NUMBERS BY....10.2

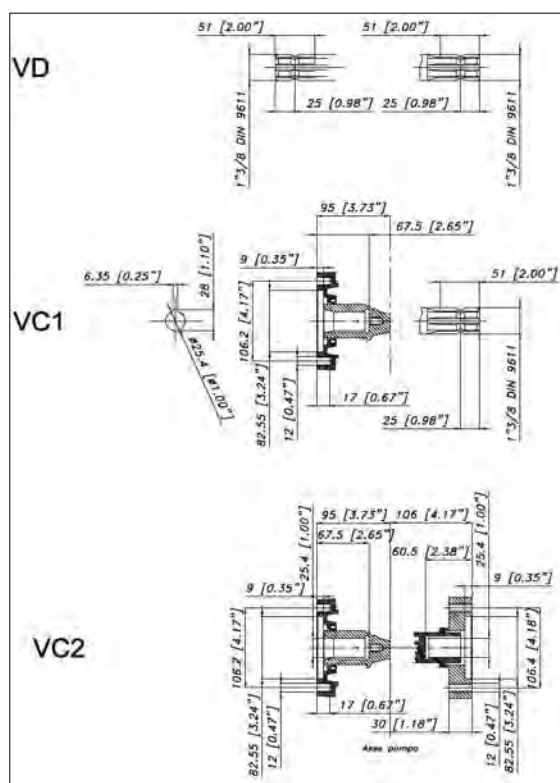
Δ IN VITON REPLACE THE LAST 3 NUMBERS BY....15.2

■ IN VITON REPLACE THE LAST 3 NUMBERS BY....60.2

POLY 2210



ALBERO POMPA - PUMP SHAFT



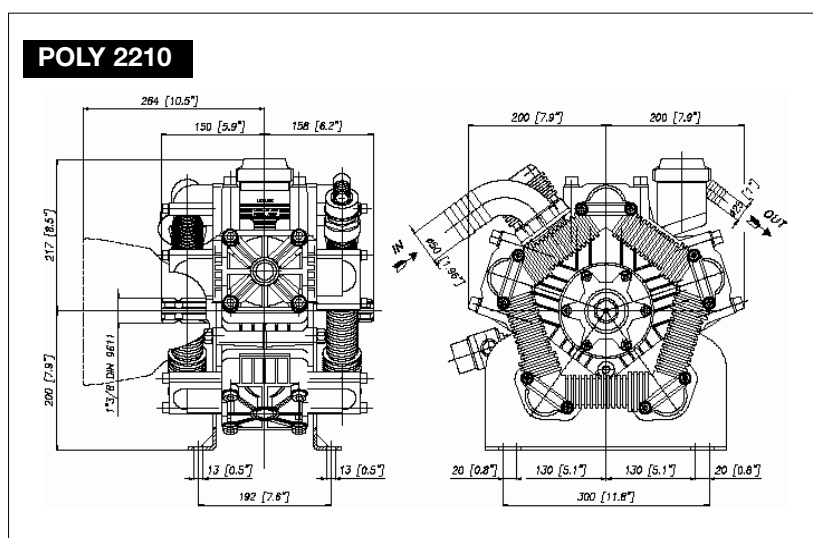
Installazione e norme generali di sicurezza
Pag. 2

Installation and general safety information
Page 8

Istruzioni di manutenzione pompe a
membrana Pag. 5

Maintenance instructions for diaphragm
pumps Page 11

DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



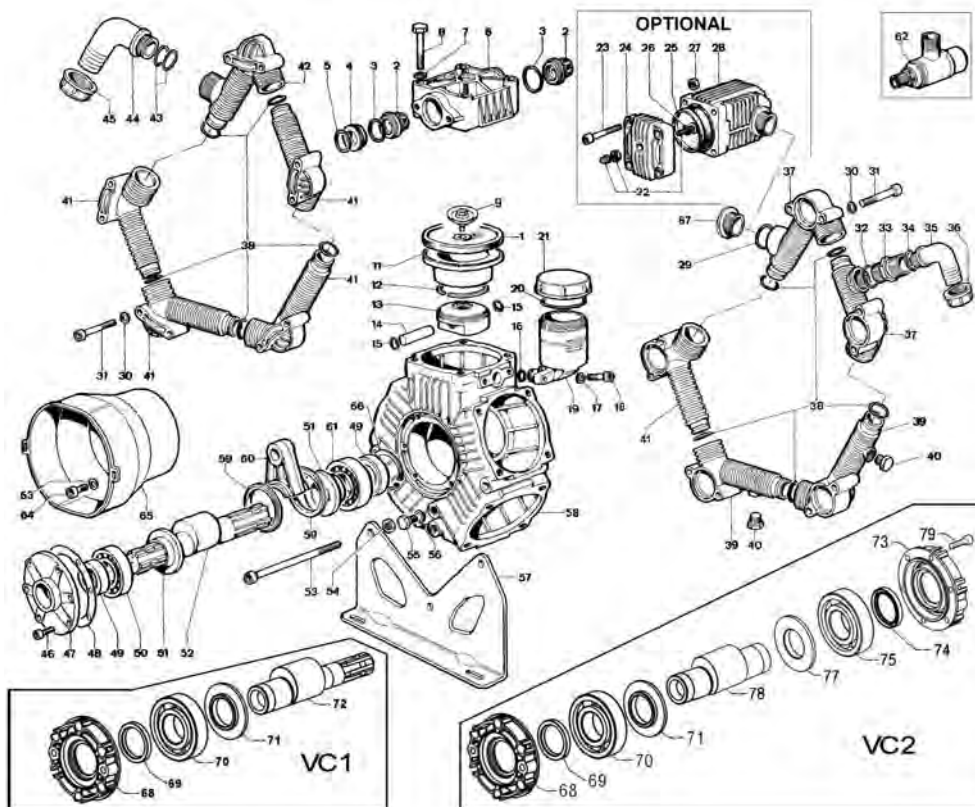
COPPIA DI SERRAGGIO - TORQUE CHART

CODICE CODE	Q.TY	N. POS.	POLY 2210	
			N.m	Lbr.ft
62.9811.97.3	5	9	25	18.4
85.2576.00.2	2	40	5 (LOXEAL 24-18)	3.7 (LOXEAL 24-18)
86.2682.50.2	2	18	8	5.9
86.3694.50.2	1	55	40	29.5
86.2562.50.2	6	46	22	16.3
86.2682.50.2	2	64	22	16.3
86.2990.00.2	20	31	10	7.4
86.4139.00.2	3	53	40	29.5
86.4068.00.2	20	8	40	29.5
TOLLERANZA DI SERRAGGIO:			0	
TOLERANCE ON TORQUE VALUE:			- 10%	

KIT RICAMBI - SPARES KIT POLY 2210

KIT	CODICE PART NUMBER	55.9801.97.3				55.9802.97.3			55.9803.97.3			55.9804.97.3		55.9805.97.3		55.9807.97.3						55.9812.97.3					
	DESCRIZIONE DESCRIPTION	KIT POMPA PUMP KIT				VAM VALVES ASSY			VAM INOX VALVES ASSY			MEMBRANE BUNA - N DIAPHRAGMS		MEMBRANE DESMOPAN DIAPHRAGMS		MEMBRANE VITON DIAPHRAGMS						MEMBRANE PENTAX DIAPHRAGMS					
POSIZIONE ESPLOSO POSITION NUMBER		3	38	48	49	5	2	3	5	2	3	5	1	3	1	3	1	3	29	32	5	38	1	3			
QUANTITÀ NEL KIT QUANTITIES INCLUDED		10	10	1	2	5	10	10	5	10	10	5	5	10	5	10	5	10	1	1	5	10	5	10			

POLY 2210



NOMENCLATURA RICAMBI POMPE A MEMBRANA "POLY 2210"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	62.0040.00.2	5	MEMBRANA DESMOPAN	38	80.3250.00.2	10	ANELLO OR 3,53x31,34
1	62.0040.31.2	5	MEMBRANA BUNA-N (optional)	39	55.0009.32.2	2	TUBO COLLETTORE G.3/8
1	62.0040.33.2	5	MEMBRANA VITON (optional)	40	85.2576.00.2	2	TAPPO G.3/8
1	62.0040.36.2	5	MEMBRANA HPS (optional)	41	55.0006.32.2	5	TUBO COLLETTORE AM
2	28.9809.97.3	10	GR. VALVOLA A/M INOX	42	55.0007.32.2	1	TUBO COLLETTORE G.2"
3	80.3314.00.2	10	ANELLO OR 4,5x40	43	80.3209.10.2	2	ANELLO OR 2,62x40,95
4	28.0229.32.2	5	DISTANZIALE VALVOLA	44	84.0610.00.2	1	RACCORDO CURVO D.50
5	80.3209.40.2	5	ANELLO OR 2,62x44,12	44	84.1643.00.2	1	RACCORDO DIRITTO D.50 (optional)
6	62.0025.32.2	5	TESTATA	45	82.0120.00.2	1	GALLETTO G.2"
7	84.3844.50.2	20	ROSETTA D.12,2x21x2,5 UNI1750	46	86.2562.50.2	6	VITE TCEI M8x20 UNI5931
8	86.4068.00.2	20	VITE TCEI M12x75 UNI5931	47	14.0011.09.2	1	COPERCHIO
9	62.9811.97.3	5	KIT VITE/PIATTELLO D.65	48	91.0110.72.2	1	GUARNIZIONE COPERCHIO
11	62.0019.01.2	5	CAMICIA D.78	49	80.2143.10.2	2	ANELLO RADIALE D.35x52x7
12	81.8540.00.2	5	FASCIA ELASTICA D.78	50	81.2876.00.2	1	CUSCINETTO SFERE 35x100x25
13	62.0018.09.2	5	PISTONE D.78	51	14.0016.01.2	2	DISTANZIALE ALBERO
14	85.2006.70.2	5	SPINOTTO D.15x46	52	14.0009.26.2	1	ALBERO "VD"
15	80.0021.00.2	10	ANELLO D.15 X FORO	53	86.4139.00.2	3	VITE M12x160 UNI 5737
16	80.3180.00.2	1	ANELLO OR 2,62x15,08	54	81.4689.50.2	3	DADO M12 UNI5589
17	84.3685.50.2	2	ROSETTA D.8,2x15x1,5 UNI1750	55	86.3694.50.2	1	VITE TCEI M12x20 UNI5931
18	86.2682.50.2	2	VITE TCEI M8x25 UNI5931	56	82.4079.00.2	1	GUARNIZIONE D.13,2x17x1
19	55.0004.32.2	1	SERBATOIO OLIO	57	55.0003.61.2	2	PIEDINO POMPA
20	80.3109.20.2	1	ANELLO OR 1,8x67	58	55.0001.09.2	1	CARTER POMPA
21	28.0144.32.2	1	COPERCHIO SERBATOIO	59	14.0015.76.2	2	ANELLO SERRAGGIO BIELLE
22	86.1608.50.2	1	VALVOLA ARIA COMPLETA	60	55.0005.11.2	5	BIELLA SINGOLA
23	86.2752.10.2	4	VITE TCEI M8x35 UNI5931	61	81.2867.00.2	1	CUSCINETTO SFERE 35x80x21
24	11.0004.09.2	1	CALOTTA ACCUMULATORE	62	24.3015.97.3	1	VALVOLA SICUREZZA 15bar (OPTIONAL)
25	23.0041.31.2	1	MEMBRANA ACCUMULATORE	63	84.3696.00.2	2	ROSETTA D.8.4x18x2 UNI1734
25	23.0041.33.2	1	MEMBRANA ACC. VITON (optional)	64	86.2682.50.2	2	VITE TCEI M8x25 UNI5931
23	23.0041.36.2	1	MEMBRANA ACC. HPS (OPT.)	65	31.1482.32.2	1	CUFFIA DI PROTEZIONE L=180 (optional)
26	80.3213.00.2	1	ANELLO OR 3,0x6	65	31.1468.32.2	1	CUFFIA DI PROTEZIONE L=135 (optional)
27	81.4574.50.2	4	DADO M8 UNI5588	66	80.1369.00.2	1	ANELLO ELASTICO D.52
28	27.0035.32.2	1	CORPO ACCUMULATORE	67	85.2720.00.2	1	TAPPO G.1"
29	80.3219.10.2	1	ANELLO OR 3,0x30	68	14.0037.07.2	1	COPERCHIO "VC"
30	84.3685.50.2	20	ROSETTA D.8,2x15x1,5 UNI1750	69	80.2191.10.2	1	ANELLO RADIALE 45x62x7 "VC"
31	86.2990.00.2	20	VITE TCEI M8x70 UNI5931	70	81.2945.00.2	1	CUSCINETTO A SFERE 6309 "VC"
32	80.3219.10.2	1	ANELLO OR 3,0x30	71	14.0038.61.2	1	ANELLO DI SPALLAMENTO D.45 "VC"
33	83.5089.00.2	1	NIPPLO G.1"-G.1" 1/4	72	14.0041.26.2	1	ALBERO CAVO "VC"
34	80.3219.00.2	1	ANELLO OR 3,0x25	73	14.0111.07.2	1	FLANGIA ATTACCO MOT. IDRAULICO "VC2"
35	84.0542.40.2	1	RACCORDO CURVO D.25	74	80.2178.10.2	1	PARAOILIO 40x52x17 "VC2"
35	84.1608.40.2	1	RACCORDO DIRITTO D.25 (optional)	75	81.2900.00.2	1	CUSCINETTO A SFERE 40x80x18 "VC2"
35	84.0560.00.2	1	RACCORDO CURVO D.30 (optional)	77	14.0110.61.2	1	DISTANZIALE "VC2"
35	84.1620.50.2	1	RACCORDO DIRITTO D.30 (OPTIONAL)	78	14.0109.26.2	1	ALBERO CAVO "VC2"
36	82.0067.50.2	1	GALLETTO G.1" 1/4	79	86.2683.00.2	4	VITE M8x25 UNI 5931 "VC2"
37	55.0008.32.2	2	TUBO COLLETTORE G.1"				

★ IN VITON REPLACE THE LAST 3 NUMBERS BY....50.2

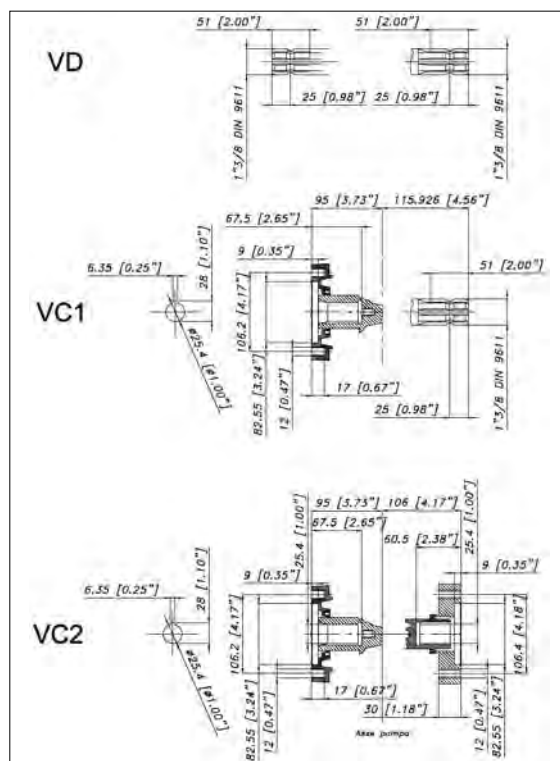
◎ IN VITON REPLACE THE LAST 3 NUMBERS BY....15.2

■ IN VITON REPLACE THE LAST 3 NUMBERS BY....10.2

POLY 2250 - 2260



ALBERO POMPA - PUMP SHAFT



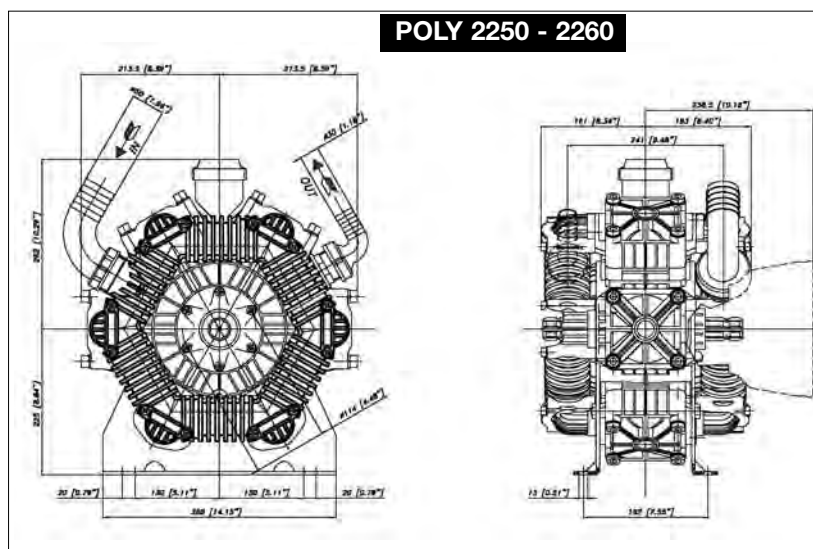
Installazione e norme generali di sicurezza
Pag. 2

Installation and general safety information
Page 8

Istruzioni di manutenzione pompe a
membrana Pag. 5

Maintenance instructions for diaphragm
pumps Page 11

DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



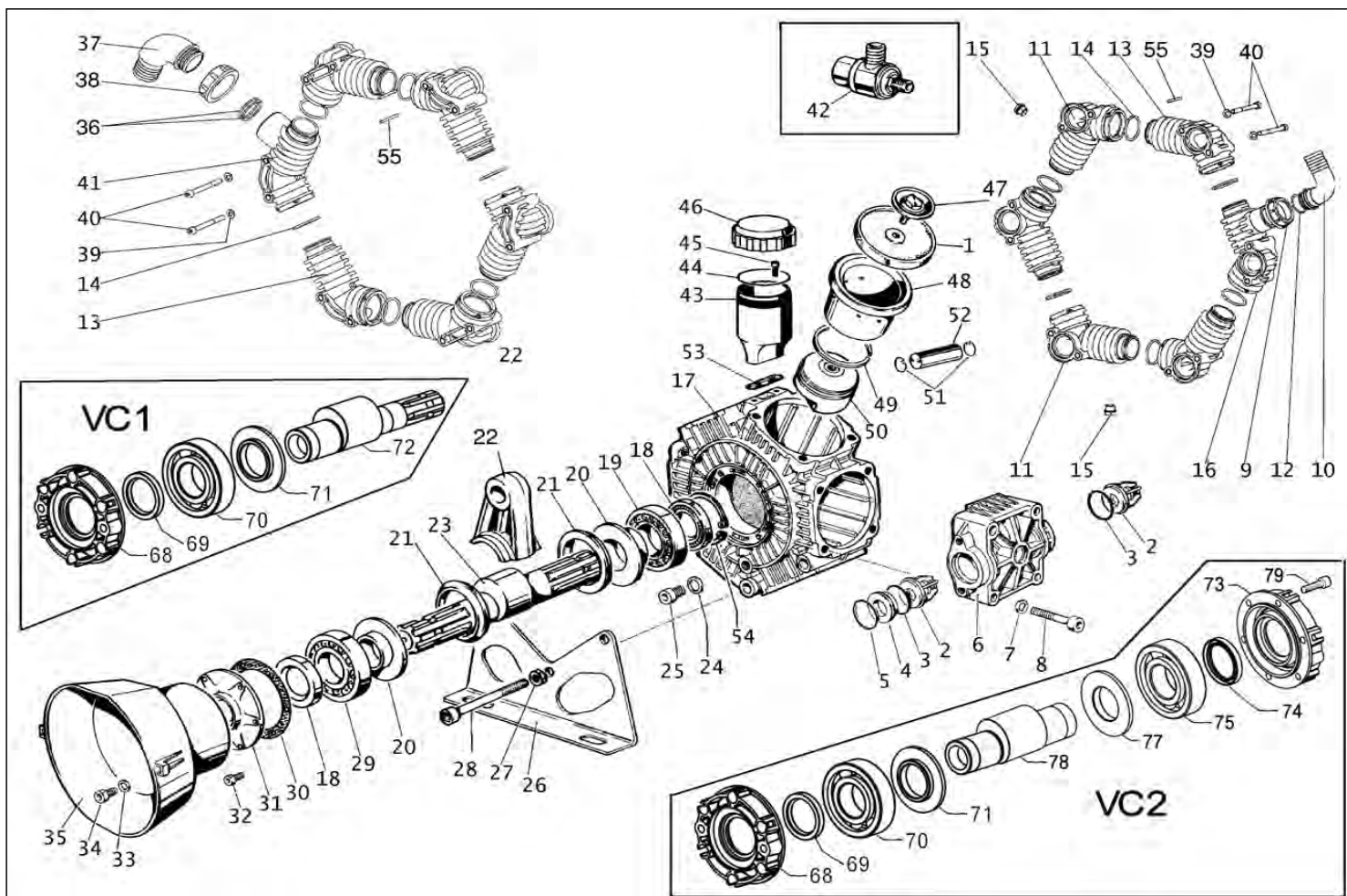
COPPIA DI SERRAGGIO - TORQUE CHART

CODICE CODE	Q.TY	N. POS.	POLY 2250-2260	
			N.m	Lbr.ft
62.0021.51.2	6	47	25	18.4
85.2576.00.2	2	15	5 (LOXEAL 24-18)	3.7 (LOXEAL 24-18)
86.2216.00.2	2	45	8 (LOXEAL 24-18)	5.9 (LOXEAL 24-18)
86.3694.50.2	1	25	40	29.5
86.2562.50.2	6	32	22	16.3
86.2682.50.2	2	34	22	16.3
86.2860.00.2	24	40	20	14.7
86.4139.00.2	3	28	40	29.5
86.4068.00.2	24	8	40	29.5
TOLLERANZA DI SERRAGGIO:			0	
TOLERANCE ON TORQUE VALUE:			- 10%	

KIT RICAMBI - SPARES KIT POLY 2250 - 2260

KIT	CODICE PART NUMBER	14.9874.97.3	14.9875.97.3	14.9876.97.3	14.9877.97.3	14.9878.97.3	14.9881.97.3	14.9882.97.3		
	DESCRIZIONE DESCRIPTION	KIT POMPA PUMP KIT	VAM VALVES ASSY	VAM INOX VALVES ASSY	MEMBRANE BUNA - N DIAPHRAGMS	MEMBRANE DESMOPAN DIAPHRAGMS	MEMBRANE VITON DIAPHRAGMS	MEMBRANE PENTAX DIAPHRAGMS		
	POSIZIONE ESPLOSO POSITION NUMBER	3 15 21 33 5	2 3 5	2 3 5	1 3	1 3	1 3 5 15 13 39	1 3		
	QUANTITÀ NEL KIT QUANTITIES INCLUDED	12 48 2 1 6	12 12 6	12 12 6	6 12	6 12	6 12 6 48 1 1	6 12		

POLY 2250 - 2260



NOMENCLATURA RICAMBI POMPE A MEMBRANA "POLY 2250 - 2260"

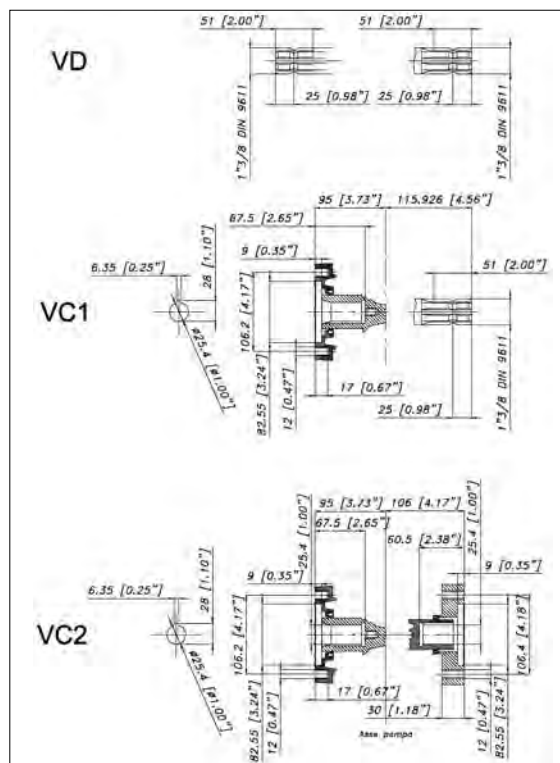
POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	62.0040.00.2	6	MEMBRANA DESMOPAN	32	86.2562.50.2	6	VITE TCEI M8x20 UNI5931
1	62.0040.31.2	6	MEMBRANA BUNA-N (optional)	33	84.3696.00.2	2	ROSETTA D.8.4x18x2 UNI1734 (optional)
1	62.0040.33.2	6	MEMBRANA VITON (optional)	34	86.2682.50.2	2	VITE TCEI M8x25 UNI5931 (optional)
2	28.9809.97.3	12	VALVOLA ASP.MAND. INOX	35	31.1482.32.2	1	CUFFIA DI PROTEZIONE L=180 (optional)
3	80.3314.00.2	12	ANELLO OR 4,5x40	35	31.1468.32.2	1	CUFFIA DI PROTEZIONE L=135 (optional)
4	28.0229.32.2	6	DISTANZIALE VALVOLA	36	80.3209.10.2	2	ANELLO OR 2,62x40,95
5	80.3209.40.2	6	ANELLO OR 2,62x44,12	37	84.0610.00.2	1	RACCORDO CURVO D.50
6	62.0025.32.2	6	TESTATA	37	84.1643.00.2	1	RACCORDO DIRITTO D50 (optional)
7	84.3844.50.2	24	ROSETTA D.12,2x21x2,5 UNI1750	38	82.0120.00.2	1	GALLETTO G.2"
8	86.4068.00.2	24	VITE TCEI M12x75 UNI5931	39	84.3697.00.2	24	ROSETTA D.8.4x18x2
9	82.0070.00.2	1	GALLETTO G.1"1/2	40	86.3044.50.2	24	VITE TCEI M8x90 UNI5931
10	84.0561.00.2	1	RACCORDO CURVO D.30	41	14.0032.32.2	1	TUBO PER COLLETTORE BORCHIA GAS 2"
10	84.0566.00.2	1	RACCORDO CURVO D.32 (optional)	42	24.3015.97.3	1	VALVOLA SICUREZZA 15BAR (optional)
10	84.0570.00.2	1	RACCORDO CURVO D.35 (optional)	43	14.0012.32.2	1	CORPO SERBATOIO
10	84.0571.00.2	1	RACCORDO CURVO D.38 (optional)	44	80.3109.20.2	1	ANELLO OR 1,8x67
10	84.0591.00.2	1	RACCORDO CURVO D.40 (optional)	45	86.2216.00.2	2	VITE TCEI M6x25 UNI5931
11	14.0030.32.2	2	TUBO PER COLLETTORE G 3/8"	46	28.0144.32.2	1	COPERCHIO SERBATOIO
12	80.3219.10.2	1	ANELLO OR 3,0 x 30	47	62.9811.97.3	6	KIT VITE/PIATTELLO INOX D.65
13	14.0029.32.2	8	TUBO PER COLLETTORE	48	62.0020.01.2	6	CAMICIA POLY 2250
14	80.3309.00.2	12	ANELLO OR 4,0 X 40	48	62.0019.01.2	6	CAMICIA POLY 2260
15	85.2576.00.2	2	TAPPO G.3/8	49	81.8540.00.2	6	FASCIA ELASTICA
16	14.0031.32.2	1	TUBO PER COLLETTORE BORCHIA G1"1/2	50	62.0018.09.2	6	PISTONE
17	14.0001.09.2	1	CARTER POMPA	51	80.0021.00.2	12	ANELLO D.15 X FORO
18	80.2143.10.2	2	ANELLO RADIALE D.35x52x7	52	85.2006.70.2	6	SPINOTTO D.15x46
19	81.2867.00.2	1	CUSCINETTO SFERE 35x80x21	53	14.0017.72.2	1	GUARNIZIONE SERBATOIO OLIO
20	14.0016.01.2	2	DISTANZIALE ALBERO	54	80.1369.00.2	1	ANELLO ELSTICO D.52
21	14.0015.76.2	2	ANELLO SERRAGGIO BIELLE	55	85.1161.00.2	24	SPINA D 4 X 45
22	14.0027.11.2	6	BIELLA SINGOLA	68	14.0037.07.2	1	COPERCHIO "VC"
23	14.0002.26.2	1	ALBERO POLY 2250	69	80.2191.10.2	1	ANELLO RADIALE 45x62x7 "VC"
23	14.0009.26.2	1	ALBERO POLY 2260	70	81.2945.00.2	1	CUSCINETTO A SFERE 6309 "VC"
24	82.4079.00.2	1	GUARNIZIONE D.13,2x17x1	71	14.0038.61.2	1	ANELLO DI SPALLAMENTO D.45 "VC"
25	86.3694.50.2	1	VITE TCEI M12x20 UNI5931	72	14.0041.26.2	1	ALBERO CAVO "VC"
26	14.0018.61.2	2	PIEDINO POMPA	73	14.0111.07.2	1	FLANGIA ATTACCO MOT. IDRAULICO "VC2"
27	81.4689.50.2	3	DADO M12 UNI5589	74	80.2178.10.2	1	PARAOILIO 40x52x17 "VC2"
28	86.4139.00.2	3	VITE M12x160 UNI 5737	75	81.2900.00.2	1	CUSCINETTO A SFERE 40x80x18 "VC2"
29	81.2876.00.2	1	CUSCINETTO SFERE 35x100x25	77	14.0110.61.2	1	DISTANZIALE "VC2"
30	91.0110.72.2	1	GUARNIZIONE COPERCHIO	78	14.0109.26.2	1	ALBERO CAVO "VC2"
31	14.0011.09.2	1	COPERCHIO	79	86.2683.00.2	4	VITE M8x25 UNI 5931 "VC2"

* IN VITON REPLACE THE LAST 3 NUMBERS BY50.2

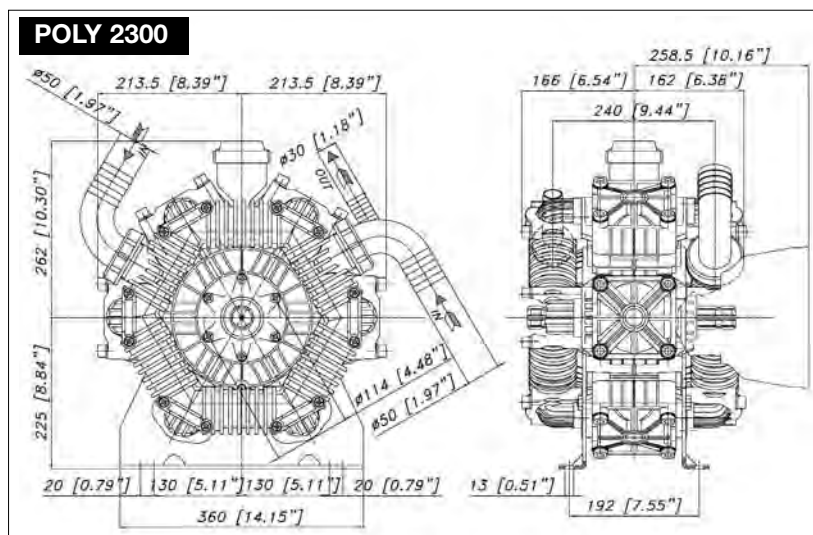
POLY 2300



ALBERO POMPA - PUMP SHAFT



DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



Installazione e norme generali di sicurezza
Pag. 2

Installation and general safety information
Page 8

Istruzioni di manutenzione pompe a
membrana Pag. 5

Maintenance instructions for diaphragm
pumps Page 11

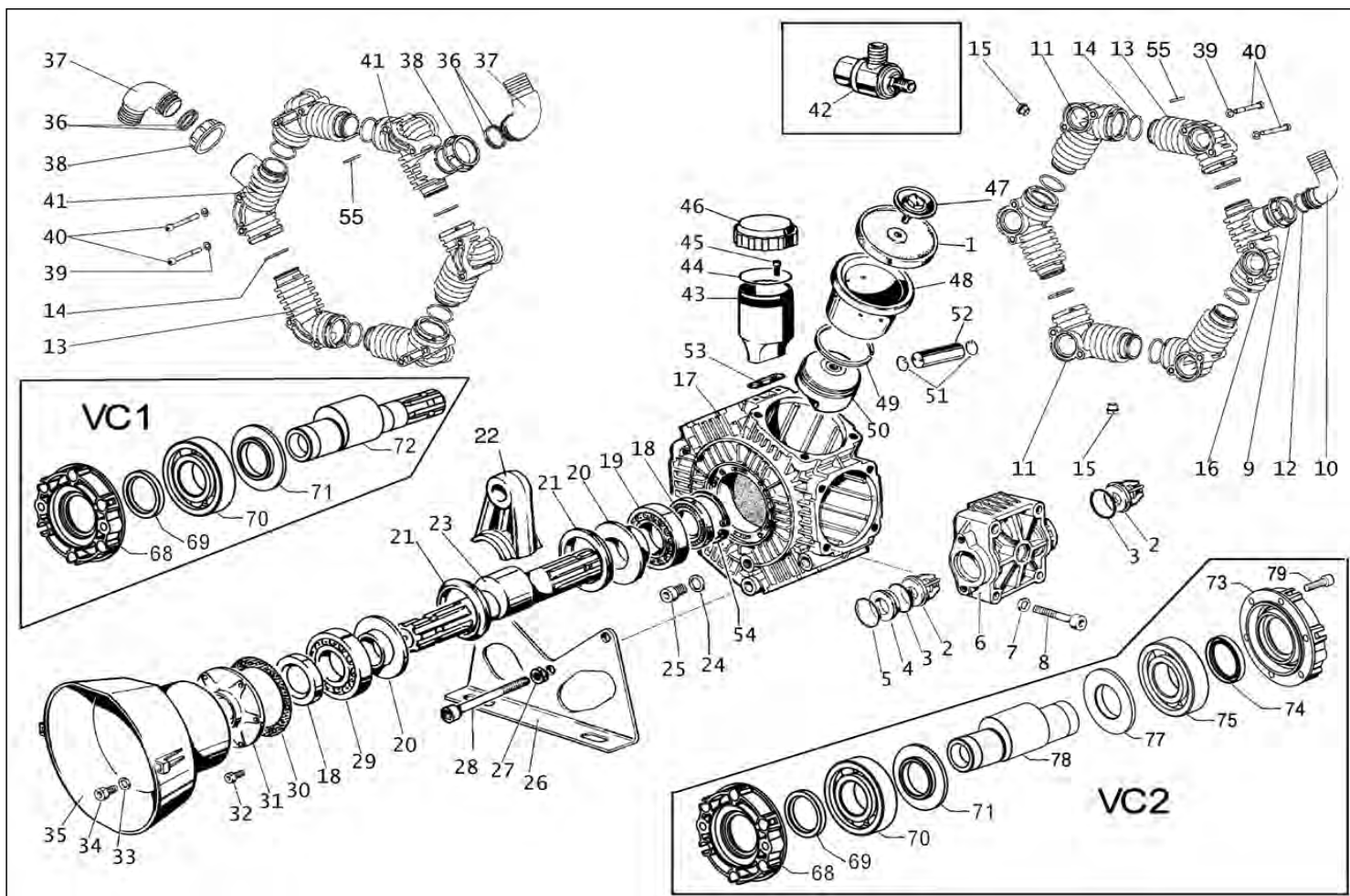
COPPIA DI SERRAGGIO - TORQUE CHART

CODICE CODE	Q.TY	N. POS.	POLY 2300	
			N.m	Lbr.ft
62.0021.51.2	6	47	25	18.4
85.2576.00.2	2	15	5 (LOXEAL 24-18)	3.7 (LOXEAL 24-18)
86.2216.00.2	2	45	8 (LOXEAL 24-18)	5.9 (LOXEAL 24-18)
86.3694.50.2	1	25	40	29.5
86.2562.50.2	6	32	22	16.3
86.2682.50.2	2	34	22	16.3
86.2860.00.2	24	40	20	14.7
86.4139.00.2	3	28	40	29.5
86.4068.00.2	24	8	40	29.5
TOLLERANZA DI SERRAGGIO:			0	
TOLERANCE ON TORQUE VALUE:			- 10%	

KIT RICAMBI - SPARES KIT POLY 2300

KIT	CODICE PART NUMBER		14.9874.97.3					14.9875.97.3			14.9876.97.3			14.9877.97.3		14.9878.97.3		14.9881.97.3					14.9882.97.3				
	DESCRIZIONE DESCRIPTION		KIT POMPA PUMP KIT					VAM VALVES ASSY			VAM INOX VALVES ASSY			MEMBRANE BUNA - N DIAPHRAGMS		MEMBRANE DESMOPAN DIAPHRAGMS		MEMBRANE VITON DIAPHRAGMS					MEMBRANE PENTAX DIAPHRAGMS				
POSIZIONE ESPLOSO POSITION NUMBER			3	15	21	33	5	2	3	5	2	3	5	1	3	1	3	1	3	5	15	13	39	1	3		
QUANTITÀ NEL KIT QUANTITIES INCLUDED			12	48	2	1	6	12	12	6	12	12	6	6	12	6	12	6	12	6	48	1	1	6	12		

POLY 2300



NOMENCLATURA RICAMBI POMPE A MEMBRANA "POLY 2300"

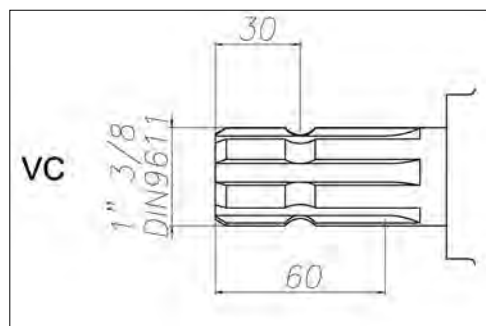
POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	62.0040.00.2	6	MEMBRANA DESMOPAN	33	84.3696.00.2	2	ROSETTA D.8,4x18x2 UNI1734 (optional)
1	62.0040.31.2	6	MEMBRANA BUNA-N (optional)	34	86.2682.50.2	2	VITE TCEI M8x25 UNI5931 (optional)
1	62.0040.33.2	6	MEMBRANA VITON (optional)	35	31.1482.32.2	1	CUFFIA DI PROTEZIONE L=180 (optional)
2	28.9809.97.3	12	VALVOLA ASP.MAND. INOX	35	31.1468.32.2	1	CUFFIA DI PROTEZIONE L=135 (optional)
3	80.3314.00.2	12	ANELLO OR 4,5x40	36	80.3209.10.2	4	ANELLO OR 2,62x40,95
4	28.0229.32.2	6	DISTANZIALE VALVOLA	37	84.0610.00.2	2	RACCORDO CURVO D.50
5	80.3209.40.2	6	ANELLO OR 2,62x44,12	37	84.1643.00.2	2	RACCORDO DIRITTO D50 (optional)
6	62.0025.32.2	6	TESTATA	38	82.0120.00.2	2	GALLETTO G.2"
7	84.3844.50.2	24	ROSETTA D.12,2x21x2,5 UNI1750	39	84.3697.00.2	24	ROSETTA D.8,4x18x2
8	86.4068.00.2	24	VITE TCEI M12x75 UNI5931	40	86.3044.50.2	24	VITE TCEI M8x90 UNI5931
9	82.0070.00.2	1	GALLETTO G.1"1/2	41	14.0032.32.2	2	TUBO PER COLLETTORE BORCHIA GAS 2"
10	84.0561.00.2	1	RACCORDO CURVO D.30	42	24.3015.97.3	1	VALVOLA SICUREZZA 15BAR (optional)
10	84.0566.00.2	1	RACCORDO CURVO D.32 (optional)	43	14.0012.32.2	1	CORPO SERBATOIO
10	84.0570.00.2	1	RACCORDO CURVO D.35 (optional)	44	80.3109.20.2	1	ANELLO OR 1,8x67
10	84.0571.00.2	1	RACCORDO CURVO D.38 (optional)	45	86.2216.00.2	2	VITE TCEI M6x25 UNI5931
10	84.0591.00.2	1	RACCORDO CURVO D.40 (optional)	46	28.0144.32.2	1	COPERCHIO SERBATOIO
11	14.0030.32.2	2	TUBO PER COLLETTORE G 3/8"	47	62.9811.97.3	6	KIT VITE/PIATTELLO INOX D.65
12	80.3219.10.2	1	ANELLO OR 3,0 x 30	48	62.0021.01.2	6	CAMICIA POLY 2300
13	14.0029.32.2	7	TUBO PER COLLETTORE	49	81.8540.00.2	6	FASCIA ELASTICA
14	80.3309.00.2	12	ANELLO OR 4,0 X 40	50	62.0018.09.2	6	PISTONE
15	85.2576.00.2	2	TAPPO G.3/8	51	80.0021.00.2	12	ANELLO D.15 X FORO
16	14.0031.32.2	1	TUBO PER COLLETTORE BORCHIA G1"1/2	52	85.2006.70.2	6	SPINOTTO D.15x46
17	14.0001.09.2	1	CARTER POMPA	53	14.0017.72.2	1	GUARNIZIONE SERBATOIO OLIO
18	80.2143.10.2	2	ANELLO RADIALE D.35x52x7	54	80.1369.00.2	1	ANELLO ELSTICO D.52
19	81.2867.00.2	1	CUSCINETTO SFERE 35x80x21	55	85.1161.00.2	24	SPINA D.4 X 45
20	14.0016.01.2	2	DISTANZIALE ALBERO	68	14.0037.07.2	1	COPERCHIO "VC"
21	14.0015.76.2	2	ANELLO SERRAGGIO BIELLE	69	80.2191.10.2	1	ANELLO RADIALE 45x62x7 "VC"
22	14.0027.11.2	6	BIELLA SINGOLA	70	81.2945.00.2	1	CUSCINETTO A SFERE 6309 "VC"
23	14.0024.26.2	1	ALBERO POLY 2300	71	14.0038.61.2	1	ANELLO DI SPALLAMENTO D.45 "VC"
24	82.4079.00.2	1	GUARNIZIONE D.13,2x17x1	72	14.0036.26.2	1	ALBERO CAVO "VC"
25	86.3694.50.2	1	VITE TCEI M12x20 UNI5931	73	14.0111.07.2	1	FLANGIA ATTACCO MOT. IDRAULICO "VC2"
26	14.0018.61.2	2	PIEDINO POMPA	74	80.2178.10.2	1	PARAOILIO 40x52x17 "VC2"
27	81.4689.50.2	3	DADO M12 UNI5589	75	81.2900.00.2	1	CUSCINETTO A SFERE 40x80x18 "VC2"
28	86.4139.00.2	3	VITE M12x160 UNI 5737	77	14.0110.61.2	1	DISTANZIALE "VC2"
29	81.2876.00.2	1	CUSCINETTO SFERE 35x100x25	78	14.0108.26.2	1	ALBERO CAVO "VC2"
30	91.0110.72.2	1	GUARNIZIONE COPERCHIO	79	86.2683.00.2	4	VITE M8x25 UNI 5931 "VC2"
31	14.0011.09.2	1	COPERCHIO				
32	86.2562.50.2	6	VITE TCEI M8x20 UNI5931				

* IN VITON REPLACE THE LAST 3 NUMBERS BY50.2

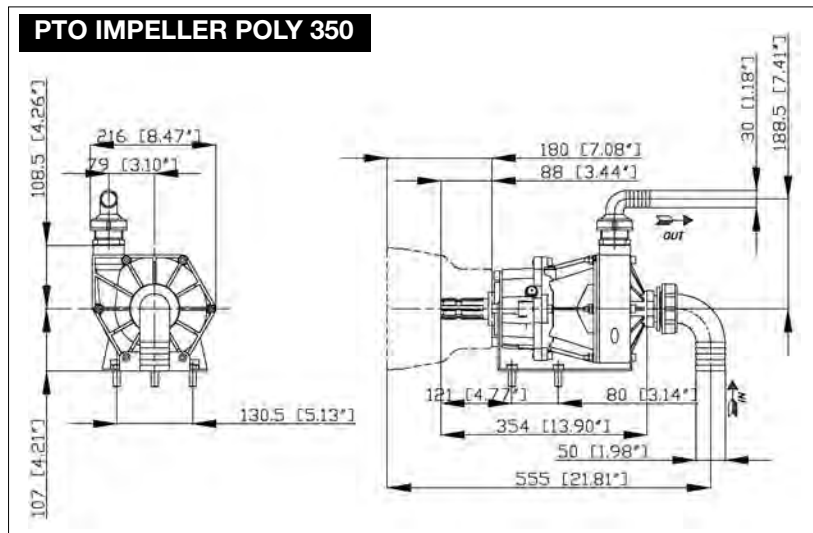
PTO IMPELLER POLY 350



ALBERO POMPA - PUMP SHAFT



DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



Installazione e norme generali di sicurezza
Pag. 2

Installation and general safety information
Page 8

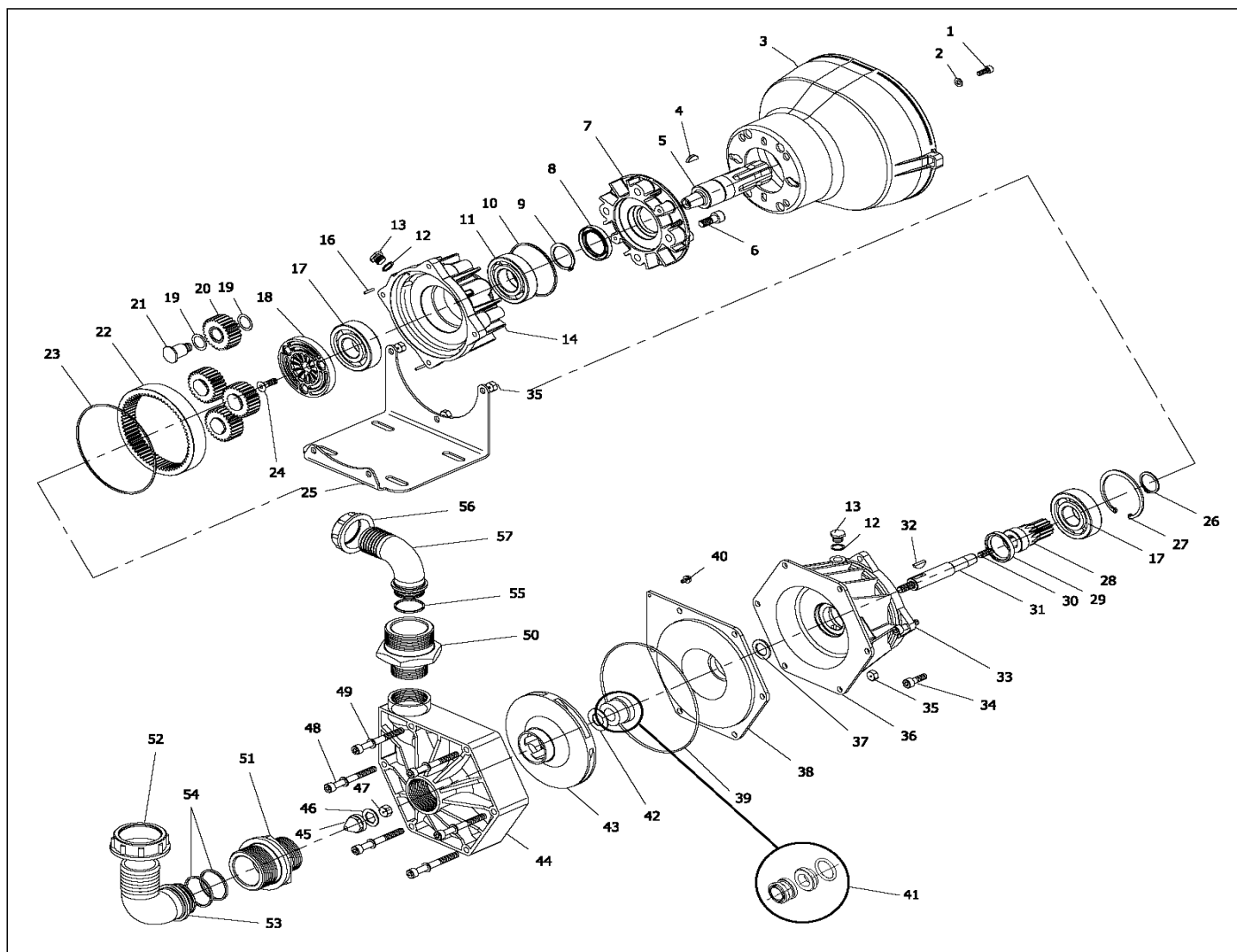
Istruzioni di manutenzione pompe a
membrana Pag. 5

Maintenance instructions for diaphragm
pumps Page 11

COPPIA DI SERRAGGIO - TORQUE CHART

CODICE CODE	Q.TY	N. POS.	PTO IMPELLER POLY 350	
			N.m	Lbr.ft
86.2108.00.2	2	1	10	7.4
86.3264.00.2	4	6	40	29.5
86.2682.50.2	1	24	22	16.2
86.2564.00.2	1	30	22	16.2
86.2682.60.2	1	33	22	16.2
86.2752.10.2	3	34	22	16.2
86.3002.00.2	6	48	22	16.2
TOLLERANZA DI SERRAGGIO:			0	
TOLERANCE ON TORQUE VALUE:			- 10%	

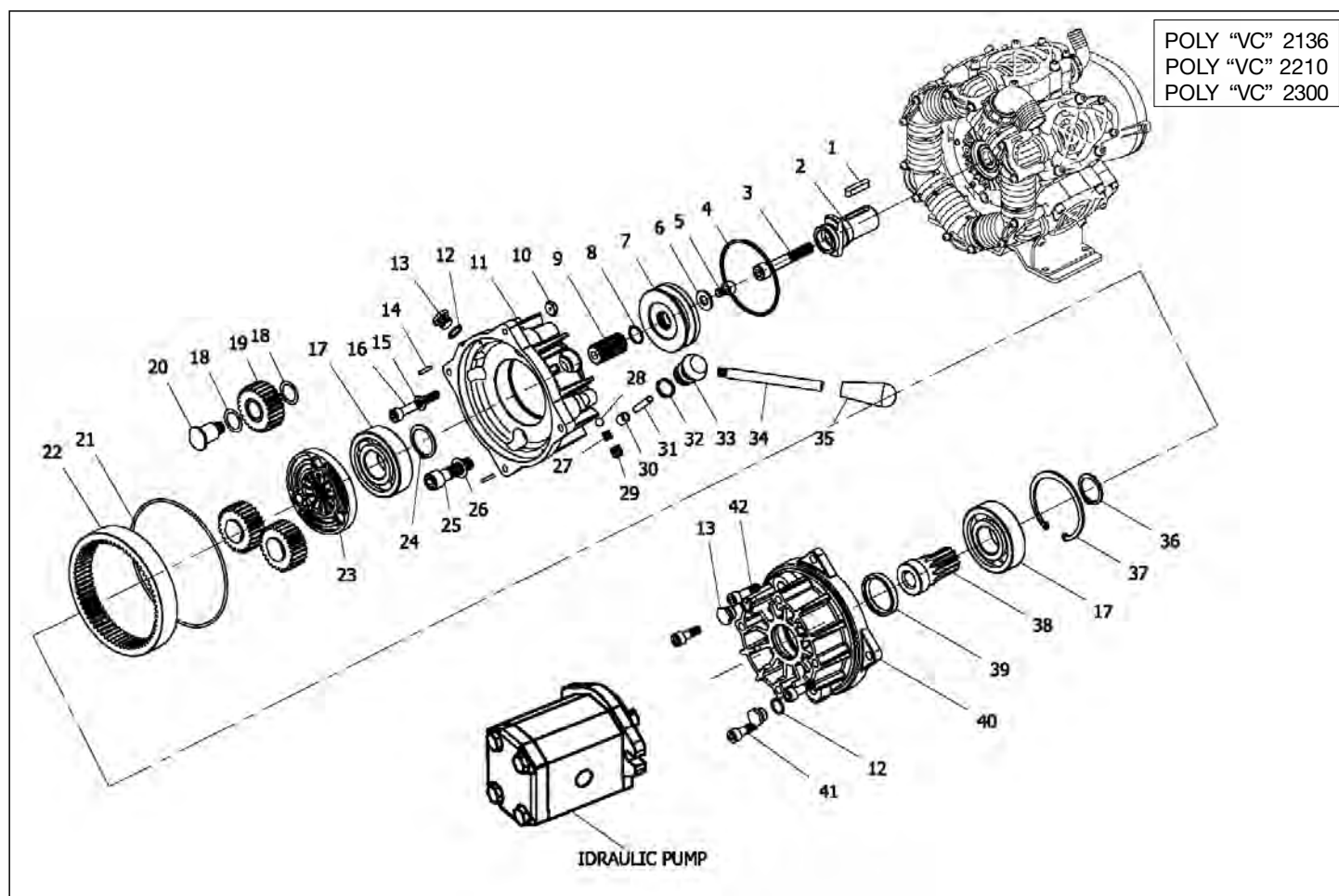
PTO IMPELLER POLY 350



NOMENCLATURA RICAMBI IMPELLER 350 P - MOLTIPLICATORE A CARDANO + POMPA CENTRIFUGA

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	86.2108.00.2	2	VITE TCEI M6x16 (OPT.)	30	86.2564.00.2	1	VITE STEI M8x20 SX
2	84.3585.00.2	2	ROSETTA D. 6,5x12,5 (OPT.)	31	31.1690.43.2	1	ALBERO CENTRIFUGA
3	31.1482.32.2	1	CUFFIA DI PROTEZIONE (OPT.)	32	31.1704.00.2	1	CHIAVETTA WOODRUFF
4	80.6430.00.2	1	LINGUETTA AMERICANA	33	86.2682.60.2	1	VITE M8x25
5	31.1711.49.2	1	ALBERO SCANALATO	34	86.2752.10.2	3	VITE TCEI M8x35
6	86.3264.00.2	4	VITE M10x25	35	81.4574.50.2	9	DADO M8
7	31.1712.07.2	1	COPERCHIO	36	31.1692.07.2	1	COPERCHIO MOLTIPLICATORE
8	80.2143.10.2	1	ANELLO RADIALE 35x52x7	37	31.1700.31.2	1	RONDELLA PARASPRUZZI
9	80.1264.00.2	1	ANELLO ELS D.35 PER ALBERO	38	31.1699.32.2	1	FLANGIA INTERMEDIA
10	80.3210.61.2	1	ANELLO OR D. 2,62x77,47	39	80.3210.91.2	1	ANELLO OR D. 2,6x164,77
11	81.2847.00.2	1	CUSCINETTO A SFERE SKF 6207	40	31.1709.00.2	1	VITE AUTOFILETTANTE
12	82.4079.00.2	2	GUARNIZIONE RAME D. 13,2x17x1	41	31.1701.33.2	1	TENUTA MECCANICA POMPA CENTRIFUGA
13	85.2543.50.2	2	TAPPO G. 1/4x9	42	31.1702.31.2	1	GUARNIZIONE
14	31.1713.07.2	1	CARCASSA MOLTIPLICATORE	43	31.1703.32.3	1	GIRANTE
16	85.1024.00.2	2	SPINA D. 3x16	44	31.1708.31.2	1	CORPO POMPA CENTRIFUGA
17	81.2776.10.2	2	CUSCINETTO A SFERE 6306 SKF	45	31.1706.32.2	1	PROTEZIONE
18	31.1710.07.2	1	PLATORELLO	46	31.1707.31.2	1	GUARNIZIONE ESAGONALE
19	84.4100.00.2	6	RONDELLA DI SPESSORAMENTO	47	31.1705.00.2	1	DADO 3/8 UNF
20	31.1677.48.2	3	SATELLITE Z=26	48	86.3002.00.2	6	VITE TCEI M8x75
21	31.1674.49.2	3	PERNO PORTA SATELLITI	49	84.3685.50.2	6	RONDELLA D. 8,2x15x1,5
22	31.1678.48.2	1	CORONA Z=66	50	83.5090.35.2	1	NIPPLO G.1"1/4-G.1"1/2 M-M
23	80.3210.70.2	1	ANELLO OR 2,62x126,67	51	83.5095.00.2	1	NIPPLO G.1/2-G.2" M-M
24	86.2682.50.2	1	VITE TCEI M8x25	52	82.0120.00.2	1	GALLETTO G.2"
25	31.1714.61.2	1	PIEDINO	53	84.0610.00.2	1	RACCORDO A 90°X TUBO D.50
26	80.1218.00.2	1	ANELLO ELS D.28 PER ALBERO DIN 983	54	80.3209.10.2	2	ANELLO OR 2,62X40,95
27	80.1422.00.2	1	ANELLO ELS D.72 PER FORO	55	80.3219.10.2	1	ANELLO OR 3.0X30
28	31.1676.49.2	1	PIGNONE MOLTIPLICATORE	56	82.0070.00.2	1	GALLETTO G.1"1/2
29	80.2133.00.2	1	ANELLO RADIALE 35x45x7	57	84.0561.00.2	1	RACCORDO A 90° PER TUBO D.30

MOLTIPLIATORE CON POMPA IDRAULICA PER POLY PUMP



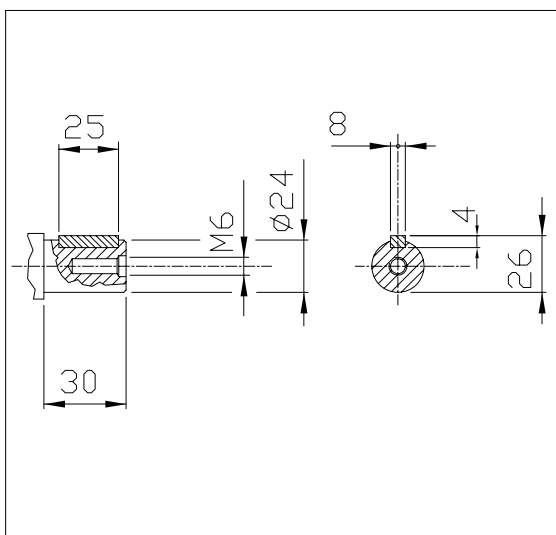
MOLTIPLIATORE CON POMPA IDRAULICA PER POLY PUMP - D.M.P. 436 - D.M.P. 500 - D.M.P. 600

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	80.6474.00.2	1	CHIAVETTA 6,35x6,35x31,75	26	84.3899.00.2	2	RONDELLA RAME D. 13x19x1,5
2	31.1675.49.2	1	SEMIGIUNTO MASCHIO	27	24.0016.49.2	1	MOLLA CILINDRETTO
3	86.3560.00.2	1	VITE UNI M10x65	28	84.7430.00.2	1	SFERA 5/16"
4	80.3210.61.2	1	ANELLO OR D. 2,6x77,47	29	86.3110.00.2	1	VITE STEI M10x10 UNI 5923 P. PIANA
5	86.2460.00.2	1	VITE UNI M8x12	30	81.2490.00.2	1	ANELLO INTERNO IR D. 6x10x10
6	84.3810.00.2	1	RONDELLA D. 10,5x21x2	31	85.1209.00.2	1	SPINA D. 6x30 (SPECIALE)
7	31.1672.48.2	1	SEMI GIUNTO FEMMINA	32	80.3069.00.2	1	ANELLO OR D. 1,78x18,77
8	80.1138.00.2	1	ANELLO SPALLAMENTO 18 ESTERNO	33	31.1671.48.2	1	PERNO DI COMANDO
9	31.1673.48.2	1	PERNO CENTRALE	34	31.1698.48.2	1	ASTA DISINNESTO MOLTIPLICATORE
10	81.4574.00.2	2	DADO M8	35	83.7540.00.2	1	POMOLO FORO LISCIO
11	31.1668.07.2	1	SCATOLA MOLTIPLICATORE POLY	36	80.1218.00.2	1	ANELLO ELS D.28 PER ALBERO DIN 983
12	82.4079.00.2	3	GUARNIZIONE RAME D. 13,2x17x1	37	80.1422.00.2	1	ANELLO ELS D.72 PER FORO
13	85.2543.50.2	3	TAPPO G. 1/4x9	38	31.1676.49.2	1	PIGNONE MOLTIPLICATORE
14	85.1024.00.2	2	SPINA D. 3x16 UNI 1707	39	80.2133.00.2	1	ANELLO RADIALE 35x45x7
15	84.3642.90.2	2	ROSETTA IN RAME D.8.1x14x1	40	31.1669.07.2	1	COPERCHIO MOLTIPLICATORE
16	86.2892.00.2	2	VITE UNI5931 M8x50(POLY 2136)	41	86.2682.00.2	2	VITE TCEI M8x25
16	86.2985.00.2	2	VITE UNI5931 M8x70(POLY 2210/2300)	42	86.2730.00.2	2	VITE M8x30
17	81.2776.10.2	2	CUSCINETTO A SFERE 6306 SKF				
18	84.4100.00.2	6	RONDELLA DI SPESSORAMENTO				
19	31.1677.48.2	3	SATELLITE Z=26				
20	31.1674.49.2	3	PERNO PORTA SATELLITI				
21	80.3210.70.2	1	ANELLO OR 2,62x126,67				
22	31.1678.48.2	1	CORONA Z=66				
23	31.1670.07.2	1	PLATORELLO PORTA SATELLITI				
24	80.1241.00.2	1	ANELLO ELS D.30 PER ALBERO				
25	86.3981.00.2	2	VITE M12x45				

C 35.3

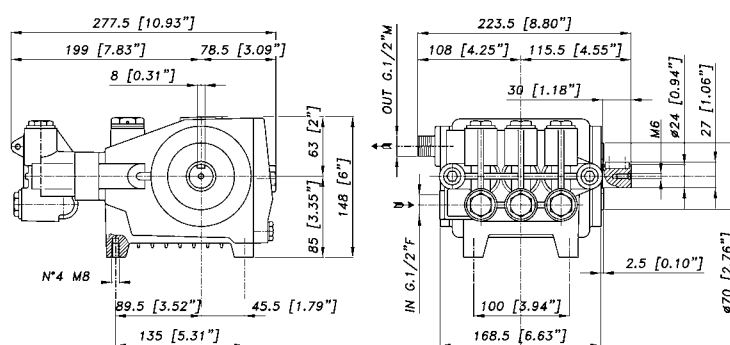


ALBERO POMPA - PUMP SHAFT



DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS

C 35.3



Installazione e norme generali di sicurezza
Pag. 2

Installation and general safety information
Page 8

Istruzioni di manutenzione pompe a pistoni
Pag. 6

Maintenance instructions for piston pumps
Page 12

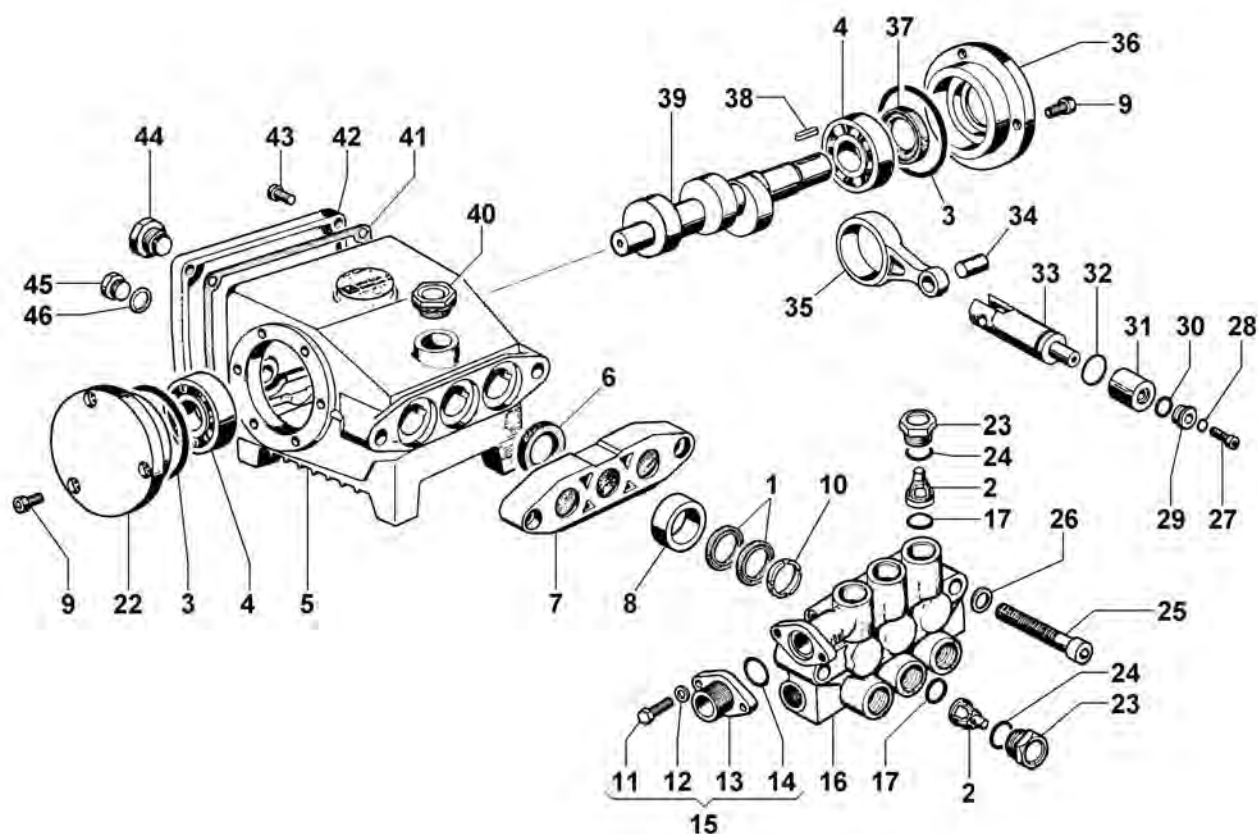
COPPIA DI SERRAGGIO - TORQUE CHART

CODICE CODE	Q.TY	N. POS.	C 35.3	
			N.m	Lbr.ft
86.2086.00.2	6	9	10	7.4
86.2190.00.2	2	11	10	7.4
86.0389.53.2	6	23	68	50.2
86.4080.00.2	2	25	68	50.2
86.2270.00.2	3	27	8 (LOCTITE 270)	5.9 (LOCTITE 270)
86.2131.00.2	4	43	10	7.4
86.3510.00.2	1	44	5	3.6
86.2543.00.2	1	45	10	7.4
TOLLERANZA DI SERRAGGIO:			0 → - 10%	
TOLERANCE ON TORQUE VALUE:			0 → - 10%	

KIT RICAMBI - SPARES KIT C 35.3

KIT	CODICE PART NUMBER		38.9872.97.3				38.9876.97.3		38.9877.97.3		38.9878.97.3			38.9879.97.3		38.9880.97.3		
	DESCRIZIONE DESCRIPTION		KIT POMPA PUMP KIT				VAM VALVES ASSY		GUARNIZ. PISTON PACKINGS		TENUTE COMPLETE COMPLETE PACKINGS			TAPPI VALVOLA VALVE CAPS		PARAOILI GUIDE PISTONI PLUNGERS OIL SEALS		
	POSIZIONE ESPLOSO POSITION NUMBER		41	6	37	46	3	2	17	10	1	10	1	8	23	24	6	
	QUANTITÀ NEL KIT QUANTITIES INCLUDED		1	3	1	1	2	6	6	3	6	3	6	3	6	6	3	

C 35.3



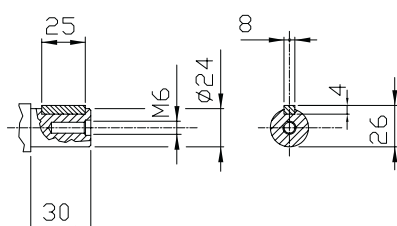
NOMENCLATURA RICAMBI POMPE A PISTONI "C 35.3"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	80.2091.00.2	6	ANELLO TENUTA A "V" D.24	33	38.0455.41.2	3	PATTINO PORTA PISTONE
2	38.9844.97.3	6	GR. VALVOLA A/M	34	85.2006.23.2	3	SPINOTTO D.12
3	80.3210.60.2	2	ANELLO OR 2,62x71,12	35	38.0063.08.2	3	BIELLA
4	81.2725.00.2	2	CUSCINETTO SFERE	36	38.6004.09.2	1	FLANGIA
5	38.6001.09.2	1	CARTER POMPA	37	80.2099.00.2	1	ANELLO RADIALE
6	80.2094.00.2	3	ANELLO RADIALE	38	80.6522.00.2	1	LINGUETTA 8x7x25
7	38.6397.09.2	1	DISTANZIALE CARTER	39	38.0457.26.2	1	ALBERO ECCENTRICO
8	38.0485.53.2	3	LANTERNA	40	85.2694.10.2	1	TAPPO CARICO OLIO
9	86.2086.00.2	6	VITE TCEI M6x14 UNI5931	41	38.0065.66.2	1	GUARNIZIONE COPERCHIO
10	38.0437.32.2	3	ANELLO DI SPINTA	42	38.6003.09.2	1	COPERCHIO CARTER
11	86.2190.00.2	2	VITE TE M6x22 UNI5739	43	86.2131.00.2	4	VITE TCEI M6x18 UNI5931
12	84.3585.00.2	2	ROSETTA D.6,4x12,5x1,6	44	85.3510.00.2	1	SPIA LIVELLO OLIO
13	31.0268.28.2	1	RACCORDO G.1/2 MASCHIO	45	85.2543.50.2	1	TAPPO G.1/4
14	80.3218.00.2	1	ANELLO OR 3,0x22	46	82.4079.00.2	1	GUARNIZIONE D.13,2x17x1
15	31.8878.97.3	1	GR. FLANGIA MANDATA G.1/2				
16	38.0454.09.2	1	CORPO POMPA C 35.3				
17	80.3182.00.2	6	ANELLO OR 2,62x17,13				
22	38.0458.09.2	1	FLANGIA CHIUSA				
23	38.0389.53.2	6	TAPPO VALVOLA A/M				
24	80.3217.50.2	6	ANELLO OR 3,0x19				
25	86.4080.00.2	2	VITE TCEI M12x90 UNI5931				
26	84.3896.00.2	2	ROSETTA SCHNORR D.13				
27	86.2270.00.2	3	VITE TCEI M6x30 UNI5931 INOX				
28	80.3050.00.2	3	ANELLO OR 1,78x6,07				
29	38.0487.53.2	3	RONDELLA FISSAGGIO PISTONE				
30	80.3060.00.2	3	ANELLO OR 1,78x12,42				
31	38.0486.18.2	3	PISTONE CERAMICO D.24				
32	80.3198.00.2	3	ANELLO OR 2,62x20,63				

C 40

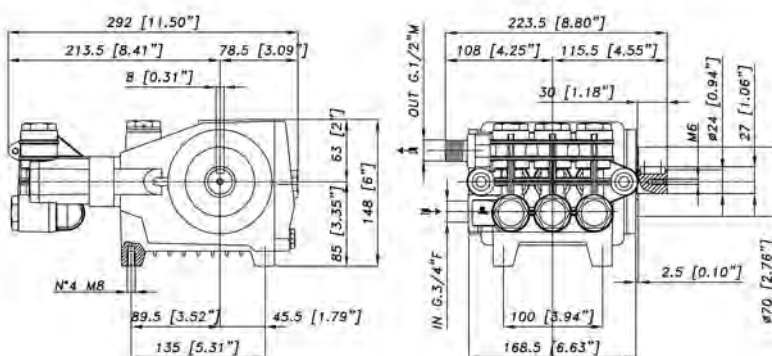


ALBERO POMPA - PUMP SHAFT



DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS

C 40



Installazione e norme generali di sicurezza
Pag. 2

Installation and general safety information
Page 8

Istruzioni di manutenzione pompe a pistoni
Pag. 6

Maintenance instructions for piston pumps
Page 12

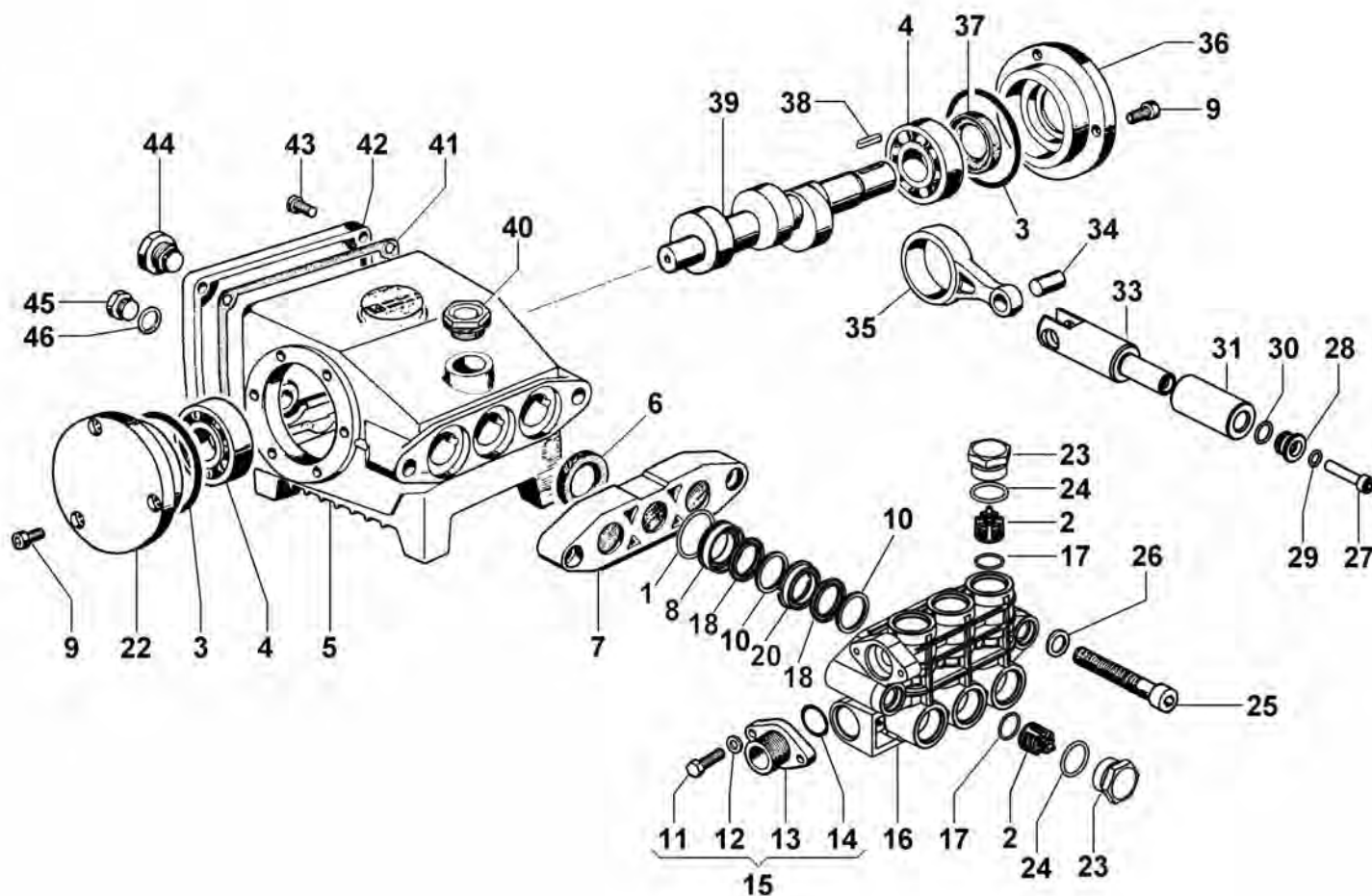
COPPIA DI SERRAGGIO - TORQUE CHART

CODICE CODE	Q.TY	N. POS.	C 40	
			N.m	Lbr.ft
86.2086.00.2	6	9	10	7.4
86.2190.00.2	2	11	10	7.4
38.0389.53.2	6	23	68	50.2
86.4080.00.2	2	25	68	50.2
86.2270.00.2	3	27	8 (LOCTITE 270)	5.9 (LOCTITE 270)
86.2131.00.2	4	43	10	7.4
86.3510.00.2	1	44	5	3.6
86.2543.00.2	1	45	10	7.4
TOLLERANZA DI SERRAGGIO:			0 → - 10%	
TOLERANCE ON TORQUE VALUE:			0 → - 10%	

KIT RICAMBI - SPARES KIT C 40

KIT RICAMBI - SPARES KIT																										C 40					
KIT	CODICE PART NUMBER		38.9905.97.3							38.9901.97.3			38.9902.97.3			38.9903.97.3					38.9904.97.3			38.9905.97.3							
	DESCRIZIONE DESCRIPTION		KIT POMPA PUMP KIT							VAM VALVES ASSY			GUARNIZ. PISTON PACKINGS			TENUTE COMPLETE COMPLETE PACKINGS					TAPPI VALVOLA VALVE CAPS			PARAOLI GUIDE PISTONI PLUNGERS OIL SEALS							
POSIZIONE ESPLOSO POSITION NUMBER			41	6	37	17	30	29	3	24	2	17	24	10	18	1	10	18	1	8	20	10	18	18	6						
QUANTITÀ NEL KIT QUANTITIES INCLUDED			1	3	1	6	3	3	2	6	6	6	6	6	6	3	6	6	3	3	3	6	6	6	3						

C 40



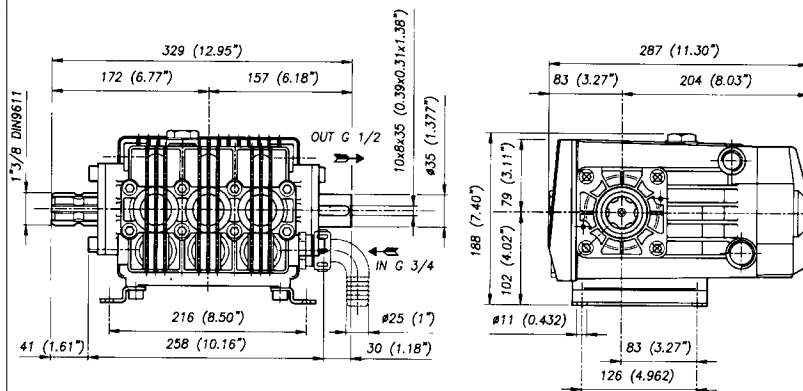
NOMENCLATURA RICAMBI POMPE A PISTONI "C 40"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	80.3208.20.2	3	ANELLO OR 2.62x34.6	33	38.0500.51.2	3	GUIDA PISTONE
2	08.9806.97.3	6	GR. VALVOLA A/M	34	85.2006.23.2	3	SPINOTTO D.12
3	80.3210.60.2	2	ANELLO OR 2.62x71,12	35	38.0063.08.2	3	BIELLA
4	81.2725.00.2	2	CUSCINETTO SFERE	36	38.6004.09.2	1	FLANGIA
5	38.6001.09.2	1	CARTER POMPA	37	80.2099.00.2	1	ANELLO RADIALE
6	80.2094.00.2	3	ANELLO RADIALE	38	80.6522.00.2	1	LINGUETTA 8x7x25
7	38.6397.09.2	1	DISTANZIALE CARTER	39	38.0457.26.2	1	ALBERO ECCENTRICO
8	38.0509.53.2	3	LANTERNA POSTERIORE	40	85.2694.10.2	1	TAPPO CARICO OLIO
9	86.2086.00.2	6	VITE TCEI M6x14 UNI5931	41	38.0065.66.2	1	GUARNIZIONE COPERCHIO
10	06.0015.32.2	6	ANELLO DI SPINTA D.25	42	38.6003.09.2	1	COPERCHIO CARTER
11	86.2190.00.2	2	VITE TE M6x22 UNI5739	43	86.2131.00.2	4	VITE TCEI M6x18 UNI5931
12	84.3585.00.2	2	ROSETTA D.6,4x12,5x1,6	44	85.3510.00.2	1	SPIA LIVELLO OLIO
13	31.0268.28.2	1	RACCORDO G.1/2 MASCHIO	45	85.2543.50.2	1	TAPPO G.1/4
14	80.3218.00.2	1	ANELLO OR 3,0x22	46	82.4079.00.2	1	GUARNIZIONE D.13,2x17x1
15	31.8878.97.3	1	GR. FLANGIA MANDATA G.1/2				
16	38.0507.09.2	1	CORPO POMPA C 40				
17	80.3069.00.2	6	ANELLO OR 1.78x18.77				
18	80.2091.50.2	6	ANELLO A "V" 25x35x5.5				
20	38.0508.53.2	3	LANTERNA ANTERIORE				
23	38.0510.53.2	6	TAPPO VALVOLA A/M				
24	80.3204.00.2	6	ANELLO OR 2.62x23.81				
25	86.4090.00.2	2	VITE TCEI M12x100 UNI5931				
26	84.3896.00.2	2	ROSETTA SCHNORR D.13				
27	86.2270.00.2	3	VITE TCEI M6x30 UNI5931 INOX				
28	38.0506.53.2	3	RONDELLA FISSAGGIO PISTONE				
29	80.3058.00.2	3	ANELLO OR 1.78x10.82				
30	80.3060.00.2	3	ANELLO OR 1,78x12,42				
31	06.0011.18.2	3	PISTONE CERAMICO D.25				

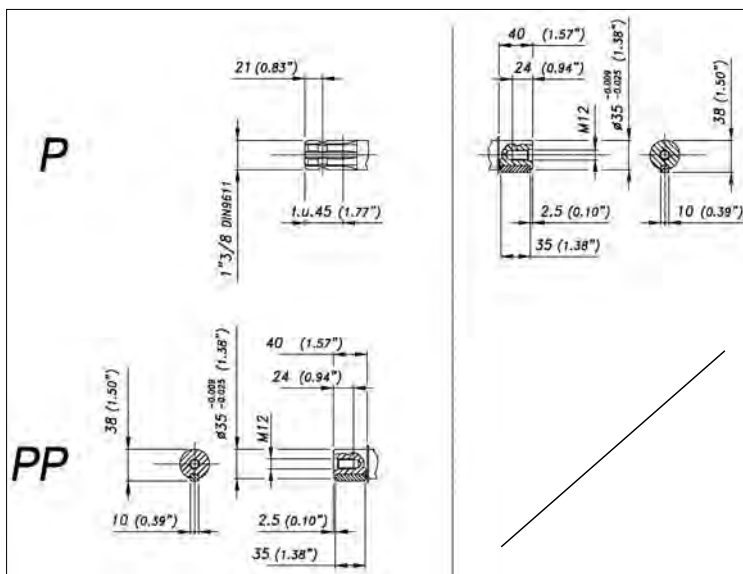
**IDROMECCANICA®
BERTOLINI**



C 53.2 P



ALBERO POMPA - PUMP SHAFT



Installation and general safety information
Page 8

Maintenance instructions for piston pumps
Page 12

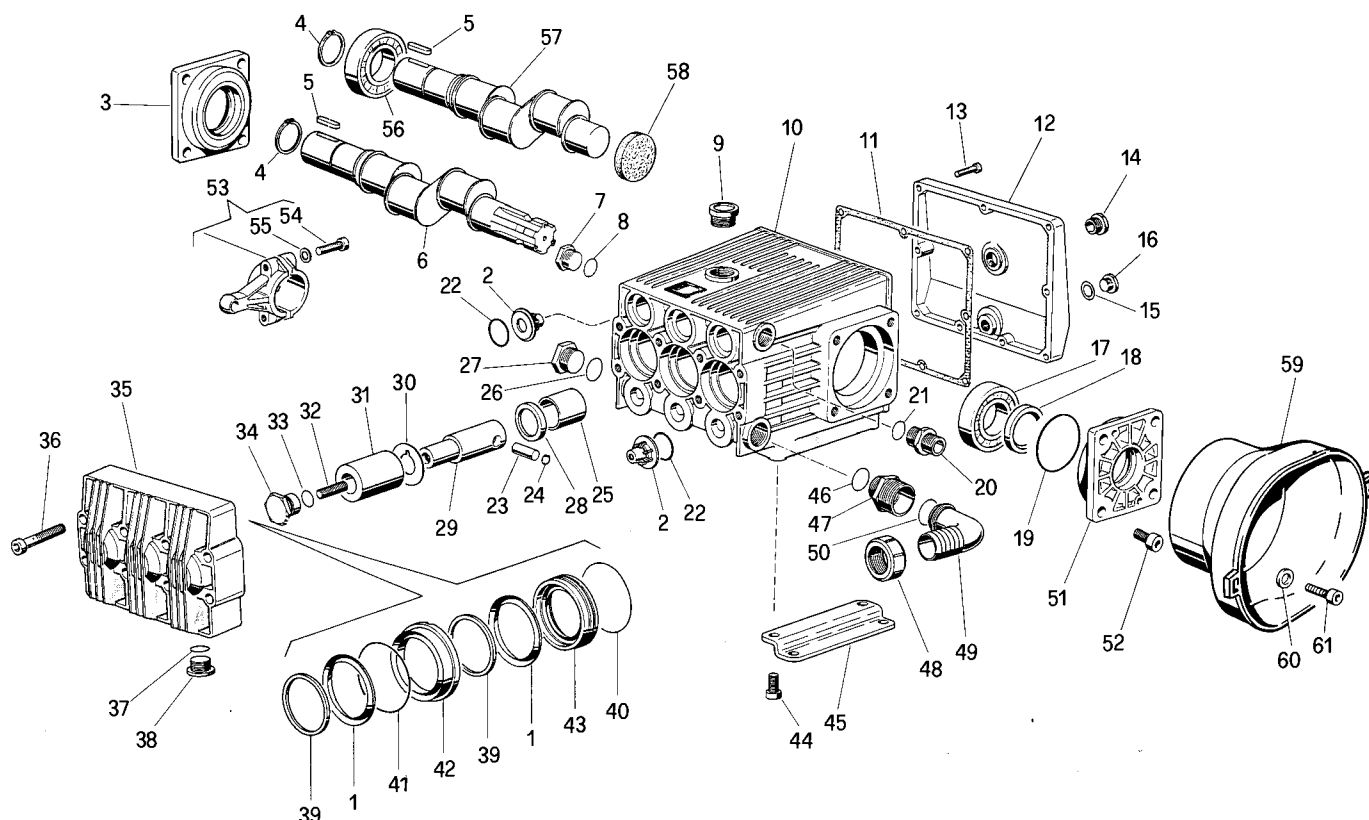
COPPIA DI SERRAGGIO - TORQUE CHART

CODICE CODE	Q.TY	N. POS.	C 53.2 P - PP	
			N.m	Lbr.ft
86.2216.00.2	9	13	10	7.4
86.2730.00.2	6	54	22 (LOCTITE 242)	16.2 (LOCTITE 242)
86.3521.00.2	8	36	40	29.6
53.0015.53.2	3	34	35 (LOCTITE 242)	25.9 (LOCTITE 242)
86.3325.00.2	3	32	28 (LOCTITE 270)	20.7 (LOCTITE 270)
86.3212.00.2	4	44	40	29.6
86.3185.00.2	8	52	40	29.6
TOLLERANZA DI SERRAGGIO:			0 → - 10%	
TOLERANCE ON TORQUE VALUE:			0 → - 10%	

KIT RICAMBI - SPARES KIT C 53.2 P - PP

KIT	CODICE PART NUMBER	53.9814.97.3							53.9812.97.3		53.9810.97.3				53.9816.97.3						53.9817.97.3					
	DESCRIZIONE DESCRIPTION	KIT POMPA PUMP KIT							VAM VALVES ASSY		GUARNIZ. PISTON PACKINGS				TENUTE COMPLETE COMPLETE PACKINGS						PARAOILI GUIDE PISTONI PLUNGERS OIL SEALS					
POSIZIONE ESPLOSO POSITION NUMBER		11	28	18	33	19	22	58	2	22	39	1	41	40	39	1	41	40	42	43	28					
QUANTITÀ NEL KIT QUANTITIES INCLUDED		1	3	2	3	2	6	1	6	6	6	6	3	3	6	6	3	3	3	3	3					

C 53.2 P - PP



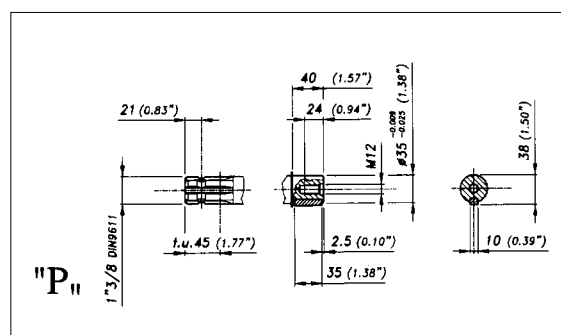
NOMENCLATURA RICAMBI POMPE A PISTONI "C 53.2 P - PP"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	80.2170.00.2	6	ANELLO DI TENUTA A "V" D.38	35	53.9802.97.3	1	ASSIEME TESTATA
2	53.9801.97.3	6	GRUPPO VALVOLA A/M	36	86.3521.00.2	8	VITE TCEI M10x60 UNI5931
3	53.0013.09.2	1	COPERCHIO CUSCINETTO LATO D.35	37	80.3187.00.2	3	ANELLO OR 2,62x17,86
4	80.1264.00.2	1	ANELLO SEEGER D.35	38	85.2625.00.2	3	TAPPO
5	80.6578.00.2	1	LINGUETTA 10x8x35	39	53.0014.32.2	6	ANELLO DI SPINTA
6	53.0006.26.2	1	ALBERO ECCENTRICO (vr."P")	40	80.3209.60.2	3	ANELLO OR 2,62x47,3
7	85.2633.00.2	1	TAPPO G.1/2	41	80.3265.00.2	3	ANELLO OR 3,53x46,04
8	80.3187.00.2	1	ANELLO OR 2,62x17,86	42	53.0009.53.2	3	LANTERNA ANTERIORE
9	85.3518.00.2	1	TAPPO CARICO OLIO	43	53.0008.53.2	3	LANTERNA POSTERIORE
10	53.0022.09.2	1	CARTER POMPA	44	86.3212.00.2	4	VITE TCEI M10x20 UNI5931
11	53.0012.72.2	1	GUARNIZIONE COPERCHIO	45	53.0010.61.2	2	PIEDINO POMPA
12	53.0003.09.2	1	COPERCHIO CARTER	46	80.3205.00.2	1	ANELLO OR 2,62x25,07
13	86.2216.00.2	9	VITE TCEI M6x25 UNI5931	47	83.5062.10.2	1	NIPPLO G.3/4-M34x2
14	85.3505.00.2	1	SPIA LIVELLO OLIO	48	82.0049.00.2	1	GALLETTO M34
15	82.4081.00.2	1	GUARNIZIONE D.13,2x19x1,5 FIBRA	49	84.0542.00.2	1	RACCORDO CURVO D.25
16	85.2542.50.2	1	TAPPO G.1/4	50	80.3200.00.2	1	ANELLO OR 2,62x22,22
17	81.2846.00.2	2÷1	CUSCINETTO SFERE	51	53.0024.09.2	1	COPERCHIO CUSCINETTO LATO 1"3/8
18	80.2143.10.2	2÷1	ANELLO RADIALE	52	86.3212.00.2	8	VITE TCEI M10x20 UNI5931
19	80.3287.00.2	2	ANELLO OR 3,53x82,14	53	53.9800.97.2	3	BIELLA COMPLETA
20	83.5051.10.2	1	NIPPLO G.1/2	54	86.2730.00.2	6	VITE TCEI M8x30 UNI5931
21	80.3187.00.2	1	ANELLO OR 2,62x17,86	55	84.3652.00.2	6	ROSETTA D.8,4x13x1,2
22	80.3320.00.2	6	ANELLO OR 5,0x26	56	81.2848.00.2	1	CUSCINETTO RULLI (vr."PP")
23	85.2006.24.2	3	SPINOTTO D.12x27	57	53.0020.26.2	1	ALBERO ECCENTRICO (vr."PP")
24	80.1080.00.2	6	ANELLO D.12	58	80.2099.60.2	1	CAPPELLOTTA D.52x7 (vr."PP")
25	80.4460.00.2	3	BOCCOLA ANTIFRIZIONE	59	31.1468.32.2	1	CUFFIA DI PROTEZIONE (OPTIONAL)
26	80.3205.00.2	1	ANELLO OR 2,62x25,07	60	84.3801.00.2	4	ROSETTA D.10,5x18x2 (OPTIONAL)
27	85.2680.00.2	1	TAPPO G.3/4	61	86.3265.00.2	4	VITE TCEI M10x25 UNI5931 (OPTIONAL)
28	80.2133.00.2	3	ANELLO RADIALE				
29	53.0021.09.2	3	GUIDA PISTONE				
30	53.0017.68.2	3	RONDELLA PARASPRUZZI				
31	53.0018.18.2	3	PISTONE CERAMICO D.38				
32	86.3325.00.2	3	VITE STEI M10x35 UNI5923				
33	80.3182.50.2	3	ANELLO OR 2,62x17,13 VITON				
34	53.0015.53.2	3	TAPPO SERRAGGIO PISTONE				

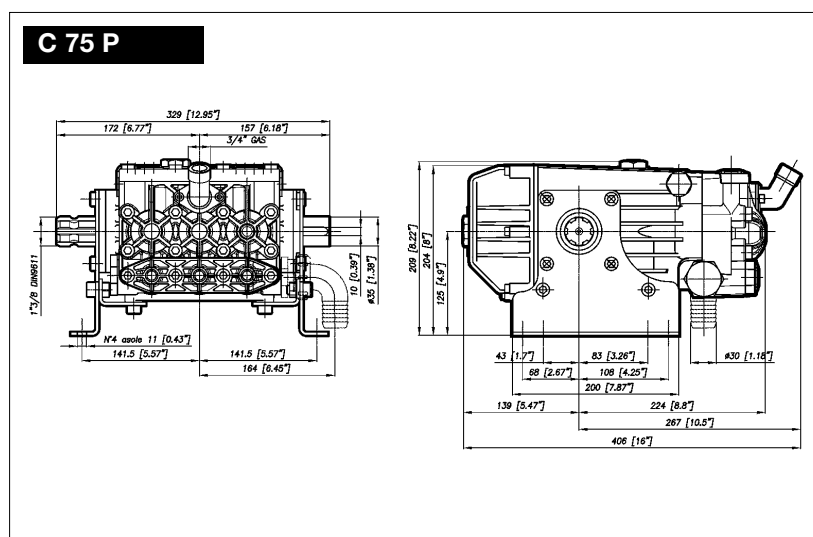
C 75 P



ALBERO POMPA - PUMP SHAFT



DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



Installazione e norme generali di sicurezza
Pag. 2

Installation and general safety information
Page 8

Istruzioni di manutenzione pompe a pistoni
Pag. 6

Maintenance instructions for piston pumps
Page 12

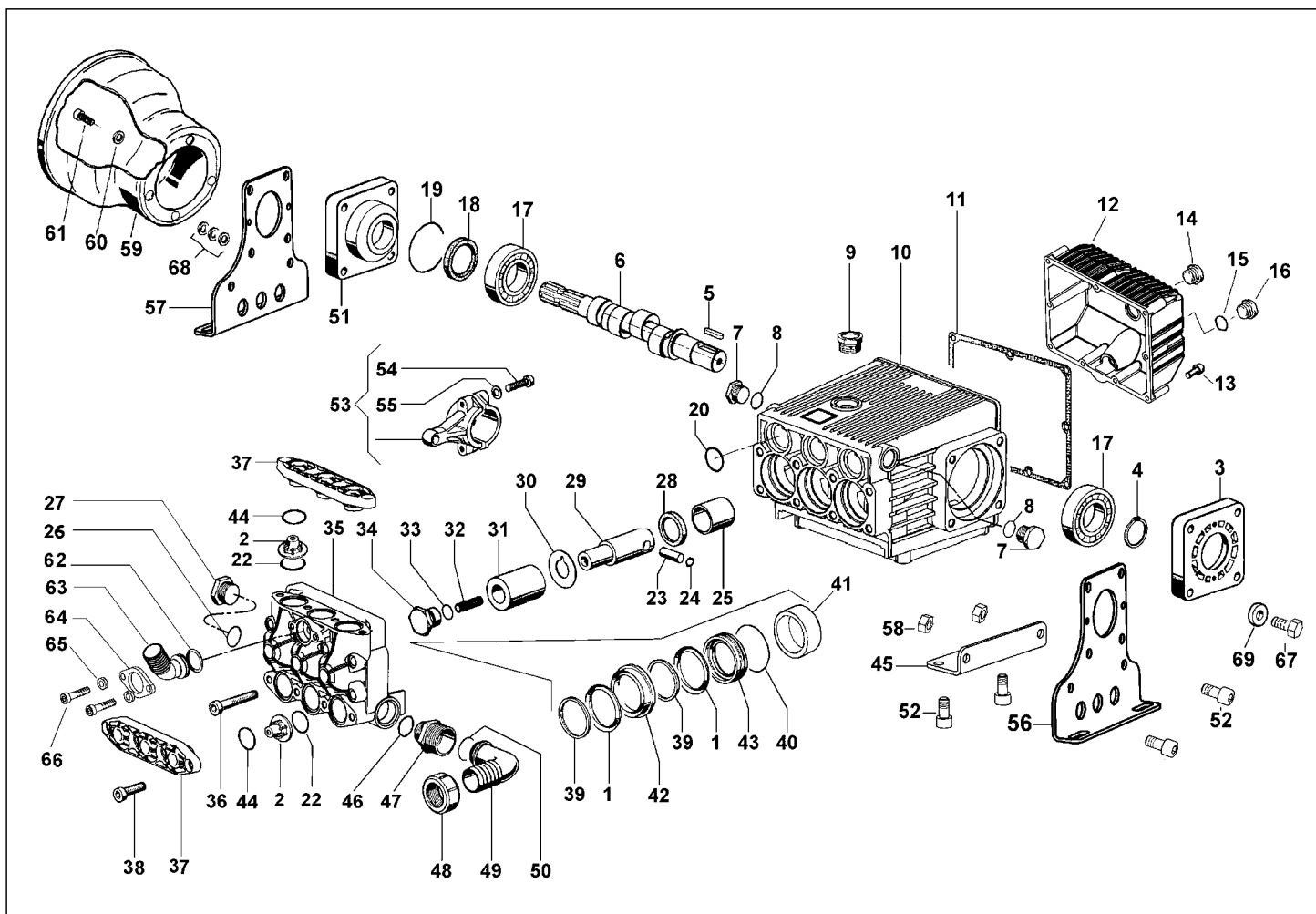
COPPIA DI SERRAGGIO - TORQUE CHART

CODICE CODE	Q.TY	N. POS.	C 75 P	
			N.m	Lbr.ft
86.2330.00.2	9	13	10	7.4
86.2730.00.2	6	54	22 (LOCTITE 242)	16.2 (LOCTITE 242)
86.3562.00.2	8	36	40	29.6
86.3300.00.2	8	38	40	29.6
53.0015.53.2	3	34	35 (LOCTITE 242)	25.9 (LOCTITE 242)
86.3325.00.2	3	32	28 (LOCTITE 270)	20.7 (LOCTITE 270)
86.2108.00.2	2	66	10	7.4
86.3212.00.2	8	52	40	29.6
86.3254.00.2	8	67	40	29.6
TOLLERANZA DI SERRAGGIO:			0 → - 10%	
TOLERANCE ON TORQUE VALUE:			0 → - 10%	

KIT RICAMBI - SPARES KIT C 75 P

KIT	53.9822.97.3												53.9821.97.3			53.9820.97.3			53.9817.97.3			53.9823.97.3					
	KIT POMPA C75. PUMP KIT C75.												VAM VALVES ASSY			GUARNIZ. PISTON PACKINGS			PARAOILI GUIDE PISTONI PLUNGERS OIL SEALS			TENUTE COMPLETE COMPLETE PACKINGS					
POSIZIONE ESPLOSO POSITION NUMBER	11	28	18	33	19	22	58	20	44	8	15	62	2	22	44	39	1	40	28			39	1	40	41	42	43
QUANTITÀ NEL KIT QUANTITIES INCLUDED	1	3	2	3	2	6	1	3	6	2	1	1	6	6	6	6	6	3	3			6	6	6	3	3	3

C 75 P



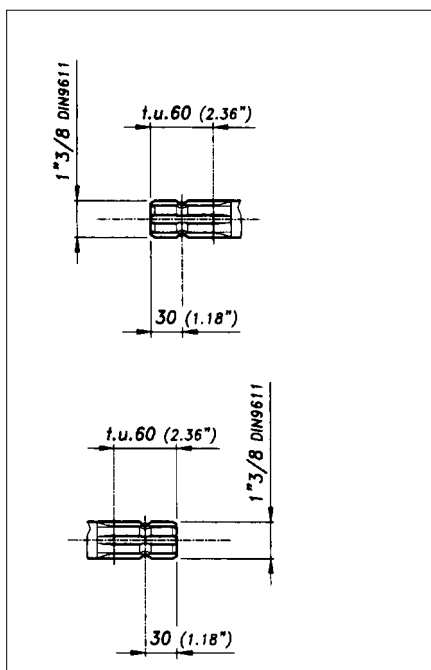
NOMENCLATURA RICAMBI POMPE A PISTONI "C 75 P"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	80.2170.00.2	6	ANELLO DI TENUTA A "V" D.38	38	86.3300.00.2	8	VITE TCEI M10x30
2	53.9803.97.3	6	GRUPPO VALVOLA A/M	39	53.0014.32.2	6	ANELLO DI SPINTA
3	53.0036.09.2	1	COPERCHIO CUSCINETTO LATO D.35	40	80.3209.60.2	3	ANELLO OR 2,62x47,3
4	80.1264.00.2	1	ANELLO SEEGER D.35	41	53.0032.48.2	3	DISTANZIALE LANTERNE
5	80.6578.00.2	1	LINGUETTA 10x8x35	42	53.0031.53.2	3	LANTERNA ANTERIORE
6	53.0029.26.2	1	ALBERO ECCENTRICO	43	53.0030.53.2	3	LANTERNA POSTERIORE
7	85.2629.00.2	2	TAPPO G.1/2	44	80.3207.00.2	6	ANELLO OR 2.62x29.82
8	80.3187.00.2	2	ANELLO OR 2,62x17,86	45	53.0036.61.2	2	STAFFE ATTACCO PIEDINI
9	06.0020.32.2	1	TAPPO CARICO OLIO	46	80.3206.00.2	1	ANELLO OR 2.62x28.25
10	53.0025.09.2	1	CARTER POMPA	47	83.5089.00.2	1	NIPPLO G.1"-G.1"1/4
11	53.0012.72.2	1	GUARNIZIONE COPERCHIO	48	82.0067.50.2	1	GALLETTO G.1"1/4
12	53.0033.08.2	1	COPERCHIO POSTERIORE	49	84.0560.00.2	1	RACCORDO CURVO D.30
13	86.2330.00.2	9	VITE TCEI M6x40 UNI5931	50	80.3219.00.2	1	ANELLO OR 3x25
14	85.3515.50.2	1	SPIA OLIO	51	53.0035.09.2	1	COPERCHIO CUSCINETTO LATO 1"3/8
15	80.3217.50.2	1	ANELLO OR 3X19	52	86.3212.00.2	8	VITE TCEI M10x20 UNI5931
16	85.2688.00.2	1	TAPPO G.3/4	53	53.9800.97.2	3	BIELLA COMPLETA
17	81.2846.00.2	2	CUSCINETTO SFERE	54	86.2730.00.2	6	VITE TCEI M8x30 UNI5931
18	80.2143.10.2	2	ANELLO RADIALE	55	84.3652.00.2	6	ROSETTA D.8,4x13x1,2
19	80.3287.00.2	2	ANELLO OR 3,53x82,14	56	53.0037.61.2	1	SUPPORTO LATERALE DESTRO
20	80.3247.50.2	3	ANELLO 3.53x28.17	57	53.0038.61.2	1	SUPPORTO LATERALE SINISTRO
22	80.3204.00.2	6	ANELLO OR 2.62x23.81	58	81.4632.00.2	4	DADO M10 UNI 5588
23	85.2006.24.2	3	SPINOTTO D.12x27	59	31.1468.32.2	1	CUFFIA DI PROTEZIONE (OPTIONAL)
24	80.1080.00.2	6	ANELLO D.12	60	84.3685.60.2	2	ROSETTA D.8,4x17x1,6 (OPTIONAL)
25	80.4460.00.2	3	BOCCOLA ANTIFRIZIONE	61	86.2475.00.2	2	VITE TCEI M8x14 UNI5931 (OPTIONAL)
26	80.3206.00.2	1	ANELLO OR 2.62x28.25	62	80.3218.00.2	1	ANELLO OR 3x22
27	85.2720.00.2	1	TAPPO G.1"	63	31.1516.09.2	1	RACCORDO ORIENTABILE G. 3/4
28	80.2133.00.2	3	ANELLO RADIALE	64	31.1517.61.2	1	FLANGIA BLOCC. RACC. ORIENTABILE
29	53.0028.09.2	3	GUIDA PISTONE	65	84.3585.00.2	2	ROSETTA UNI 6592
30	53.0017.68.2	3	RONDELLA PARASPRUZZI	66	86.2108.00.2	2	VITE TCEI M6x16 UNI5931
31	53.0018.18.2	3	PISTONE CERAMICO D.38	67	86.3254.00.2	8	VITE TE M10x25 UNI5739
32	86.3325.00.2	3	VITE STEI M10x35 UNI5923	68	84.3696.00.2	6	ROSETTA D.8,4x18x2 (OPTIONAL)
33	80.3182.50.2	3	ANELLO OR 2,62x17,13 VITON	69	84.3810.00.2	8	ROSETTA D.10,5x21x2
34	53.0015.53.2	3	TAPPO SERRAGGIO PISTONE				
35	53.0026.09.2	1	TESTATA POMPA				
36	86.3562.00.2	8	VITE TCEI M10x70 UNI5931				
37	53.0027.09.2	2	COPERCHIO VALVOLE				

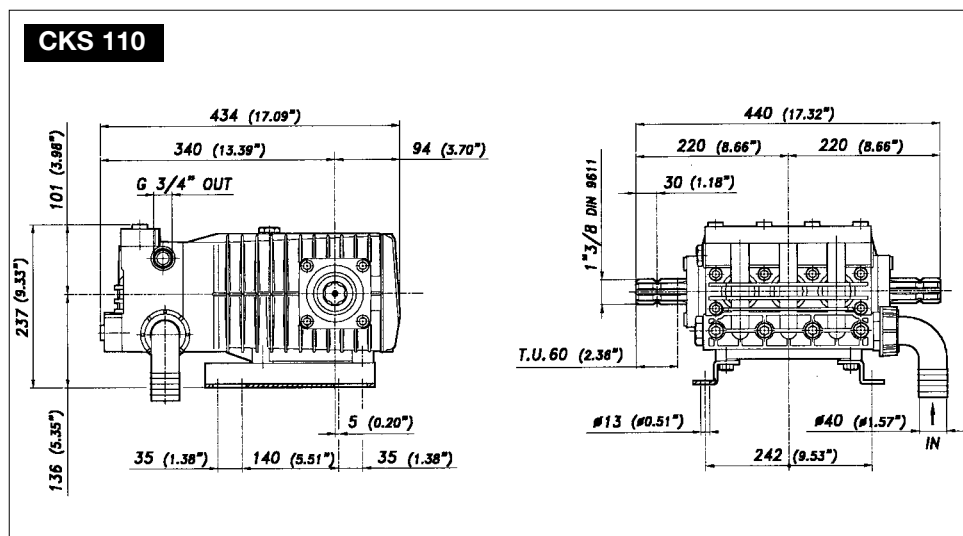
CKS 110



ALBERO POMPA - PUMP SHAFT



DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



Installazione e norme generali di sicurezza
Pag. 2

Installation and general safety information
Page 8

Istruzioni di manutenzione pompe a pistoni
Pag. 6

Maintenance instructions for piston pumps
Page 12

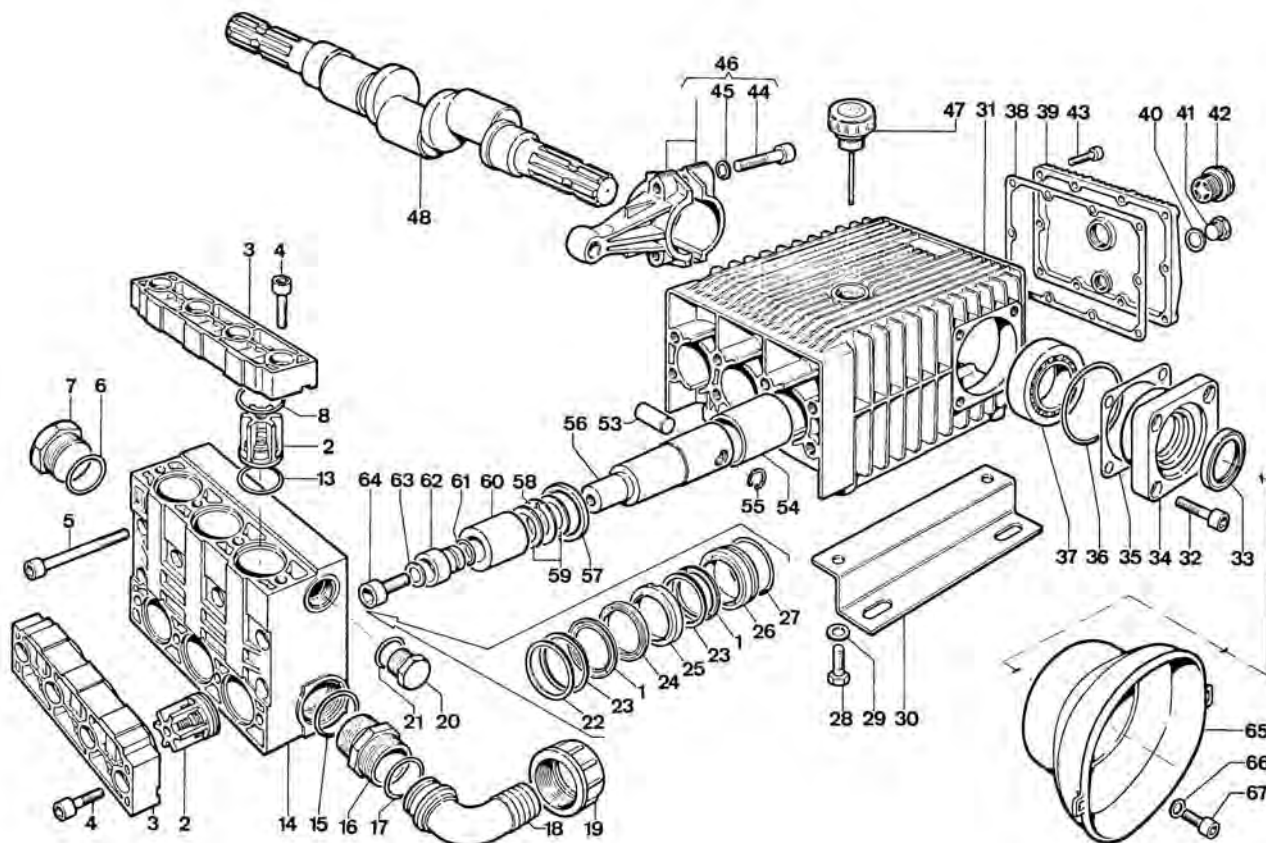
COPPIA DI SERRAGGIO - TORQUE CHART

CODICE CODE	Q.TY	N. POS.	CKS 110	
			N.m	Lbr.ft
86.4200.00.2	8	4	108	79.7
86.4090.00.2	6	5	68	50.2
86.2216.00.2	10	43	10	7.4
86.3439.00.2	6	44	40	29.5
86.3696.00.2	8	32	50	36.9
86.3703.00.2	4	28	68 (LOCTITE 242)	50.2 (LOCTITE 242)
86.3950.00.2	3	64	40 (LOCTITE 242)	29.5 (LOCTITE 242)
TOLLERANZA DI SERRAGGIO:			0 → - 10%	
TOLERANCE ON TORQUE VALUE:			0 → - 10%	

KIT RICAMBI - SPARES KIT CKS 110

KIT	CODICE PART NUMBER		73.1027.97.3						73.9870.97.3			73.9841.97.3			73.9843.97.3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
	DESCRIZIONE DESCRIPTION		KIT POMPA PUMP KIT						VAM VALVES ASSY			GUARNIZ. PISTON PACKINGS			GUARNIZ. VITON-PIST. PACKINGS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
POSIZIONE ESPLOSO POSITION NUMBER			38	33	57	61	8	13	36	2	8	13	24	23	1	27	24	23	1	27																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										</

CKS 110



NOMENCLATURA RICAMBI POMPE A PISTONI "CKS 110"

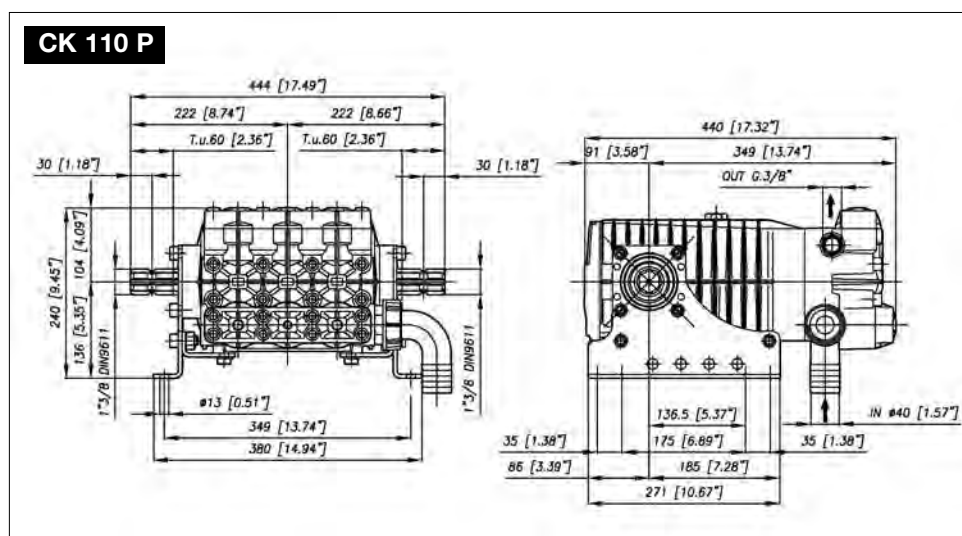
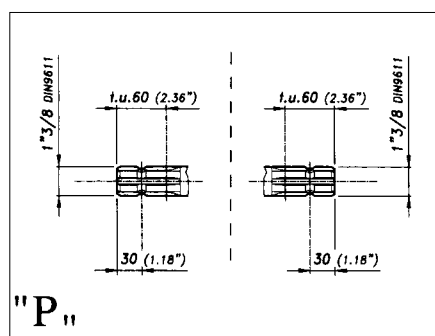
POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	80.2200.00.2	6	ANELLO TENUTA "V" D.45	40	82.4107.00.2	1	GUARNIZIONE D.16,5x23x1
2	73.9801.97.3	6	GR. VALVOLA A/M	41	85.2579.00.2	1	TAPPO G.3/8
3	73.0017.09.2	2	COPERCHIO VALVOLE	42	85.3515.50.2	1	SPIA LIVELLO OLIO CON OR
4	86.4200.00.2	8	VITE TCEI M14x40 UNI5931	43	86.2216.00.2	10	VITE TCEI M6x25 UNI5931
5	86.4090.00.2	6	VITE TCEI M12x100 UNI5931	44	86.3439.00.2	6	VITE TCEI M10x45 UNI5931
6	80.3209.00.2	1	ANELLO OR 2,62x39,34	45	84.3870.00.2	6	ROSETTA SCHNORR D.10,5
7	85.2740.00.2	1	TAPPO G.1"1/4	46	73.9802.97.3	3	BIELLA COMPLETA
8	80.3262.00.2	6	ANELLO OR 3,53x41,28	47	85.3516.00.2	1	TAPPO + ASTA LIVELLO OLIO
13	80.3251.00.2	6	ANELLO OR 3,53x32,93	48	73.0032.26.2	1	ALBERO ECCENTRICO (vr."P")
14	73.0214.09.2	1	CORPO POMPA	53	85.2007.40.2	3	SPINOTTO D.18x35
15	80.3209.00.2	1	ANELLO OR 2,62x39,34	54	80.4468.00.2	3	BOCCOLA AUTOLUBRIFICANTE
16	83.5090.35.2	1	NIPPLIO G.1"1/4-G.1"1/2	55	80.1137.00.2	6	ANELLO ELS D.18 PER FORO
17	80.3219.10.2	1	ANELLO OR 3,0x30	56	73.0407.09.2	3	GUIDA PISTONE
18	84.0591.00.2	1	RACCORDO CURVO D.40	57	80.2180.00.2	3	ANELLO RADIALE
19	82.0070.00.2	1	GALLETTO G.1"1/2	58	84.4301.00.2	3	ROSETTA PARASPRUZZI
20	85.2693.00.2	1	TAPPO G.3/4	59	73.0056.53.2	6	DISTANZIALE FISSAGGIO PISTONE
21	80.3218.00.2	1	ANELLO OR 3,0x22	60	73.0010.18.2	3	PISTONE CERAMICO D.45
22	73.0039.53.2	3	DISTANZIALE DI FONDO	61	80.3195.50.2	3	ANELLO OR 2,62x20,24 VITON
23	73.0044.32.2	6	ANELLO DI SPINTA	62	73.0041.51.2	3	RONDELLA FISSAGGIO PISTONE
24	73.0040.32.2	3	ANELLO ANTIESTRUSIONE	63	84.3872.00.2	3	RONDELLA CON TENUTA
25	73.0058.53.2	3	LANTERNA ANTERIORE	64	86.3950.00.2	3	VITE TCEI M12x45 UNI5931 INOX
26	73.0070.53.2	3	LANTERNA POSTERIORE	65	31.1482.32.2	1	CUFFIA DI PROTEZIONE (OPTIONAL)
27	80.3283.00.2	3	ANELLO OR 3,53x58,74	66	84.3710.00.2	2	ROSETTA D.9x24x2 UNI6593 (OPTIONAL)
28	86.3703.00.2	4	VITE TE M12x25 UNI5739	67	86.2475.00.2	2	VITE TCEI M8x14 UNI5931 (OPTIONAL)
29	84.3906.00.2	4	ROSETTA ELS D.13 UNI1751				
30	73.0024.61.2	2	PIEDINO POMPA				
31	73.0400.09.2	1	CARTER POMPA				
32	86.3696.00.2	8	VITE TCEI M12x25 UNI5931				
33	80.2143.00.2	2	ANELLO RADIALE				
34	73.0412.09.2	2	SUPPORTO CUSCINETTO D.72				
35	73.0413.65.2	1	SPESSORE SP.0,1				
35	73.0414.65.2	1	SPESSORE SP.0,2				
36	80.3210.67.2	2	ANELLO OR 2,62x88,57				
37	81.2859.00.2	2	CUSCINETTO RULLI CON.				
38	73.0065.72.2	1	GUARNIZIONE COPERCHIO POSTERIORE				
39	73.0401.09.2	1	COPERTURA POSTERIORE				

★ IN VITON REPLACE THE LAST 3 NUMBERS BY...50.2

**IDROMECCANICA[®]
BERTOLINI**



DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS

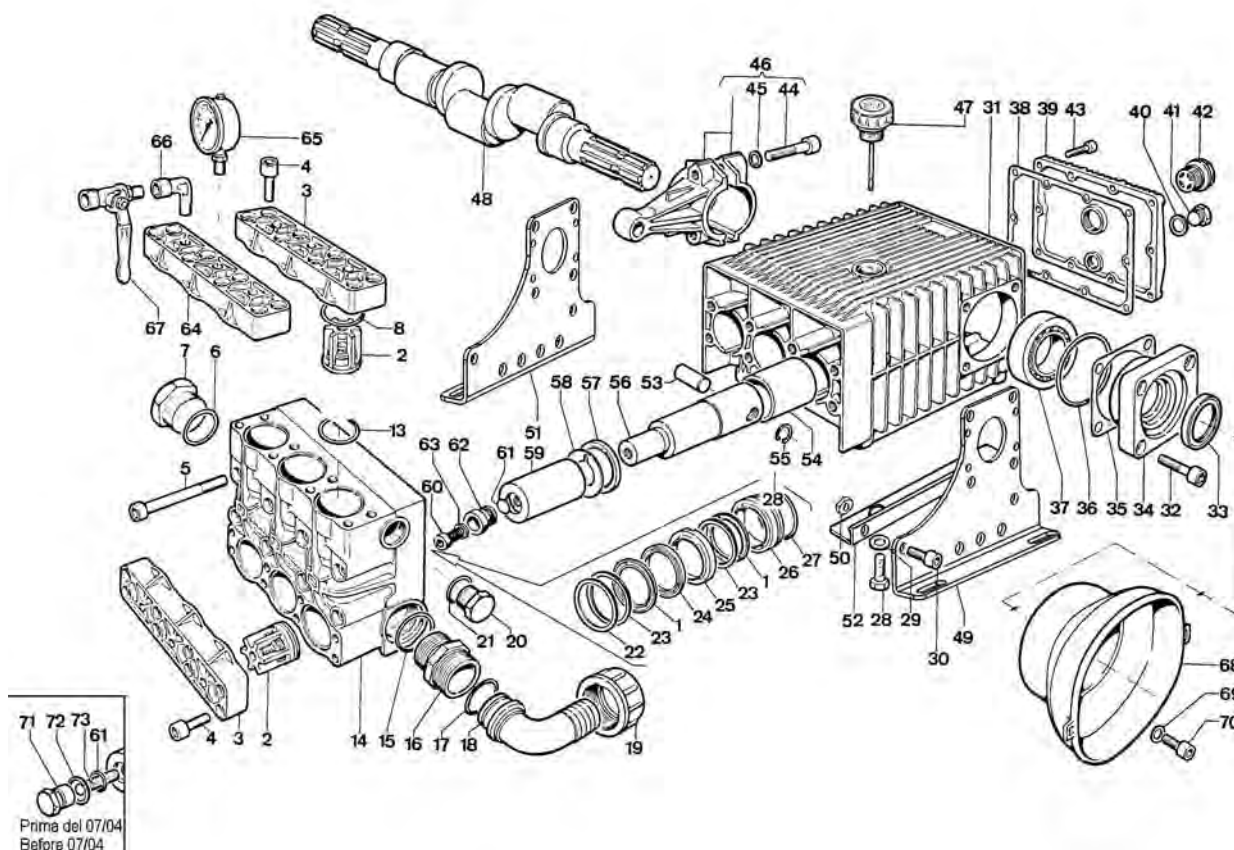


Maintenance instructions for piston pumps
Page 12

CODICE CODE	Q.TY	N. POS.	CK 110 P	
			N.m	Lbr.ft
86.3910.00.2	16	4	68	50.2
86.3960.00.2	3	60	40 (LOCTITE 242)	29.5 (LOCTITE 242)
86.4120.00.2	8	5	68	50.2
86.3703.00.2	4	28	68 (LOCTITE 242)	50.2 (LOCTITE 242)
86.3910.00.2	8	32	50	36.9
86.3696.00.2	4	30	50	36.9
86.2216.00.2	10	43	10	7.4
86.3439.00.2	6	44	40	29.5
73.0048.53.2	3	63	40 (LOCTITE 270)	29.5 (LOCTITE 270)
TOLLERANZA DI SERRAGGIO:			0 → - 10%	
TOLERANCE ON TORQUE VALUE:			0 → - 10%	

[illegible]

CK 110 P



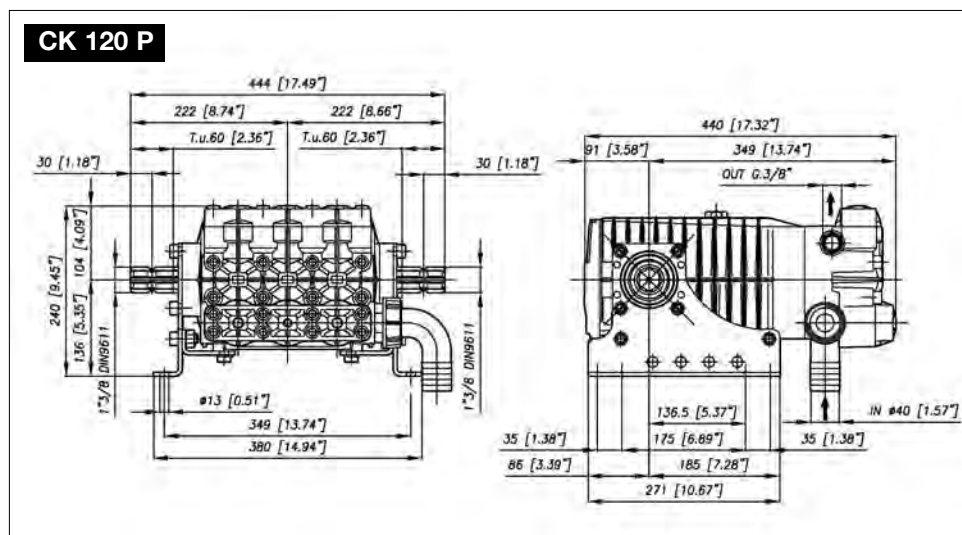
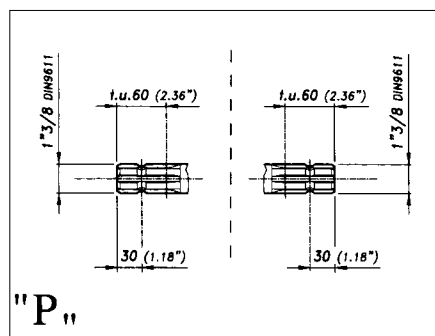
NOMENCLATURA RICAMBI POMPE A PISTONI "CK 110 P"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	80.2200.00.2	6	ANELLO TENUTA "V" D.45	41	85.2579.00.2	1	TAPPO G.3/8
2	73.9824.97.3	6	GR. VALVOLA A/M	42	85.3515.50.2	1	SPIA LIVELLO OLIO CON OR
3	73.0416.09.2	2	COPERCHIO VALVOLE	43	86.2216.00.2	10	VITE TCEI M6x25 UNI5931
4	86.3910.00.2	16	VITE TCEI M12x40 UNI5931	44	86.3439.00.2	6	VITE TCEI M10x45 UNI5931
5	86.4120.00.2	8	VITE TCEI M12x110 UNI5931	45	84.3870.00.2	6	ROSETTA SCHNORR D.10,5
6	80.3209.60.2	1	ANELLO OR 2,62x47,3	46	73.9802.97.3	3	BIELLA COMPLETA
7	85.2752.00.2	1	TAPPO G.1"1/2	47	85.3516.00.2	1	TAPPO + ASTA LIVELLO OLIO
8	80.3270.00.2	6	ANELLO OR 3,53x49,2	48	73.0032.26.2	1	ALBERO ECCENTRICO (vr."P")
13	80.3253.00.2	6	ANELLO OR 3,53x34,52	49	73.0226.61.2	1	PIEDINO DX
14	73.0415.09.2	1	CORPO POMPA	50	81.4706.00.2	4	DADO AUTOBLOCCANTE M12
15	80.3209.60.2	1	ANELLO OR 2,62x47,3	51	73.0227.61.2	1	PIEDINO SX
16	83.5092.50.2	1	NIPPLO G.1"1/2-G.1"3/4	52	73.0228.61.2	2	STAFFA
17	80.3208.50.2	1	ANELLO OR 2,62x37,77	53	85.2007.40.2	3	SPINOTTO D.18x35
18	84.0595.00.2	1	RACCORDO CURVO D.40	54	80.4468.00.2	3	BOCCOLA AUTOLUBRIFICANTE
19	82.0095.00.2	1	GALLETTO G.1"3/4	55	80.1137.00.2	6	ANELLO ELS D.18 PER FORO
20	85.2693.00.2	1	TAPPO G.3/4	56	73.0407.09.2	3	GUIDA PISTONE
21	80.3218.00.2	1	ANELLO OR 3,0x22	57	80.2180.00.2	3	ANELLO RADIALE
22	73.0039.53.2	3	DISTANZIALE DI FONDO	58	84.4301.00.2	3	ROSETTA PARASPRUZZI
23	73.0044.32.2	6	ANELLO DI SPINTA	59	73.0410.18.2	3	PISTONE CERAMICO D.45
24	73.0040.32.2	3	ANELLO ANTIESTRUSIONE	60	86.3986.00.2	3	VITE TCEI M12X50 UNI 5931 INOX
25	73.0058.53.2	3	LANTERNA ANTERIORE	61	80.3195.50.2	3	ANELLO OR 2,62x20,24 VITON
26	73.0070.53.2	3	LANTERNA POSTERIORE	62	73.0041.51.2	3	RONDELLA BLOCCAGGIO PISTONE
27	80.3283.00.2	3	ANELLO OR 3,53x58,74	63	84.3872.00.2	3	RONDELLA CON TENUTA
28	86.3703.00.2	4	VITE TE M12x25 UNI5739	64	73.0402.09.2	1	COPERCHIO VALVOLE FILET. (OPTIONAL)
29	84.3906.00.2	4	ROSETTA ELS D.13 UNI1751	65	83.0080.00.2	1	MANOMETRO (OPTIONAL)
30	86.3696.00.2	4	VITE TCEI M12x25 UNI5931	66	82.2044.50.2	1	GOMITO M/F G.3/8 (OPTIONAL)
31	73.0400.09.2	1	CARTER POMPA	67	84.5544.10.2	1	RUBINETTO A SFERA (OPTIONAL)
32	86.3910.00.2	8	VITE TCEI M12x40 UNI5931	68	31.1482.32.2	1	CUFFIA DI PROTEZIONE (OPTIONAL)
33	80.2143.00.2	2	ANELLO RADIALE	69	84.3710.00.2	2	ROSETTA D.9x24x2 UNI6593 (OPTIONAL)
34	73.0412.09.2	2	SUPPORTO CUSCINETTO D.72	70	86.2475.00.2	2	VITE TCEI M8x14 UNI5931 (OPTIONAL)
35	73.0413.65.2	1	SPESSORE SP.0,1	71	73.0048.53.2	3	TAPPO SERRAGGIO PISTONE
35	73.0414.65.2	1	SPESSORE SP.0,2	72	82.4161.00.2	3	GUARNIZIONE D.25,3x30x1
36	80.3210.67.2	2	ANELLO OR 2,62x88,57	73	86.3960.00.2	3	VITE STEI M12x45 UNI5923 INOX
37	81.2859.00.2	2	CUSCINETTO RULLI CON.				
38	73.0065.72.2	1	GUARNIZIONE COPERCHIO POSTERIORE				
39	73.0401.09.2	1	COPERCHIO POSTERIORE				
40	82.4107.00.2	1	GUARNIZIONE D.16,5x23x1				

**IDROMECCANICA[®]
BERTOLINI**



DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS

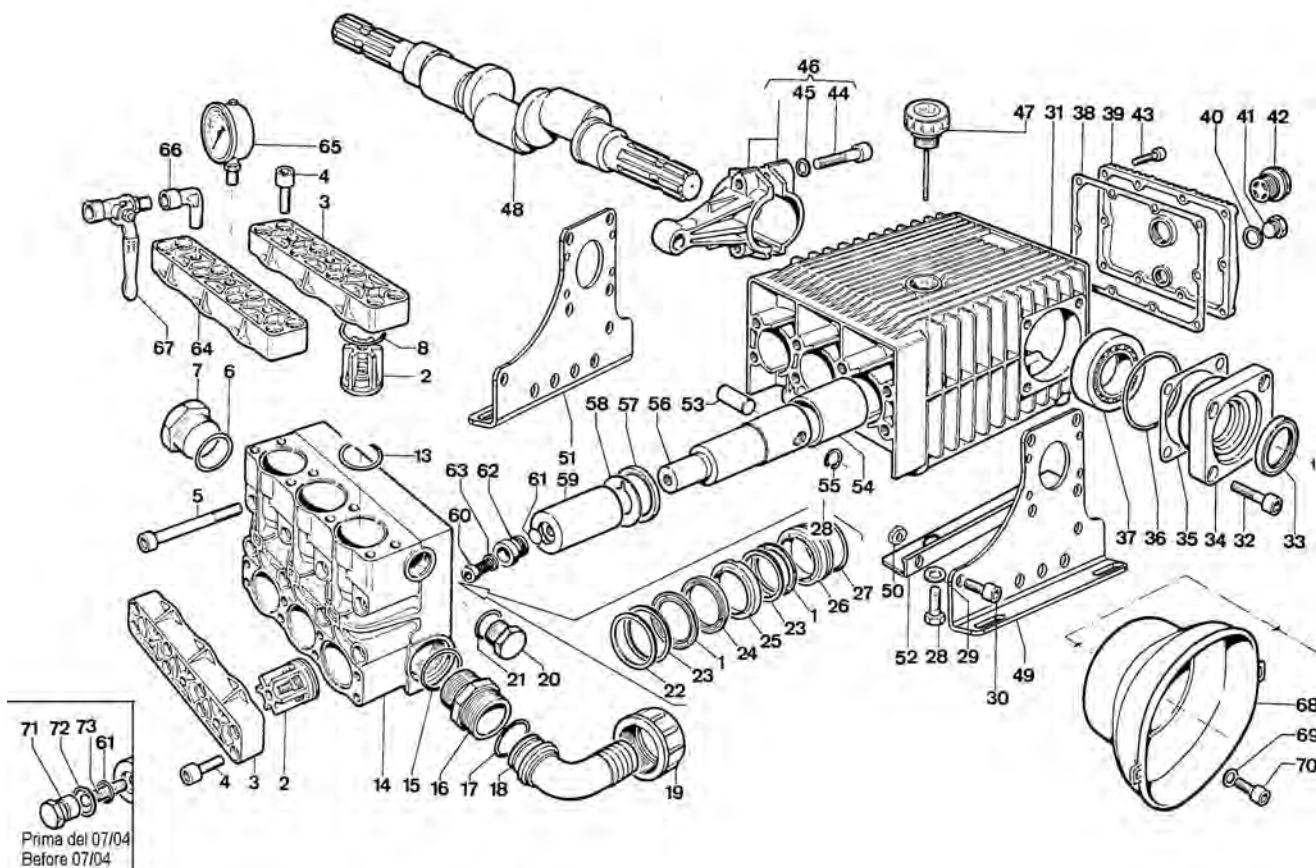


Maintenance instructions for piston pumps
Page 12

CODICE CODE	Q.TY	N. POS.	CK 120 P	
			N.m	Lbr.ft
86.3910.00.2	16	4	68	50.2
86.3960.00.2	3	60	40 (LOCTITE 242)	29.5 (LOCTITE 242)
86.4120.00.2	8	5	68	50.2
86.3703.00.2	4	28	68 (LOCTITE 242)	50.2 (LOCTITE 242)
86.3910.00.2	8	32	50	36.9
86.3696.00.2	4	30	50	36.9
86.2216.00.2	10	43	10	7.4
86.3439.00.2	6	44	40	29.5
73.0048.53.2	3	63	40 (LOCTITE 270)	29.5 (LOCTITE 270)
TOLLERANZA DI SERRAGGIO:			0 → - 10%	
TOLERANCE ON TORQUE VALUE:			0 → - 10%	

[illegible]

CK 120 P



NOMENCLATURA RICAMBI POMPE A PISTONI "CK 120 P"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	80.2200.00.2	6	ANELLO TENUTA "V" D.45	41	85.2579.00.2	1	TAPPO G.3/8
2	73.9824.97.3	6	GR. VALVOLA A/M	42	85.3515.50.2	1	SPIA LIVELLO OLIO CON OR
3	73.0416.09.2	2	COPERCHIO VALVOLE	43	86.2216.00.2	10	VITE TCEI M6x25 UNI5931
4	86.3910.00.2	16	VITE TCEI M12x40 UNI5931	44	86.3439.00.2	6	VITE TCEI M10x45 UNI5931
5	86.4120.00.2	8	VITE TCEI M12x110 UNI5931	45	84.3870.00.2	6	ROSETTA SCHNORR D.10,5
6	80.3209.60.2	1	ANELLO OR 2,62x47,3	46	73.9802.97.3	3	BIELLA COMPLETA
7	85.2752.00.2	1	TAPPO G.1"1/2	47	85.3516.00.2	1	TAPPO + ASTA LIVELLO OLIO
8	80.3270.00.2	6	ANELLO OR 3,53x49,2	48	73.0408.26.2	1	ALBERO ECCENTRICO (vr."P")
13	80.3253.00.2	6	ANELLO OR 3,53x34,52	49	73.0226.61.2	1	PIEDINO DX
14	73.0415.09.2	1	CORPO POMPA	50	81.4706.00.2	4	DADO AUTOBLOCCANTE M12
15	80.3209.60.2	1	ANELLO OR 2,62x47,3	51	73.0227.61.2	1	PIEDINO SX
16	83.5092.50.2	1	NIPPLIO G.1"1/2-G.1"3/4	52	73.0228.61.2	2	STAFFA
17	80.3208.50.2	1	ANELLO OR 2,62x37,77	53	85.2007.40.2	3	SPINOTTO D.18x35
18	84.0595.00.2	1	RACCORDO CURVO D.40	54	80.4468.00.2	3	BOCCOLA AUTOLUBRIFICANTE
19	82.0095.00.2	1	GALLETTO G.1"3/4	55	80.1137.00.2	6	ANELLO ELS D.18 PER FORO
20	85.2693.00.2	1	TAPPO G.3/4	56	73.0407.09.2	3	GUIDA PISTONE
21	80.3218.00.2	1	ANELLO OR 3,0x22	57	80.2180.00.2	3	ANELLO RADIALE
22	73.0039.53.2	3	DISTANZIALE DI FONDO	58	84.4301.00.2	3	ROSETTA PARASPRUZZI
23	73.0044.32.2	6	ANELLO DI SPINTA	59	73.0410.18.2	3	PISTONE CERAMICO D.45
24	73.0040.32.2	3	ANELLO ANTIESTRUSIONE	60	86.3986.00.2	3	VITE TCEI M12x50 UNI5931 INOX
25	73.0058.53.2	3	LANTERNA ANTERIORE	61	80.3195.50.2	3	ANELLO OR 2,62x20,24 VITON
26	73.0070.53.2	3	LANTERNA POSTERIORE	62	73.0041.51.2	3	RONDELLA BLOCCAGGIO PISTONE
27	80.3283.00.2	3	ANELLO OR 3,53x58,74	63	84.3872.00.2	3	RONDELLA CON TENUTA
28	86.3703.00.2	4	VITE TE M12x25 UNI5739	64	73.0402.09.2	1	COPERCHIO VALVOLE FILET. (OPTIONAL)
29	84.3906.00.2	4	ROSETTA ELS D.13 UNI1751	65	83.0080.00.2	1	MANOMETRO (OPTIONAL)
30	86.3696.00.2	4	VITE TCEI M12x25 UNI5931	66	82.2044.50.2	1	GOMITO M/F G.3/8 (OPTIONAL)
31	73.0400.09.2	1	CARTER POMPA	67	84.5544.10.2	1	RUBINETTO A SFERA (OPTIONAL)
32	86.3910.00.2	8	VITE TCEI M12x40 UNI5931	68	31.1482.32.2	1	CUFFIA DI PROTEZIONE (OPTIONAL)
33	80.2143.00.2	2	ANELLO RADIALE	69	84.3710.00.2	2	ROSETTA D.9x24x2 UNI6593 (OPTIONAL)
34	73.0411.09.2	2	SUPPORTO CUSCINETTO D.80	70	86.2475.00.2	2	VITE TCEI M8x14 UNI5931 (OPTIONAL)
35	73.0413.65.2	1	SPESSORE SP.0,1	71	73.0048.53.2	3	TAPPO SERRAGGIO PISTONE
35	73.0414.65.2	1	SPESSORE SP.0,2	72	82.4161.00.2	3	GUARNIZIONE D.25,3x30x1
36	80.3210.67.2	2	ANELLO OR 2,62x88,57	73	86.3960.00.2	3	VITE STEI M12x45 UNI5923 INOX
37	81.2940.00.2	2	CUSCINETTO RULLI CONICI				
38	73.0065.72.2	1	GUARNIZIONE COPERCHIO POSTERIORE				
39	73.0401.09.2	1	COPERCHIO POSTERIORE				
40	82.4107.00.2	1	GUARNIZIONE D.16,5x23x1				

* IN VITON REPLACE THE LAST 3 NUMBERS BY....50.2

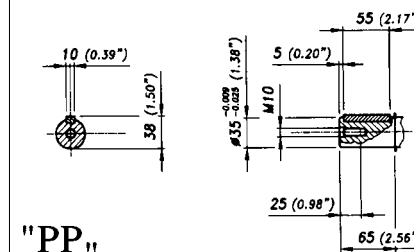
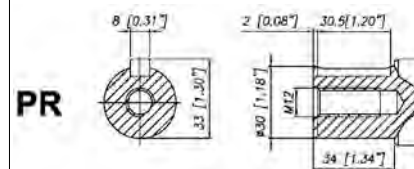
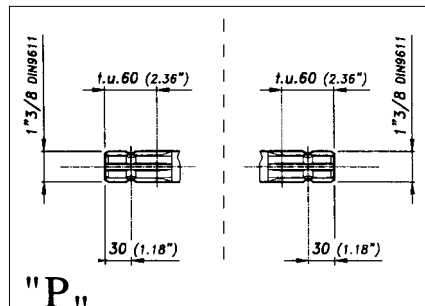
C 146 P - PR - PP



IDROMECCANICA
BERTOLINI

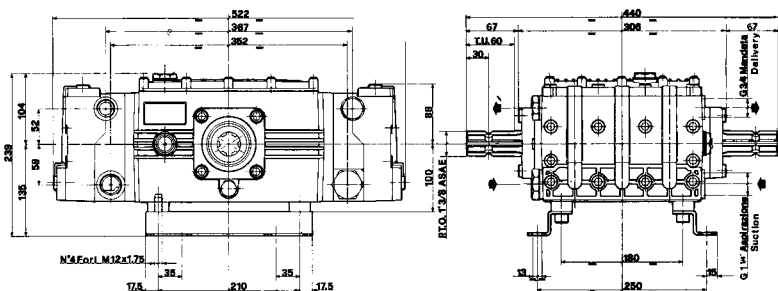


ALBERO POMPA - PUMP SHAFT



DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS

C 146 P



Installazione e norme generali di sicurezza
Pag. 2

Installation and general safety information
Page 8

Istruzioni di manutenzione pompe a pistoni
Pag. 6

Maintenance instructions for piston pumps
Page 12

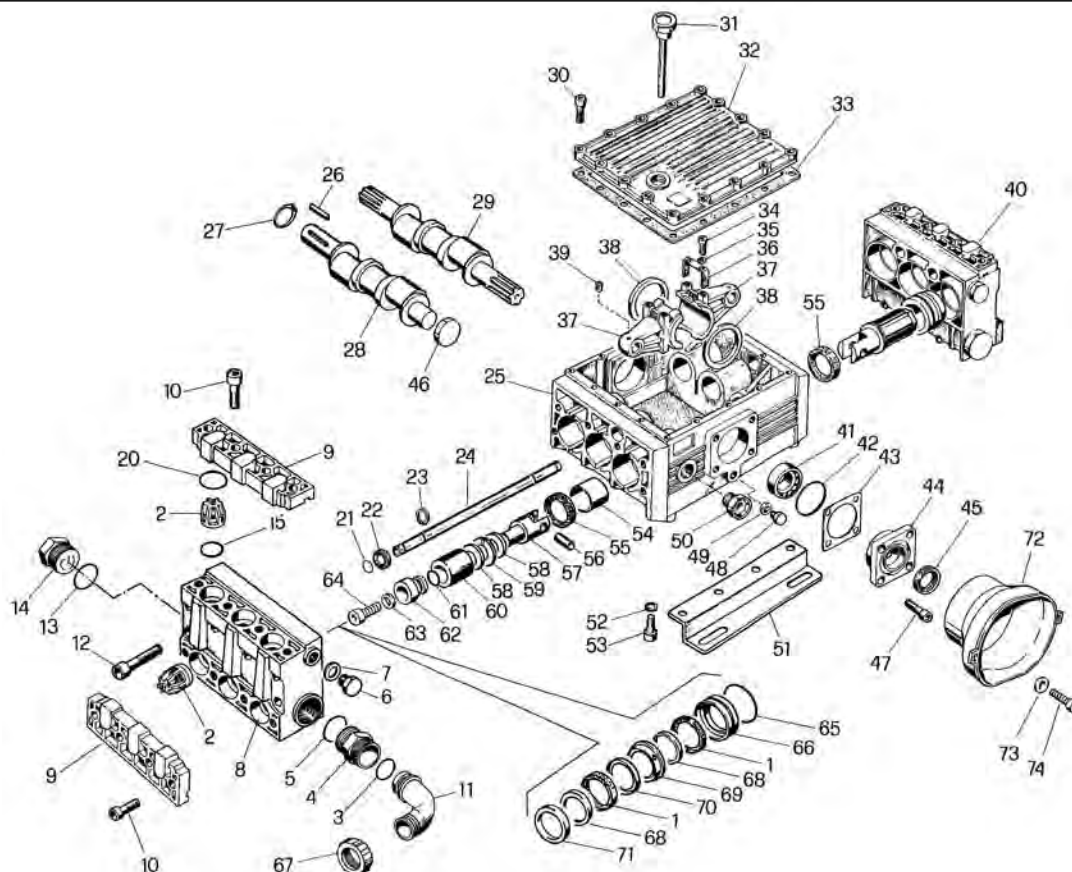
COPPIA DI SERRAGGIO - TORQUE CHART

CODICE CODE	Q.TY	N. POS.	C 146 P - PR - PP	
			N.m	Lbr.ft
86.4200.00.2	16	10	108	79.7
86.4090.00.2	12	12	68	50.2
86.2216.00.2	16	30	10	7.4
86.3900.00.2	6	61	40 (LOCTITE 242)	29.5 (LOCTITE 242)
86.1924.00.2	6	39	3	2.2
86.1930.00.2	12	34	5 (LOCTITE 242)	3.7 (LOCTITE 242)
73.0048.53.2	6	64	40 (LOCTITE 270)	29.5 (LOCTITE 270)
86.3740.00.2	4	53	68 (LOCTITE 242)	50.2 (LOCTITE 242)
86.3696.00.2	8	47	50	36.9
TOLLERANZA DI SERRAGGIO:			0 → - 10%	
TOLERANCE ON TORQUE VALUE:			0 → - 10%	

KIT RICAMBI - SPARES KIT C 146 P - PR - PP

KIT	CODICE PART NUMBER	76.1060.97.3										76.9870.97.3			73.9845.97.3				76.9825.97.3				76.9805.97.3						76.9812.97.3						
	DESCRIZIONE DESCRIPTION	KIT POMPA PUMP KIT										VAM VALVES ASSY			GUARNIZ. PISTON PACKINGS				GUARNIZ. VITON-PIST. PACKINGS				TENUTE COMPLETE COMPLETE PACKINGS						PARAOILI GUIDE PISTONI PLUNGERS OIL SEALS						
POSIZIONE ESPLOSO POSITION NUMBER		33	22	45	55	63	21	20	15	42	46	2	20	15	70	68	1	65	70	68	1	65	70	68	1	65	69	66	55						
QUANTITÀ NEL KIT QUANTITIES INCLUDED		1	2	2	6	6	4	12	12	2	1	12	12	12	6	12	12	6	6	12	12	6	6	12	12	6	6	6	6	6					

C 146 P - PR - PP



NOMENCLATURA RICAMBI POMPE A PISTONI "C 146 P - PR - PP"

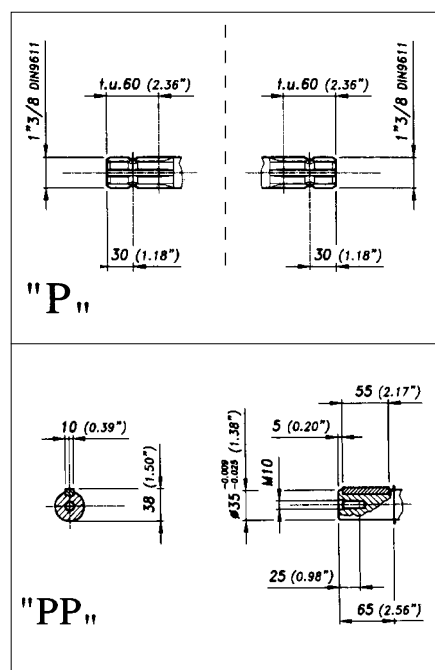
POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	80.2200.00.2	12	ANELLO TENUTA A "V" D.45	42	80.3290.00.2	2	ANELLO OR 3,53x85,32
2	73.9801.97.3	12	GRUPPO VALVOLA A/M	43	73.0061.65.2	1	SPESSORE SP.0,1
3	80.3219.10.2	2	ANELLO OR 3,0x30	43	73.0060.65.2	1	SPESSORE SP.0,2
4	83.5090.35.2	2	NIPPLO G.1"1/4-G.1"1/2	44	73.0003.09.2	2÷1	SUPPORTO CUSCINETTO
5	80.3209.00.2	2	ANELLO OR 2,62x39,34	44	73.0015.09.2	1	SUPPORTO CUSCINETTO (vr."PR")
6	85.2693.00.2	2	TAPPO G.3/4	45	80.2143.00.2	2÷1	ANELLO RADIALE
7	80.3218.00.2	2	ANELLO OR 3,0x22	46	80.2099.60.2	1	CAPPELOTTO D.52x7 (vr."PP" e "PR")
8	76.0224.09.2	1	CORPO POMPA "SINISTRO"	47	86.3696.00.2	8	VITE TCEI M12x25 UNI5931
9	73.0017.09.2	4	COPERCHIO VALVOLE	48	85.2579.00.2	1	TAPPO G.3/8
10	86.4200.00.2	16	VITE TCEI M14x40 UNI5931	49	82.4109.00.2	1	GUARNIZIONE D.17x22x1
11	84.0561.00.2	2	RACCORDO CURVO D.30	50	85.3515.00.2	1	SPIA LIVELLO OLIO
12	86.4090.00.2	12	VITE TCEI M12x100 UNI5931	51	73.0024.61.2	2	PIEDINO
13	80.3209.00.2	2	ANELLO OR 2,62x39,34	52	84.3906.00.2	4	ROSETTA ELASTICA D.13
14	85.2740.00.2	2	TAPPO G.1"1/4	53	86.3740.00.2	4	VITE TE M12x30 UNI5739
15	80.3251.00.2	12	ANELLO OR 3,53x32,93	54	80.4465.00.2	6	BOCCOLA ANTIFRIZIONE
20	80.3262.00.2	12	ANELLO OR 3,53x41,28	55	80.2180.00.2	6	ANELLO RADIALE
21	80.3217.30.2	4	ANELLO OR 3,0x16	56	85.2007.50.2	6	SPINOTTO
22	80.2089.00.2	2	ANELLO RADIALE	57	73.0011.09.2	6	PATTINO PORTA PISTONE
23	80.1160.00.2	2	ANELLO SEEGER D.22	58	84.4301.00.2	6	ROSETTA PARASPRUZZI
24	76.0055.82.2	1	TUBO COLLEGAMENTO MANDATA	60	73.0010.18.2	6	PISTONE CERAMICO D.45
25	76.0001.08.2	1	CARTER POMPA	61	86.3900.00.2	6	VITE STEI M12x40 UNI5923 INOX
26	80.6585.00.2	1	LINGUETTA 10x8x55 (vr."PP")	62	82.4161.00.2	6	GUARNIZIONE D.25,3x30x1
26	80.6530.00.2	1	LINGUETTA 8x7x30 (vr."PR")	63	80.3195.50.2	6	ANELLO OR 2,62x20,24 VITON
27	80.1264.00.2	1	ANELLO SEEGER D.35 (vr."PP")	64	73.0048.53.2	6	TAPPO SERRAGGIO PISTONE
28	73.0037.26.2	1	ALBERO ECC. D.35 (vr."PP")	65	80.3283.00.2	6	ANELLO OR 3,53x58,74
28	73.0033.26.2	1	ALBERO ECC. D.30 (vr."PR")	66	73.0070.53.2	6	LANTERNA POSTERIORE
29	73.0030.26.2	1	ALBERO ECC. 1"3/8 (vr."P")	67	82.0070.00.2	2	GALLETTO G.1"1/2
30	86.2216.00.2	16	VITE TCEI M6x25 UNI5931	68	73.0044.32.2	12	ANELLO DI SPINTA
31	85.3519.00.2	1	TAPPO CARICO OLIO	69	73.0068.53.2	6	LANTERNA ANTERIORE
32	76.0002.09.2	1	COPERCHIO	70	73.0040.32.2	6	ANELLO ANTIESTRUSIONE
33	76.0065.72.2	1	GUARNIZIONE CARTER	71	31.1482.32.2	1	CUFFIA DI PROTEZIONE (OPTIONAL)
34	86.1930.00.2	12	VITE TCEI M5x12 UNI5931	72	84.3696.00.2	2	ROSETTA D.8,4x18x2 (OPTIONAL)
35	84.3651.50.2	12	ROSETTA SCHNORR D.5,3	73	86.2475.00.2	2	VITE TCEI M8x14 UNI5931 (OPTIONAL)
36	76.0046.61.2	6	FORCELLA				
37	76.0010.09.2	6	BIELLA SINGOLA ALLUMINIO				
37	76.0014.11.2	6	BIELLA SINGOLA BRONZO (OPTIONAL)				
38	76.0047.76.2	6	ANELLO SERRAGGIO BIELLE				
39	86.1924.00.2	6	VITE STEI M5x6 UNI5927 ESLOK				
40	76.0223.09.2	1	CORPO POMPA "DESTRO"				
41	81.2859.00.2	2	CUSCINETTO RULLI				

* IN VITON REPLACE THE LAST 3 NUMBERS BY....50.2

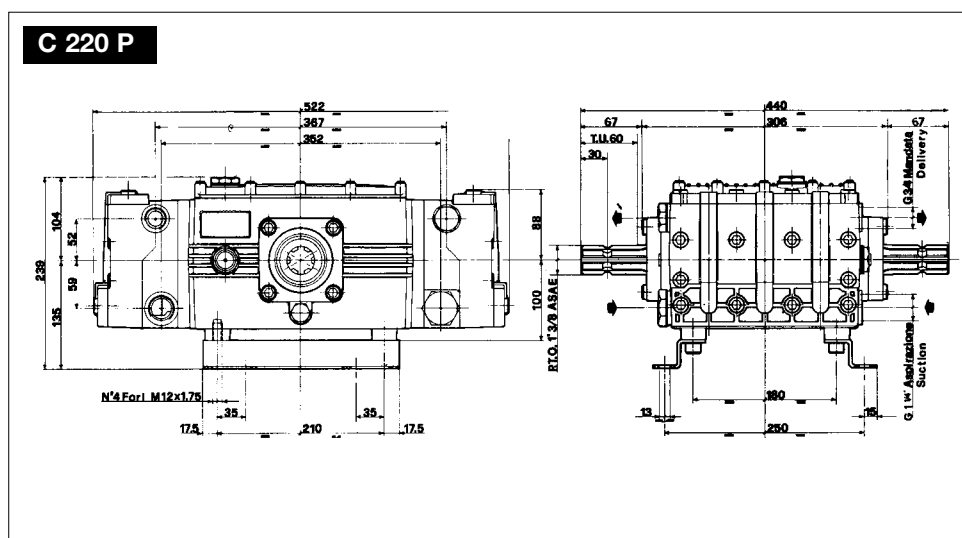
C 220 P - PP



ALBERO POMPA - PUMP SHAFT



DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



Installazione e norme generali di sicurezza
Pag. 2

Installation and general safety information
Page 8

Istruzioni di manutenzione pompe a pistoni
Pag. 6

Maintenance instructions for piston pumps
Page 12

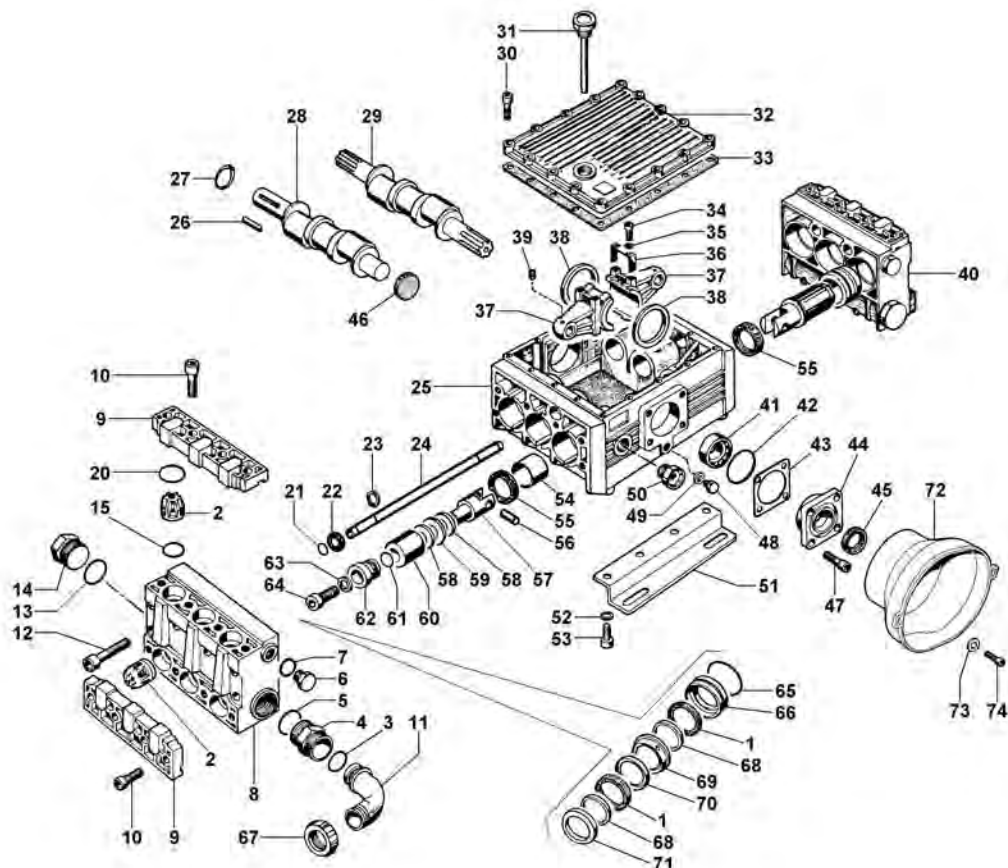
COPPIA DI SERRAGGIO - TORQUE CHART

CODICE CODE	Q.TY	N. POS.	C 220 P - PP	
			N.m	Lbr.ft
86.4200.00.2	16	10	108	79.7
86.4090.00.2	12	12	68	50.2
86.2216.00.2	16	30	10	7.4
86.1930.00.2	12	34	5 (LOCTITE 242)	3.7 (LOCTITE 242)
86.1924.00.2	6	39	3	2.2
86.3696.00.2	8	47	50	36.9
86.3740.00.2	4	53	68 (LOCTITE 242)	50.2 (LOCTITE 242)
86.3950.00.2	6	64	40 (LOCTITE 242)	29.5 (LOCTITE 242)
TOLLERANZA DI SERRAGGIO:			0 → - 10%	
TOLERANCE ON TORQUE VALUE:			0 → - 10%	

KIT RICAMBI - SPARES KIT C 220 P - PP

KIT	CODICE PART NUMBER	76.1060.97.3	76.9870.97.3	73.9845.97.3	76.9825.97.3	76.9835.97.3	76.9812.97.3
	DESCRIZIONE DESCRIPTION	KIT POMPA PUMP KIT	VAM VALVES ASSY	GUARNIZ. PISTON PACKINGS	GUARNIZ. VITON-PIST. PACKINGS	TENUTE COMPLETE COMPLETE PACKINGS	PARAOILI GUIDE PISTONI PLUNGERS OIL SEALS
POSIZIONE ESPLOSO POSITION NUMBER		33 22 45 55 61 21 20 15 42 46	2 20 15	70 68 1 65	70 68 1 65	70 68 1 65 71 69 66	55
QUANTITÀ NEL KIT QUANTITIES INCLUDED		1 2 2 6 6 4 12 12 2 1	12 12 12	6 12 12 6	6 12 12 6	6 12 12 6 6 6 6	6

C 220 P - PP



NOMENCLATURA RICAMBI POMPE A PISTONI "C 220 P - PP"

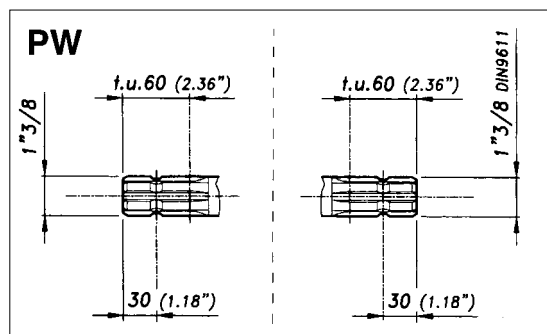
POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	80.2200.00.2	12	ANELLO TENUTA A "V" D.45	43	73.0060.65.2	1	SPESSORE SP.0,2
2	73.9801.97.3	12	GRUPPO VALVOLA A/M	44	73.0003.09.2	2	SUPPORTO CUSCINETTO
3	80.3219.10.2	2	ANELLO OR 3,0x30	45	80.2143.00.2	2÷1	ANELLO RADIALE
4	83.5090.35.2	2	NIPPLO G.1"1/4-G.1"1/2	46	80.2099.60.2	1	CAPPELLOTTA D.52x7 (vr."PP")
5	80.3209.00.2	2	ANELLO OR 2,62x39,34	47	86.3696.00.2	8	VITE TCEI M12x25 UNI5931
6	85.2693.00.2	2	TAPPO G.3/4	48	85.2579.00.2	1	TAPPO G.3/8
7	80.3218.00.2	2	ANELLO OR 3,0x22	49	82.4109.00.2	1	GUARNIZIONE D.17x22x1
8	76.0224.09.2	1	CORPO POMPA "SINISTRO"	50	85.3515.00.2	1	SPIA LIVELLO OLIO
9	73.0017.09.2	4	COPERCHIO VALVOLE	51	73.0024.61.2	2	PIEDINO
10	86.4200.00.2	16	VITE TCEI M14x40 UNI5931	52	84.3906.00.2	4	ROSETTA ELASTICA D.13
11	84.0591.00.2	2	RACCORDO CURVO D.40	53	86.3740.00.2	4	VITE TE M12x30 UNI5739
12	86.4090.00.2	12	VITE TCEI M12x100 UNI5931	54	80.4465.00.2	6	BOCCOLA ANTIFRIZIONE
13	80.3209.00.2	2	ANELLO OR 2,62x39,34	55	80.2180.00.2	6	ANELLO RADIALE
14	85.2740.00.2	2	TAPPO G.1"1/4	56	85.2007.50.2	6	SPINOTTO
15	80.3251.00.2	12	ANELLO OR 3,53x32,93	57	73.0011.09.2	6	PATTINO PORTA PISTONE
20	80.3262.00.2	12	ANELLO OR 3,53x41,28	58	73.0056.53.2	12	DISTANZIALE FISSAGGIO PISTONE
21	80.3217.30.2	4	ANELLO OR 3,0x16	59	84.4301.00.2	6	ROSETTA PARASPRUZZI
22	80.2089.00.2	2	ANELLO RADIALE	60	73.0010.18.2	6	PISTONE CERAMICO D.45
23	80.1160.00.2	2	ANELLO SEEGER D.22	61	80.3195.50.2	6	ANELLO OR 2,62x20,24 VITON
24	76.0056.82.2	1	TUBO COLLEGAMENTO MANDATA	62	73.0041.51.2	6	RONDELLA FISSAGGIO PISTONE
25	76.0300.08.2	1	CARTER POMPA	63	84.3872.00.2	6	RONDELLA
26	80.6585.00.2	1	LINGUETTA 10x8x55 (vr."PP")	64	86.3950.00.2	6	VITE TCEI M12x45 UNI5931 INOX
27	80.1264.00.2	1	ANELLO SEEGER D.35 (vr."PP")	65	80.3283.00.2	6	ANELLO OR 3,53x58,74
28	76.0027.26.2	1	ALBERO ECC. D.35 (vr."PP")	66	73.0070.53.2	6	LANTERNA POSTERIORE
29	73.0032.26.2	1	ALBERO ECC. 1"3/8 (vr."P")	67	82.0070.00.2	2	GALLETTO G.1"1/2
30	86.2216.00.2	16	VITE TCEI M6x25 UNI5931	68	73.0044.32.2	12	ANELLO DI SPINTA
31	85.3519.00.2	1	TAPPO CARICO OLIO	69	73.0058.53.2	6	LANTERNA ANTERIORE
32	76.0002.09.2	1	COPERCHIO	70	73.0040.32.2	6	ANELLO ANTIESTRUSIONE
33	76.0065.72.2	1	GUARNIZIONE CARTER	71	73.0039.53.2	6	DISTANZIALE DI FONDO
34	86.1930.00.2	12	VITE TCEI M5x12 UNI5931	72	31.1482.32.2	1	CUFFIA DI PROTEZIONE (OPTIONAL)
35	84.3651.50.2	12	ROSETTA SCHNORR D.5,3	73	84.3696.00.2	2	ROSETTA D.8,4x18x2 (OPTIONAL)
36	76.0046.61.2	6	FORCELLA	74	86.2475.00.2	2	VITE TCEI M8x14 UNI5931 (OPTIONAL)
37	76.0010.09.2	6	BIELLA SINGOLA ALLUMINIO				
37	76.0014.11.2	6	BIELLA SINGOLA BRONZO (OPTIONAL)				
38	76.0047.76.2	6	ANELLO SERRAGGIO BIELLE				
39	86.1924.00.2	6	VITE STEI M5x6 UNI5927 ESLOK				
40	76.0223.09.2	1	CORPO POMPA "DESTRO"				
41	81.2859.00.2	2	CUSCINETTO RULLI				
42	80.3290.00.2	2	ANELLO OR 3,53x85,32				
43	73.0061.65.2	1	SPESSORE SP.0,1				

★ IN VITON REPLACE THE LAST 3 NUMBERS BY....50.2

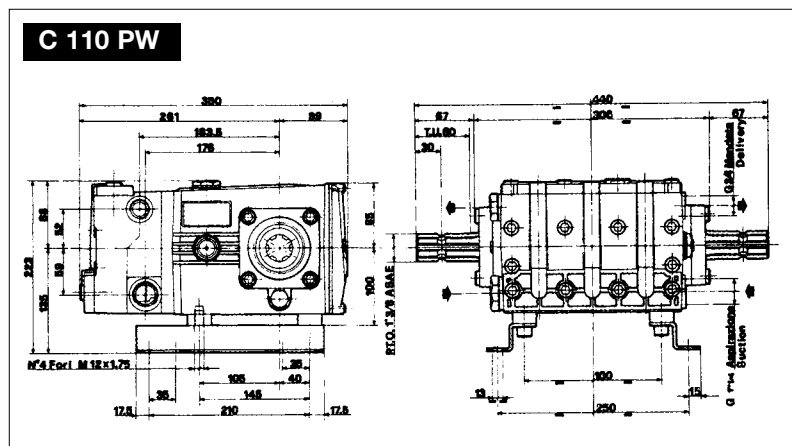
C 110 PW



ALBERO POMPA - PUMP SHAFT



DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



Installazione e norme generali di sicurezza
Pag. 2

Installation and general safety information
Page 8

Istruzioni di manutenzione pompe a pistoni
Pag. 6

Maintenance instructions for piston pumps
Page 12

COPPIA DI SERRAGGIO - TORQUE CHART

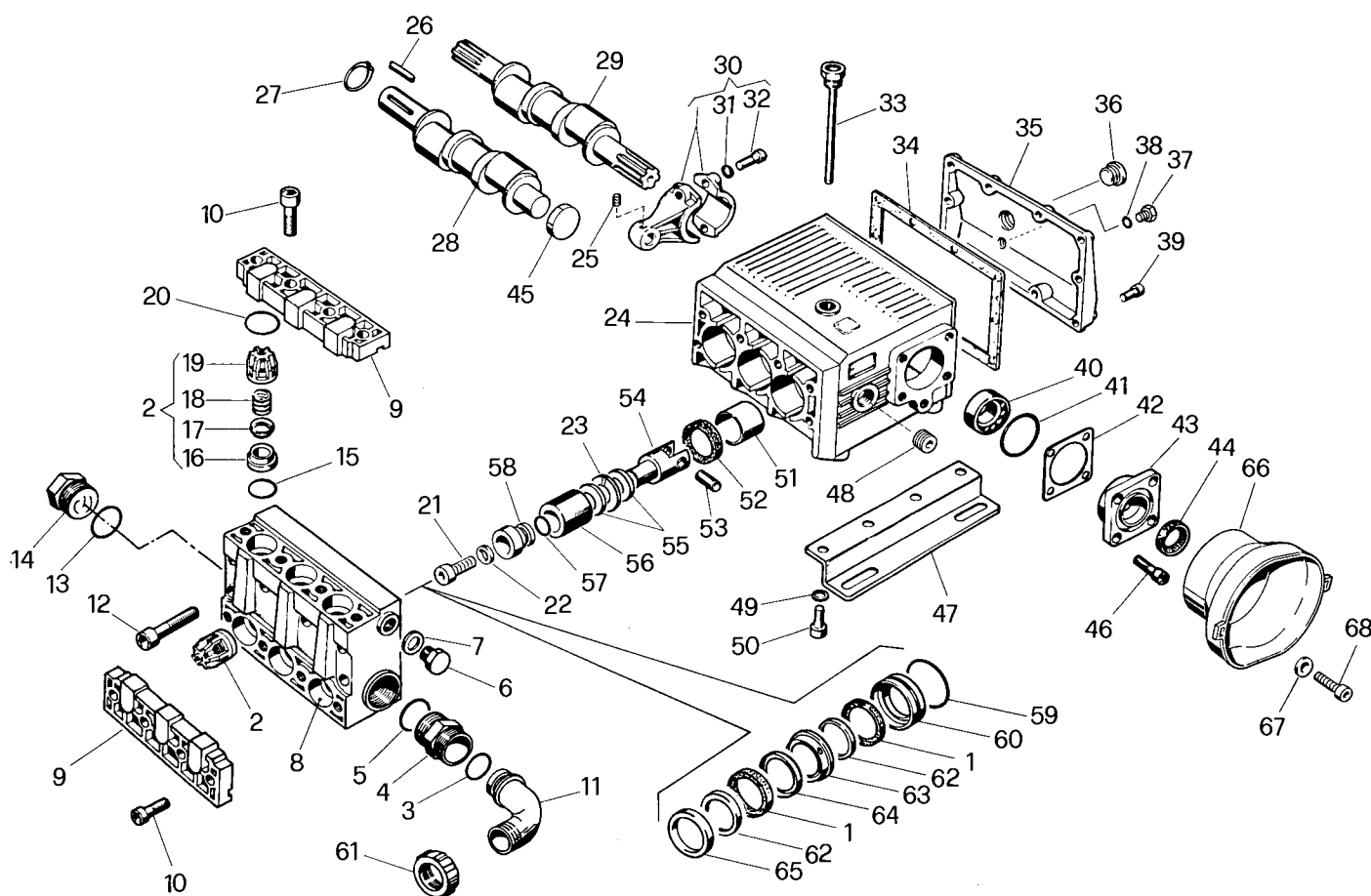
CODICE CODE	Q.TY	N. POS.	C 110 PW	
			N.m	Lbr.ft
86.1924.00.2	3	25	3	2.2
86.2216.50.2	10	39	10	7.4
86.3439.00.2	6	32	40	29.5
86.3696.50.2	8	46	50	36.9
	4	50*	68	50.2
86.3950.00.2	3	21	40	29.5
			(LOCTITE 242)	(LOCTITE 242)
86.4090.50.2	6	12	68	50.2
86.4210.00.2	8	10	108	79.7

TOLLERANZA DI SERRAGGIO: 0 → - 10%
TOLERANCE ON TORQUE VALUE: 0 → - 10%

KIT RICAMBI - SPARES KIT C 110 PW

KIT	CODICE PART NUMBER	73.1022.97.3										73.9870.97.3			73.9841.97.3				73.9843.97.3												
	DESCRIZIONE DESCRIPTION	KIT POMPA PUMP KIT										VAM VALVES ASSY			GUARNIZ. PISTON PACKINGS				GUARNIZ. VITON-PIST. PACKINGS												
POSIZIONE ESPLOSO POSITION NUMBER		45	34	44	52	57	15	20	41	22	2	15	20	64	62	1	59	64	62	1	59										
QUANTITÀ NEL KIT QUANTITIES INCLUDED		1	1	2	3	3	6	6	2	3	6	6	6	3	6	6	3	3	6	6	3										

C 110 PW

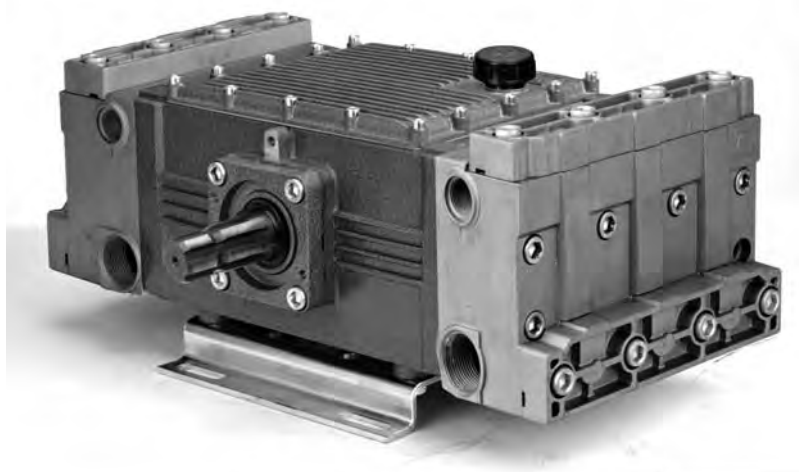


NOMENCLATURA RICAMBI POMPE A PISTONI "C 110 PW"

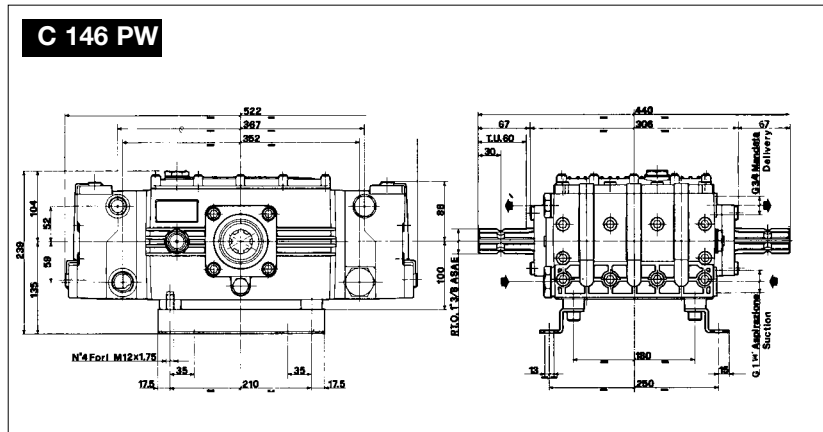
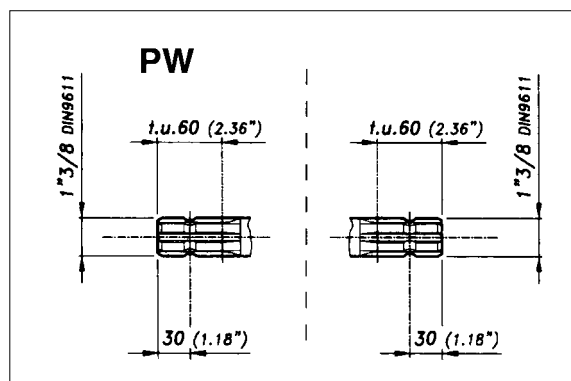
POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	80.2200.00.2	6	ANELLO TENUTA A "V" D.45	37	85.2579.00.2	1	TAPPO G.3/8
2	73.9801.97.3	6	GRUPPO VALVOLA A/M	38	82.4107.00.2	1	GUARNIZIONE D.16,5x23x1
3	80.3219.10.2	1	ANELLO OR 3,0x30	39	86.2216.50.2	10	VITE TCEI M6x25 UNI5931
4	83.5090.35.2	1	NIPPOLO G.1"1/4-G.1"1/2	40	81.2859.00.2	2	CUSCINETTO RULLI
5	80.3209.00.2	1	ANELLO OR 2,62x39,34	41	80.3290.00.2	2	ANELLO OR 3,53x85,32
6	85.2693.50.2	1	TAPPO G.3/4 NICHELATO	42	73.0061.65.2	1	SPESSORE SP.0,1
7	80.3218.00.2	1	ANELLO OR 3,0x22	42	73.0060.65.2	1	SPESSORE SP.0,2
8	73.0215.09.2	1	CORPO POMPA NICHELATO	43	73.0003.09.2	2	SUPPORTO CUSCINETTO
9	73.0026.09.2	2	COPERCHIO VALVOLE NICHELATO	44	80.2143.00.2	2	ANELLO RADIALE
10	86.4210.00.2	8	VITE TCEI M14x40 UNI5931	46	86.3696.50.2	8	VITE TCEI M12x25 UNI5931
11	84.0591.00.2	1	RACCORDO CURVO D.40	47	73.0025.61.2	2	PIEDINO
12	86.4090.50.2	6	VITE TCEI M12x100 UNI5931	48	85.2690.00.2	1	TAPPO CONICO EI G.3/4
13	80.3209.00.2	1	ANELLO OR 2,62x39,34	49	84.3844.50.2	4	ROSETTA D.12,2x21x2,5
14	85.2740.00.2	1	TAPPO G.1"1/4	50	86.3696.50.2	4	VITE TCEI M12x25 UNI5931
15	80.3251.00.2	6	ANELLO OR 3,53x32,93	51	80.4465.00.2	3	BOCCOLA ANTIFRIZIONE
16	73.0052.43.2	6	SEDE VALVOLA A/M	52	80.2180.00.2	3	ANELLO RADIALE
17	73.0053.68.2	6	OTTURATORE VALVOLA A/M	53	85.2007.50.2	3	SPINOTTO
18	73.0066.51.2	6	MOLLA VALVOLA A/M	54	73.0011.09.2	3	PATTINO PORTA PISTONE
19	73.0028.32.2	6	GUIDA VALVOLA A/M	55	73.0056.53.2	6	DISTANZIALE PISTONE
20	80.3262.00.2	6	ANELLO OR 3,53x41,28	56	73.0010.18.2	3	PISTONE CERAMICO D.45
21	86.3950.00.2	3	VITE TCEI M12x45 UNI5931 INOX	57	80.3195.50.2	3	ANELLO OR 2,62x20,24 VITON
22	84.3872.00.2	3	RONDELLA CON TENUTA	58	73.0041.51.2	3	RONDELLA FISSAGGIO PISTONE
23	84.4301.00.2	3	ROSETTA PARASPRUZZI	59	80.3283.00.2	3	ANELLO OR 3,53x58,74
24	73.0300.08.2	1	CARTER POMPA	60	73.0079.54.2	3	LANTERNA POSTERIORE NICHELATA
25	86.1924.00.2	3	VITE STEI M5x6 UNI5927 ESLOK	61	82.0070.00.2	1	GALLETTO G.1"1/2
29	73.0032.26.2	1	ALBERO ECC. 1"3/8 (vr."P")	62	73.0044.32.2	6	ANELLO DI SPINTA
30	73.0005.09.2	3	BIELLA COMPLETA ALLUMINIO	63	73.0059.53.2	3	LANTERNA ANTERIORE NICHELATA
30	73.0008.11.2	3	BIELLA COMPLETA BRONZO (OPTIONAL)	64	73.0040.32.2	3	ANELLO ANTIESTRUSIONE
31	84.3870.00.2	6	ROSETTA SCHNORR D.10,5	65	73.0039.53.2	3	DISTANZIALE DI FONDO
32	86.3439.00.2	6	VITE TCEI M10x45 UNI5931	66	31.1482.32.2	1	CUFFIA DI PROTEZIONE (OPTIONAL)
33	85.3517.00.2	1	TAPPO CARICO OLIO	67	84.3696.00.2	2	ROSETTA D.8,4x18x2 (OPTIONAL)
34	73.0065.72.2	1	GUARNIZIONE COPERCHIO	68	86.2475.00.2	2	VITE TCEI M8x14 UNI5931 (OPTIONAL)
35	73.0002.09.2	1	COPERCHIO				
36	85.3515.50.2	1	SPIA LIVELLO OLIO				

★ IN VITON REPLACE THE LAST 3 NUMBERS BY....50.2

IDROMECCANICA[®]
BERTOLINI



DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



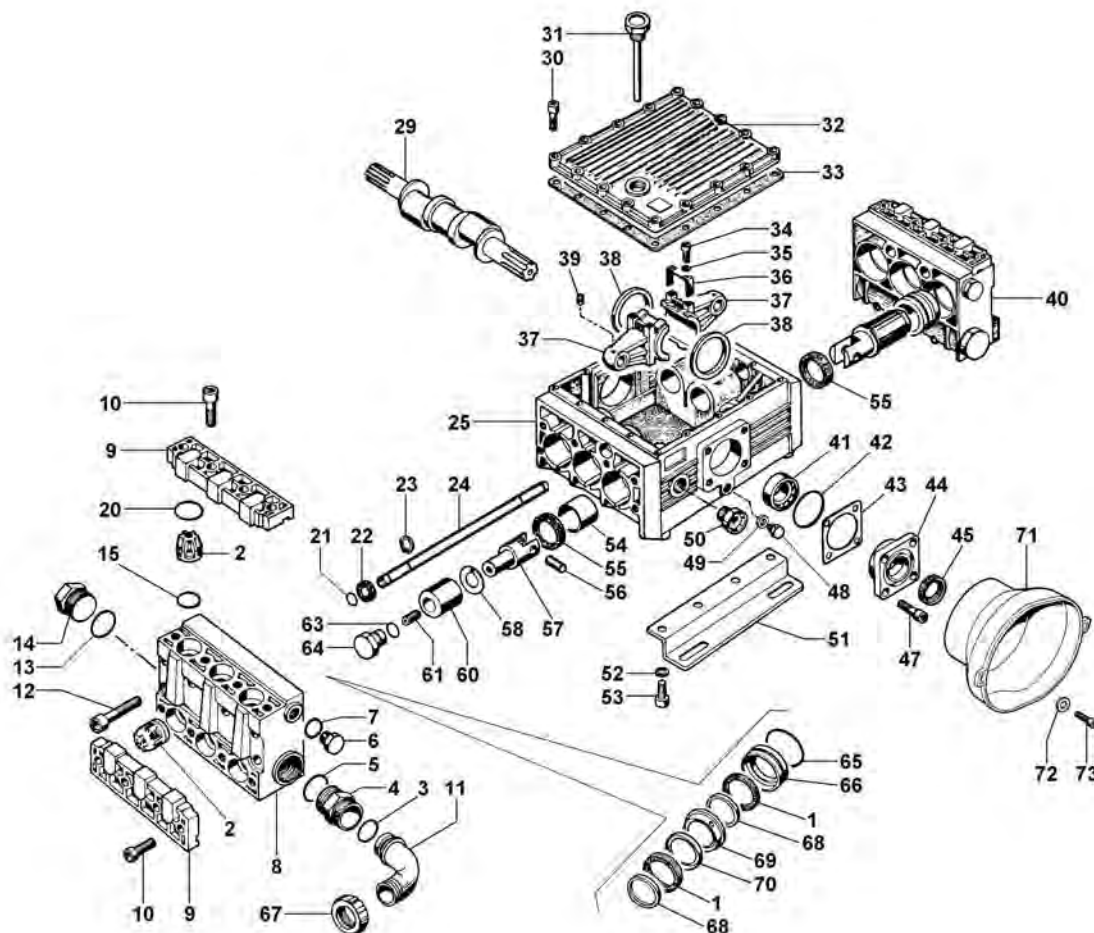
Maintenance instructions for piston pumps
Page 12

COPPIA DI SERRAGGIO - TORQUE CHART				
CODICE CODE	Q.TY	N. POS.	C 146 PW	
			N.m	Lbr.ft
86.4210.00.2	16	10	108	79.7
86.4090.50.2	12	12	68	50.2
86.2216.50.2	16	30	10	7.4
86.1930.00.2	16	34	5 (LOCTITE 242)	3.7 (LOCTITE 242)
86.1924.00.2	6	39	3	2.2
86.3900.00.2	6	61	20 (LOCTITE 270)	14.8 (LOCTITE 270)
86.3696.50.2	8	47	50	36.9
73.0048.51.2	6	64	40 (LOCTITE 242)	29.5 (LOCTITE 242)
86.3740.50.2	4	53	68 (LOCTITE 242)	50.2 (LOCTITE 242)

TOLLERANZA DI SERRAGGIO: 0 → - 10%
TOLERANCE ON TORQUE VALUE: 0 → - 10%

KIT	CODICE PART NUMBER	76.1060.97.3												76.9870.97.3			73.9845.97.3			76.9825.97.3									76.9812.97.3		
	DESCRIZIONE DESCRIPTION	KIT POMPA PUMP KIT												VAM VALVES ASSY			GUARNIZ. PISTON PACKINGS			GUARNIZ. VITON-PIST. PACKINGS									PARAOILI GUIDE PISTONI PLUNGERS OIL SEALS		
POSIZIONE ESPLOSO POSITION NUMBER		33	22	45	55	63	21	20	15	42	46	2	20	15	70	68	1	65	70	68	1	65									55
QUANTITÀ NEL KIT QUANTITIES INCLUDED		1	2	2	6	6	4	12	12	2	1	12	12	12	6	12	12	6	6	12	12	6									6

C 146 PW

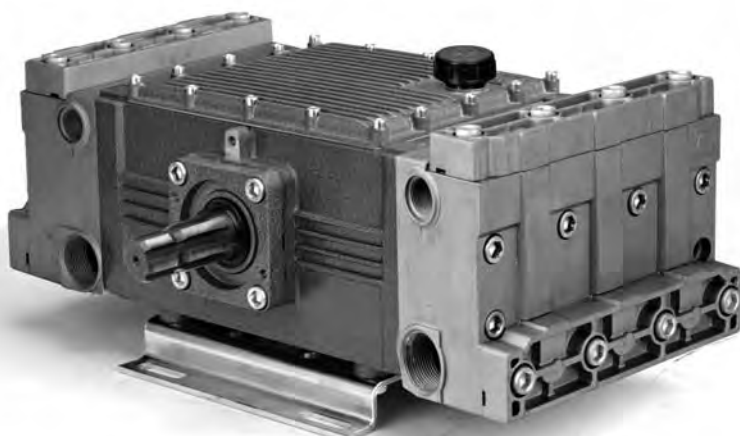


NOMENCLATURA RICAMBI POMPE A PISTONI "C 146 PW"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	80.2200.00.2	12	ANELLO TENUTA A "V" D.45	43	73.0061.65.2	1	SPESORE SP.0,1
2	73.9801.97.3	12	GRUPPO VALVOLA A/M	43	73.0060.65.2	1	SPESORE SP.0,2
3	80.3219.10.2	2	ANELLO OR 3,0x30	44	73.0003.09.2	2	SUPPORTO CUSCINETTO
4	83.5090.35.2	2	NIPPOLO G.1"1/4-G.1"1/2	45	80.2143.00.2	2	ANELLO RADIALE
5	80.3209.00.2	2	ANELLO OR 2,62x39,34	47	86.3696.50.2	8	VITE TCEI M12x25 UNI5931
6	85.2693.50.2	2	TAPPO G.3/4 NICHIELATO	48	85.2579.00.2	1	TAPPO G.3/8
7	80.3218.00.2	2	ANELLO OR 3,0x22	49	82.4109.00.2	1	GUARNIZIONE D.17x22x1
8	76.0226.09.2	1	CORPO POMPA "SINISTRO" NICHIELATO	50	85.3515.00.2	1	SPIA LIVELLO OLIO
9	73.0026.09.2	4	COPERCHIO VALVOLE NICHIELATO	51	73.0025.61.2	2	PIEDINO
10	86.4210.00.2	16	VITE TCEI M14x40 UNI5931	52	84.3844.50.2	4	ROSETTA D.12,2x21x2,5
11	84.0561.00.2	2	RACCORDO CURVO D.30	53	86.3740.50.2	4	VITE TE M12x30 UNI5739
12	86.4090.50.2	12	VITE TCEI M12x100 UNI5931	54	80.4465.00.2	6	BOCCOLA ANTIFRIZIONE
13	80.3209.00.2	2	ANELLO OR 2,62x39,34	55	80.2180.00.2	6	ANELLO RADIALE
14	85.2740.00.2	2	TAPPO G.1"1/4	56	85.2007.50.2	6	SPINOTTO
15	80.3251.00.2	12	ANELLO OR 3,53x32,93	57	73.0011.09.2	6	PATTINO PORTA PISTONE
20	80.3262.00.2	12	ANELLO OR 3,53x41,28	58	84.4301.00.2	6	ROSETTA PARASPRUZZI
21	80.3217.30.2	4	ANELLO OR 3,0x16	60	73.0010.18.2	6	PISTONE CERAMICO D.45
22	80.2089.00.2	2	ANELLO RADIALE	61	86.3900.00.2	6	VITE STEI M12x40 UNI5923 INOX
23	80.1160.00.2	2	ANELLO SEEGER D.22	63	80.3195.50.2	6	ANELLO OR 2,62x20,24 VITON
24	76.0058.82.2	1	TUBO COLLEGAMENTO MANDATA NICHIELATO	64	73.0048.51.2	6	TAPPO SERRAGGIO PISTONE INOX
25	76.0001.08.2	1	CARTER POMPA	65	80.3283.00.2	6	ANELLO OR 3,53x58,74
29	73.0030.26.2	1	ALBERO ECC. 1"3/8 (vr."P")	66	73.0079.54.2	6	LANTERNA POSTERIORE NICHIELATA
30	86.2216.50.2	16	VITE TCEI M6x25 UNI5931	67	82.0070.00.2	2	GALLETTO G.1"1/2
31	85.3519.00.2	1	TAPPO CARICO OLIO	68	73.0044.32.2	12	ANELLO DI SPINTA
32	76.0002.09.2	1	COPERCHIO	69	73.0078.54.2	6	LANTERNA ANTERIORE NICHIELATA
33	76.0065.72.2	1	GUARNIZIONE CARTER	70	73.0040.32.2	6	ANELLO ANTIESTRUSIONE
34	86.1930.00.2	12	VITE TCEI M5x12 UNI5931	71	31.1482.32.2	1	CUFFIA DI PROTEZIONE (OPTIONAL)
35	84.3651.50.2	12	ROSETTA SCHNORR D.5,3	72	84.3696.00.2	2	ROSETTA D.8,4x18x2 (OPTIONAL)
36	76.0046.61.2	6	FORCELLA	73	86.2475.00.2	2	VITE TCEI M8x14 UNI5931 (OPTIONAL)
37	76.0010.09.2	6	BIELLA SINGOLA ALLUMINIO				
37	76.0014.11.2	6	BIELLA SINGOLA BRONZO (OPTIONAL)				
38	76.0047.76.2	6	ANELLO SERRAGGIO BIELLE				
39	86.1924.00.2	6	VITE STEI M5x6 UNI5927 ESLOK				
40	76.0225.09.2	1	CORPO POMPA "DESTRO" NICHIELATO				
41	81.2859.00.2	2	CUSCINETTO RULLI				
42	80.3290.00.2	2	ANELLO OR 3,53x85,32				

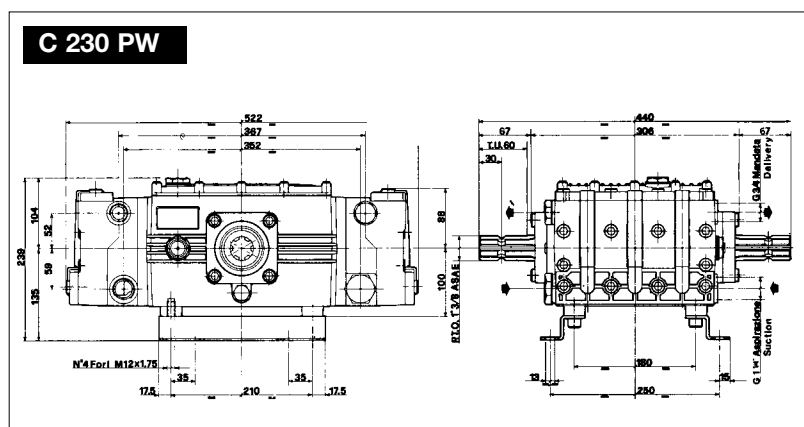
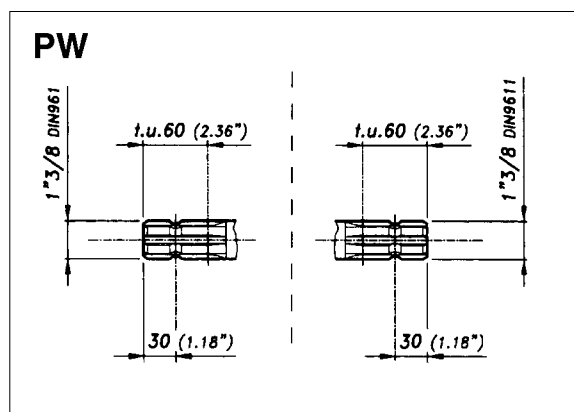
★ IN VITON REPLACE THE LAST 3 NUMBERS BY....50.2

C 230 PW



ALBERO POMPA - PUMP SHAFT

DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



Installazione e norme generali di sicurezza
Pag. 2

Installation and general safety information
Page 8

Istruzioni di manutenzione pompe a pistoni
Pag. 6

Maintenance instructions for piston pumps
Page 12

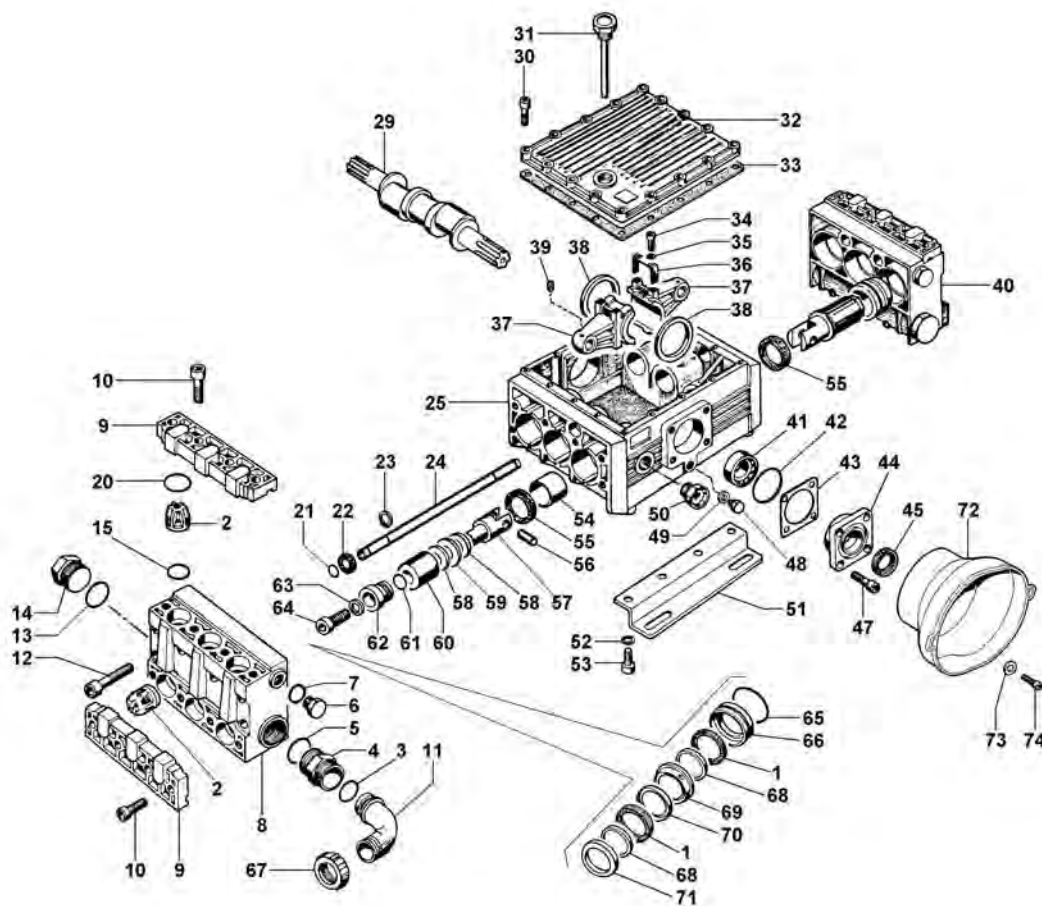
COPPIA DI SERRAGGIO - TORQUE CHART

CODICE CODE	Q.TY	N. POS.	C 230 PW	
			N.m	Lbr.ft
86.4210.00.2	16	10	108	79.7
86.4090.50.2	12	12	68	50.2
86.2216.50.2	16	30	10	7.4
86.1930.00.2	12	34	5 (LOCTITE 242)	3.7 (LOCTITE 242)
86.1924.00.2	6	39	3	2.2
86.3740.50.2	4	53	68 (LOCTITE 242)	50.2 (LOCTITE 242)
86.3950.00.2	6	64	40 (LOCTITE 242)	29.5 (LOCTITE 242)
86.3696.50.2	8	47	68	50.2
TOLLERANZA DI SERRAGGIO:			0 → - 10%	
TOLERANCE ON TORQUE VALUE:			0 → - 10%	

KIT RICAMBI - SPARES KIT C 230 PW

KIT	CODICE PART NUMBER	76.1060.97.3	76.9870.97.3	73.9845.97.3	76.9825.97.3	76.9812.97.3
	DESCRIZIONE DESCRIPTION	KIT POMPA PUMP KIT	VAM VALVES ASSY	GUARNIZ. PISTON PACKINGS	GUARNIZ. VITON-PIST. PACKINGS	PARAOILI GUIDE PISTONI PLUNGERS OIL SEALS
POSIZIONE ESPLOSO POSITION NUMBER		33 22 45 55 61 21 20 15 42 46	2 20 15	70 68 1 65	70 68 1 65	55
QUANTITÀ NEL KIT QUANTITIES INCLUDED		1 2 2 6 6 4 12 12 2 1	12 12 12	6 12 12 6	6 12 12 6	6

C 230 PW



NOMENCLATURA RICAMBI POMPE A PISTONI "C 230 PW"

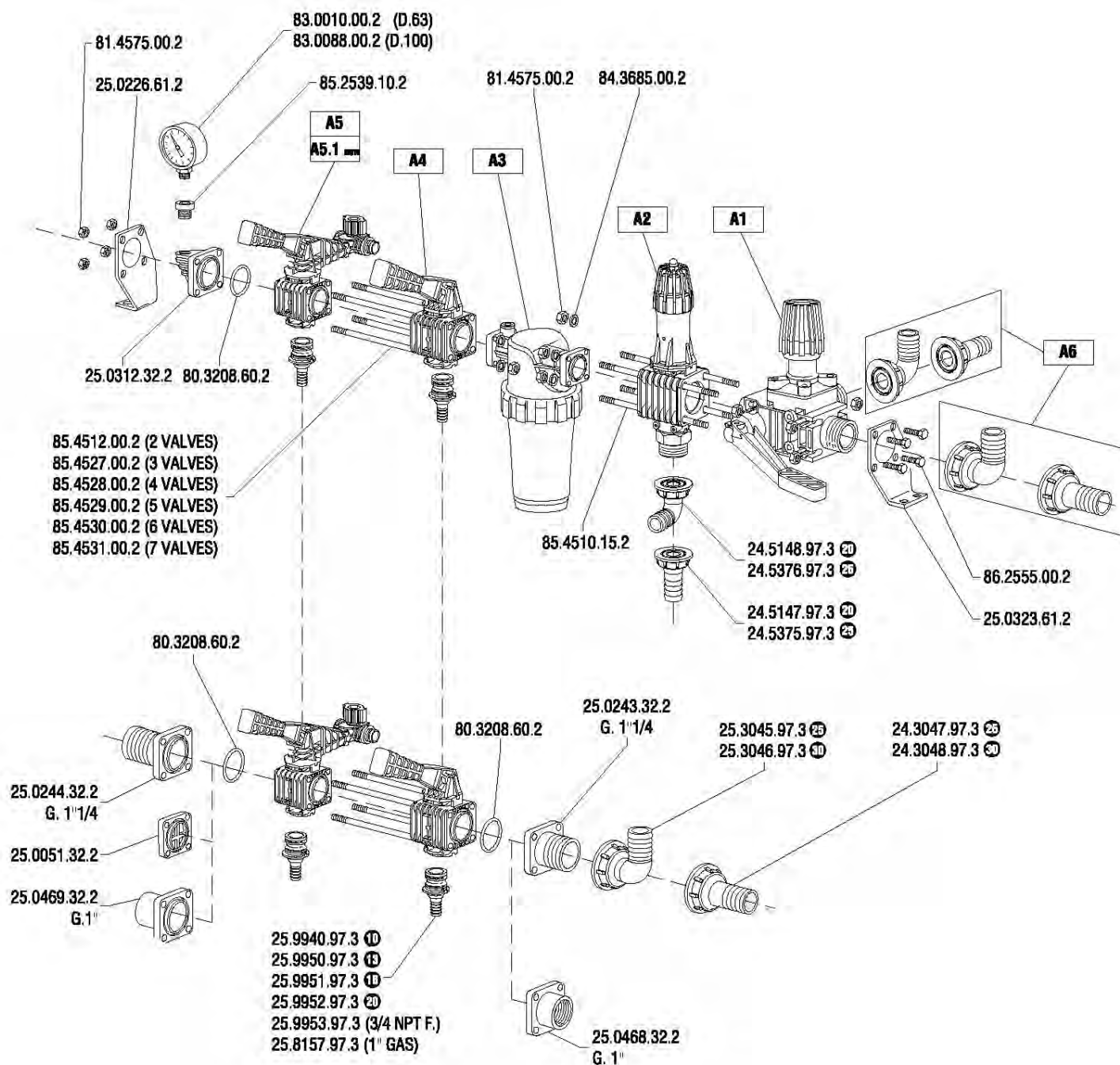
POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	80.2200.00.2	12	ANELLO TENUTA A "V" D.45	44	73.0003.09.2	2	SUPPORTO CUSCINETTO
2	73.9801.97.3	12	GRUPPO VALVOLA A/M	45	80.2143.00.2	2	ANELLO RADIALE
3	80.3219.10.2	2	ANELLO OR 3,0x30	47	86.3696.50.2	8	VITE TCEI M12x25 UNI5931
4	83.5090.35.2	2	NIPPLO G.1"1/4-G.1"1/2	48	85.2579.00.2	1	TAPPO G.3/8
5	80.3209.00.2	2	ANELLO OR 2,62x39,34	49	82.4109.00.2	1	GUARNIZIONE D.17x22x1
6	85.2693.50.2	2	TAPPO G.3/4 NICHELATO	50	85.3515.00.2	1	SPIA LIVELLO OLIO
7	80.3218.00.2	2	ANELLO OR 3,0x22	51	73.0025.61.2	2	PIEDINO
8	76.0226.09.2	1	CORPO POMPA "SINISTRO" NICHELATO	52	84.3844.50.2	4	ROSETTA D.12,2x21x2,5
9	73.0026.09.2	4	COPERCHIO VALVOLE NICHELATO	53	86.3740.50.2	4	VITE TE M12x30 UNI5739
10	86.4210.00.2	16	VITE TCEI M14x40 UNI5931	54	80.4465.00.2	6	BOCCOLA ANTIFRIZIONE
11	84.0591.00.2	2	RACCORDO CURVO D.40	55	80.2180.00.2	6	ANELLO RADIALE
12	86.4090.50.2	12	VITE TCEI M12x100 UNI5931	56	85.2007.50.2	6	SPINOTTO
13	80.3209.00.2	2	ANELLO OR 2,62x39,34	57	73.0011.09.2	6	PATTINO PORTA PISTONE
14	85.2740.00.2	2	TAPPO G.1"1/4	58	73.0056.53.2	12	DISTANZIALE FISSAGGIO PISTONE
15	80.3251.00.2	12	ANELLO OR 3,53x32,93	59	84.4301.00.2	6	ROSETTA PARASPRUZZI
20	80.3262.00.2	12	ANELLO OR 3,53x41,28	60	73.0010.18.2	6	PISTONE CERAMICO D.45
21	80.3217.30.2	4	ANELLO OR 3,0x16	61	80.3195.50.2	6	ANELLO OR 2,62x20,24 VITON
22	80.2089.00.2	2	ANELLO RADIALE	62	73.0041.51.2	6	RONDELLA FISSAGGIO PISTONE
23	80.1160.00.2	2	ANELLO SEEGER D.22	63	84.3872.00.2	6	RONDELLA
24	76.0057.82.2	1	TUBO COLLEGAMENTO MANDATA NICHELATO	64	86.3950.00.2	6	VITE TCEI M12x45 UNI5931 INOX
25	76.0300.08.2	1	CARTER POMPA	65	80.3283.00.2	6	ANELLO OR 3,53x58,74
29	73.0032.26.2	1	ALBERO ECC. 1"3/8 (vr."P")	66	73.0079.54.2	6	LANTERNA POSTERIORE NICHELATA
30	86.2216.50.2	16	VITE TCEI M6x25 UNI5931	67	82.0070.00.2	2	GALLETTO G.1"1/2
31	85.3519.00.2	1	TAPPO CARICO OLIO	68	73.0044.32.2	12	ANELLO DI SPINTA
32	76.0002.09.2	1	COPERCHIO	69	73.0059.53.2	6	LANTERNA ANTERIORE NICHELATA
33	76.0065.72.2	1	GUARNIZIONE CARTER	70	73.0040.32.2	6	ANELLO ANTIESTRUSIONE
34	86.1930.00.2	12	VITE TCEI M5x12 UNI5931	71	73.0039.53.2	6	DISTANZIALE DI FONDO
35	84.3651.50.2	12	ROSETTA SCHNORR D.5,3	72	31.1482.32.2	1	CUFFIA DI PROTEZIONE (OPTIONAL)
36	76.0046.61.2	6	FORCELLA	73	84.3696.00.2	2	ROSETTA D.8,4x18x2 (OPTIONAL)
37	76.0010.09.2	6	BIELLA SINGOLA ALLUMINIO	74	86.2475.00.2	2	VITE TCEI M8x14 UNI5931 (OPTIONAL)
37	76.0014.11.2	6	BIELLA SINGOLA BRONZO (OPTIONAL)				
38	76.0047.76.2	6	ANELLO SERRAGGIO BIELLE				
39	86.1924.00.2	6	VITE STEI M5x6 UNI5927 ESLOK				
40	76.0225.09.2	1	CORPO POMPA "DESTRO" NICHELATO				
41	81.2859.00.2	2	CUSCINETTO RULLI				
42	80.3290.00.2	2	ANELLO OR 3,53x85,32				
43	73.0061.65.2	1	SPESSORE SP.0,1				
43	73.0060.65.2	1	SPESSORE SP.0,2				

★ IN VITON REPLACE THE LAST 3 NUMBERS BY....50.2

MANUAL MULTICONTROL

Section: **A**

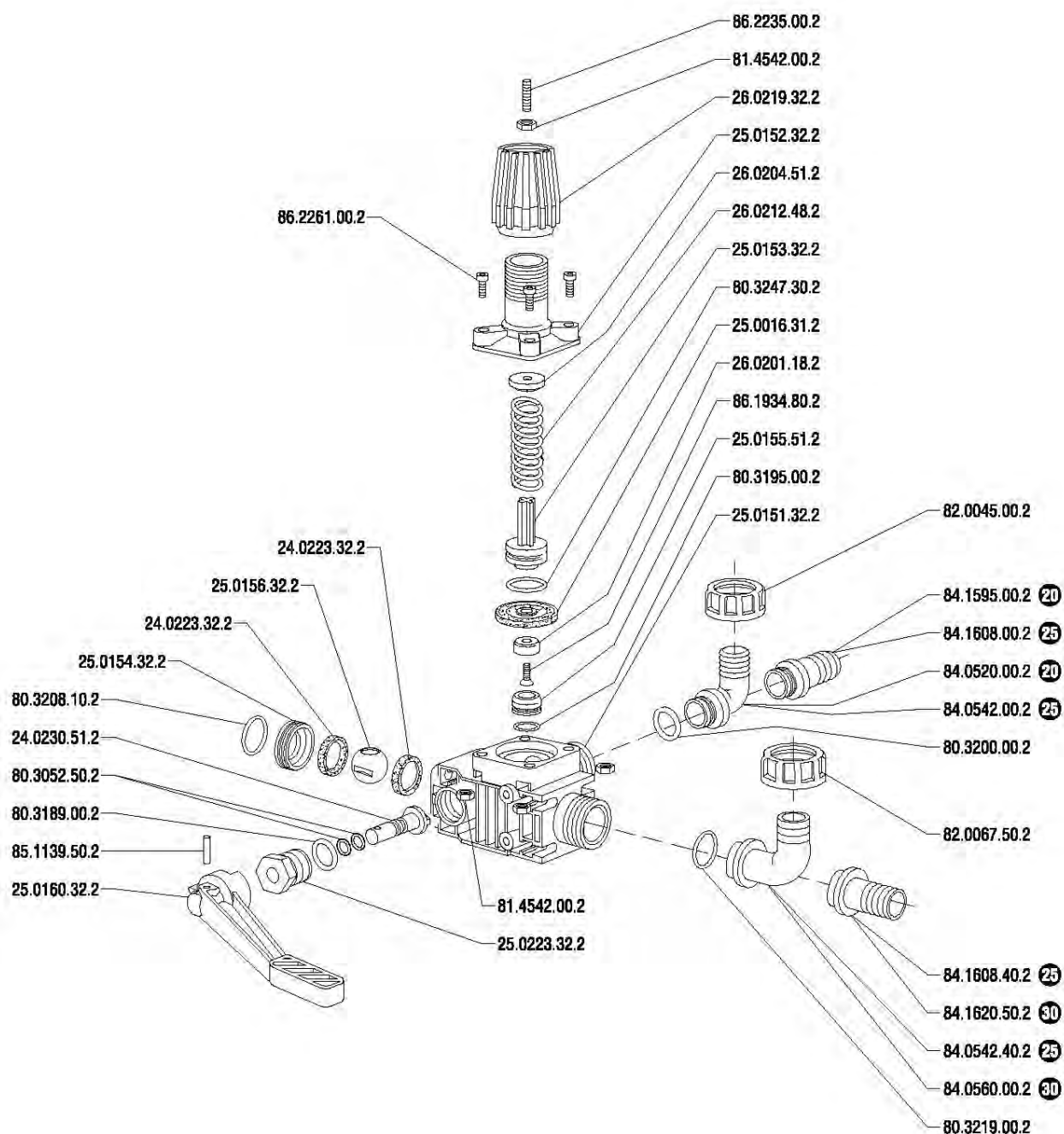
Table: **A0**



MANUAL MULTICONTROL - REGULATION UNIT

Section: **A**

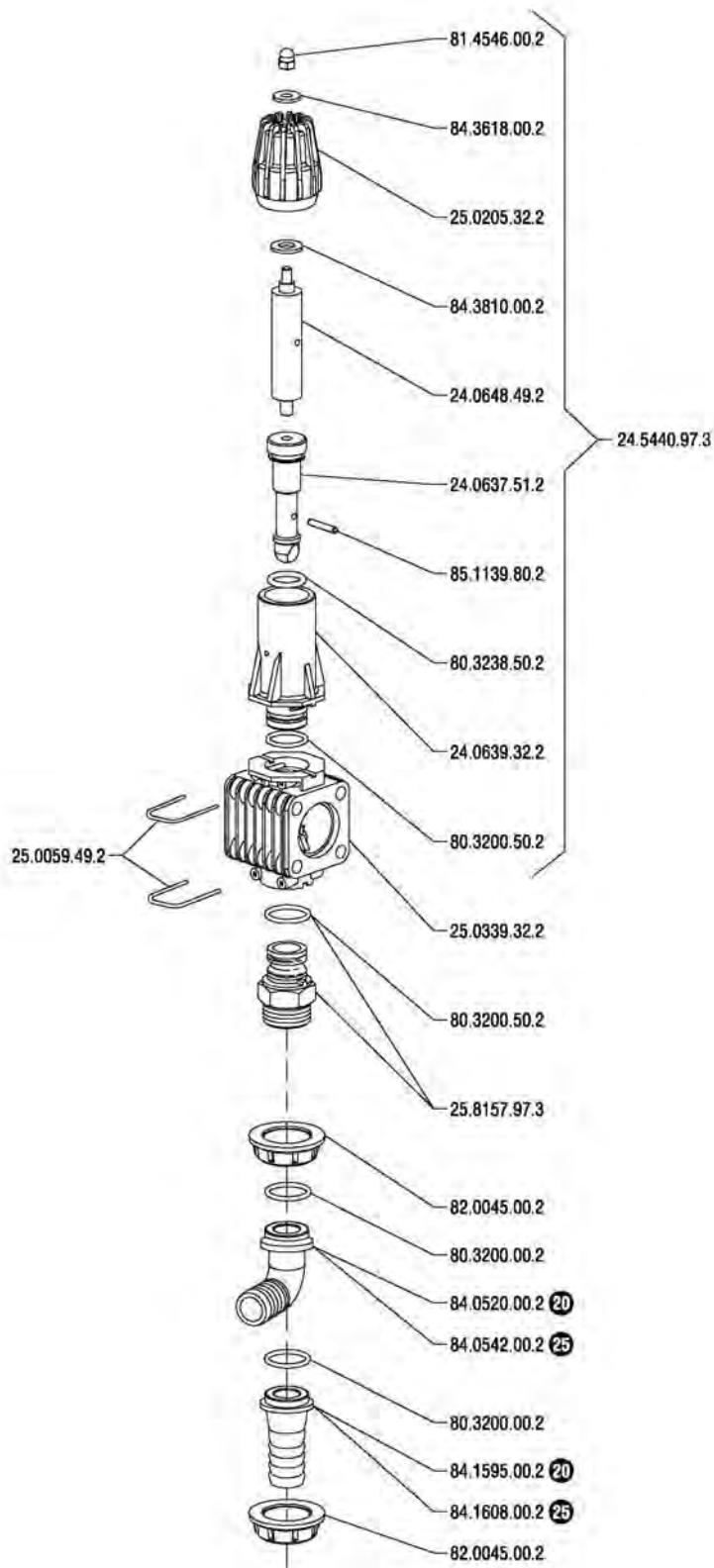
Table: **A1**



MANUAL MULTICONTROL - VOLUMETRIC VALVE (VPBPM)

Section: **A**

Table: **A2**

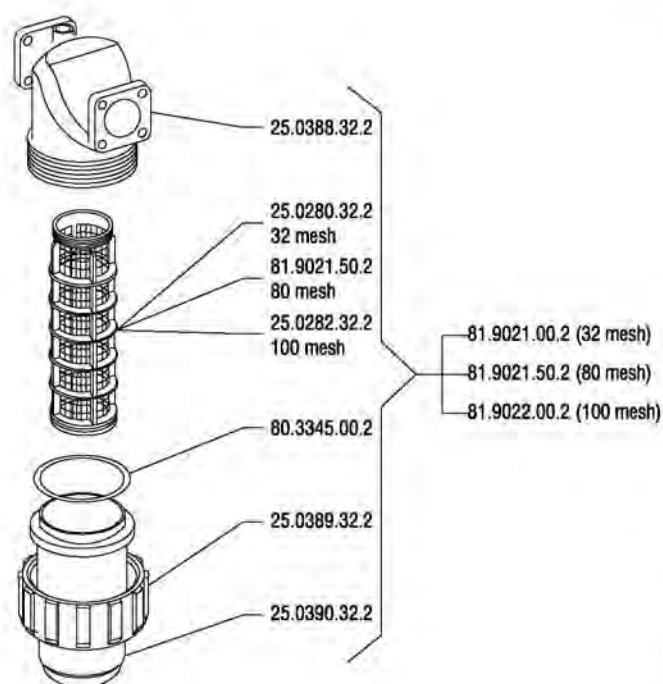


MANUAL MULTICONTROL - LINE FILTERS

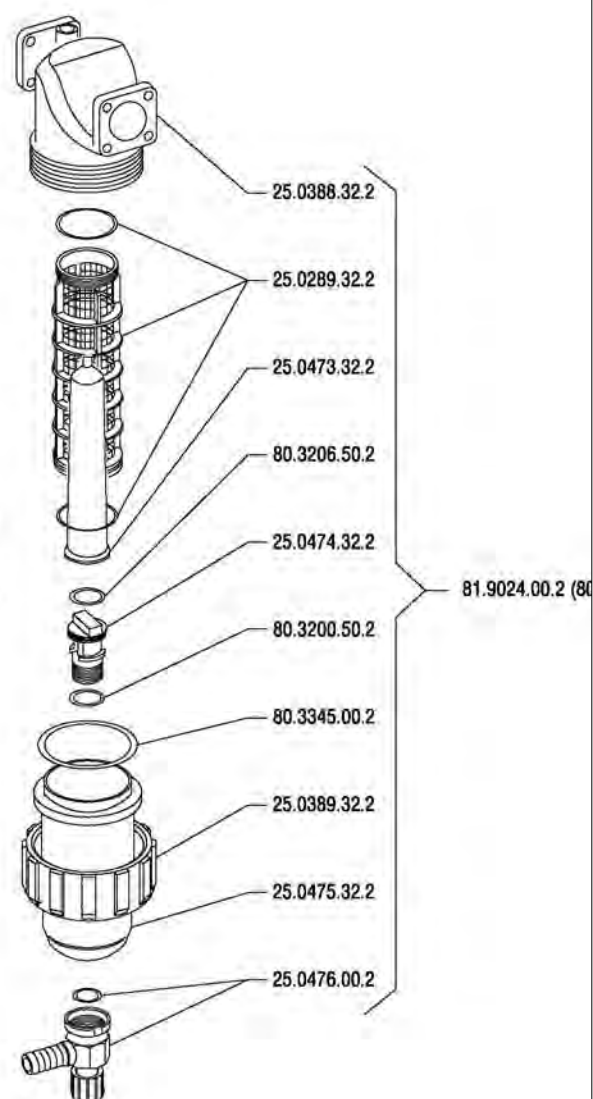
Section: **A**

Table: **A3**

Standard



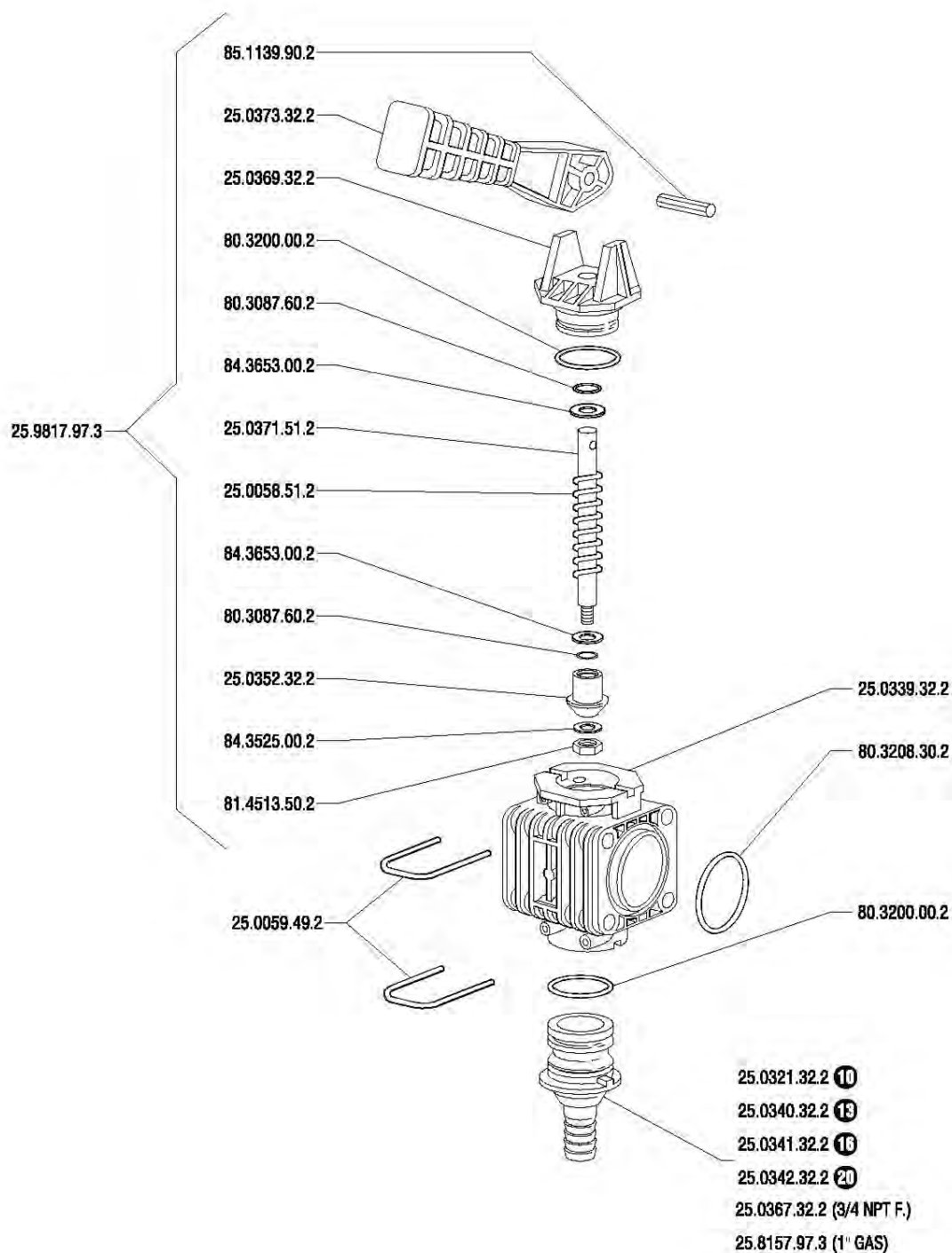
Selfcleaning



MANUAL MULTICONTROL - RS MANUAL VALVE

Section: **A**

Table: **A4**

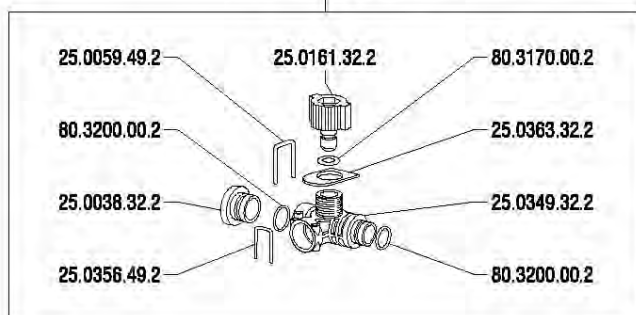


MANUAL MULTICONTROL - RD MANUAL VALVE

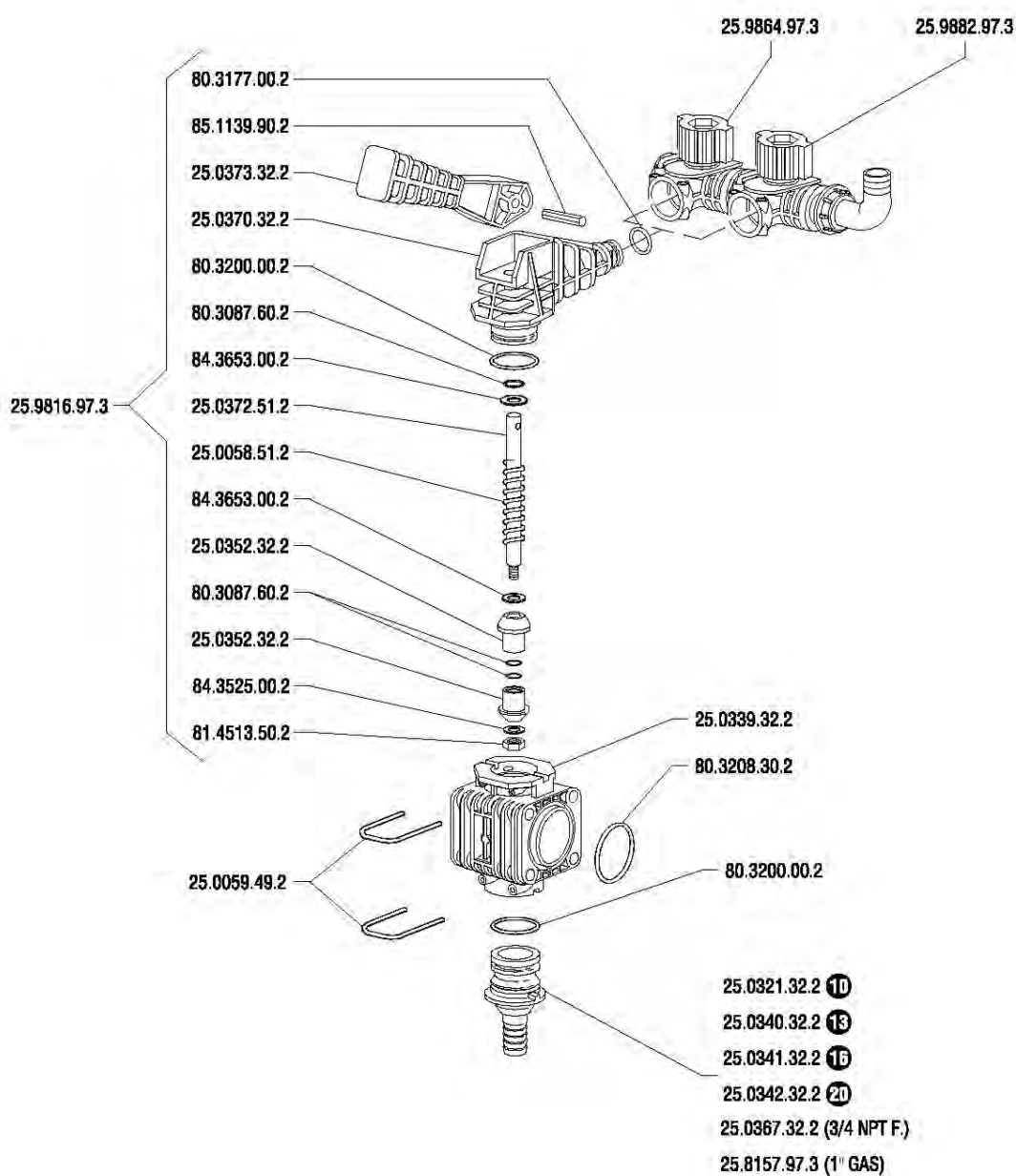
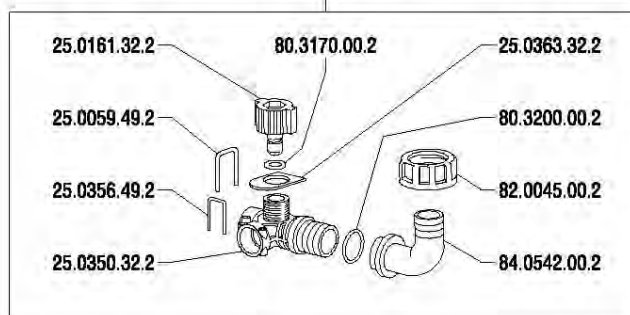
Section: **A**

Table: **A5**

Kit by-pass intermedio
25.9864.97.3
Intermediate by-pass kit



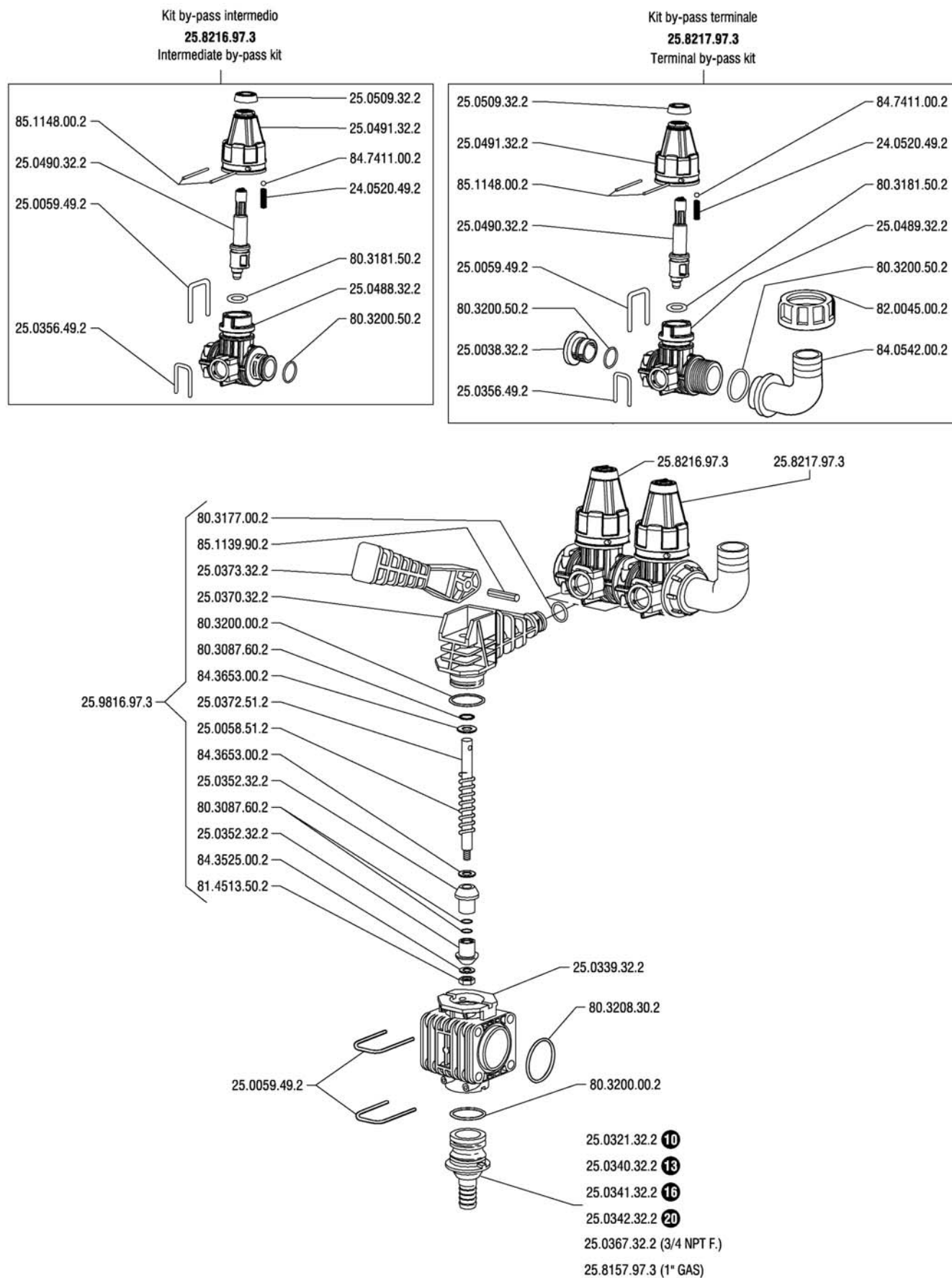
Kit by-pass terminale
25.9882.97.3
Terminal by-pass kit



MANUAL MULTICONTROL - NEW RD MANUAL VALVE

Section: **A**

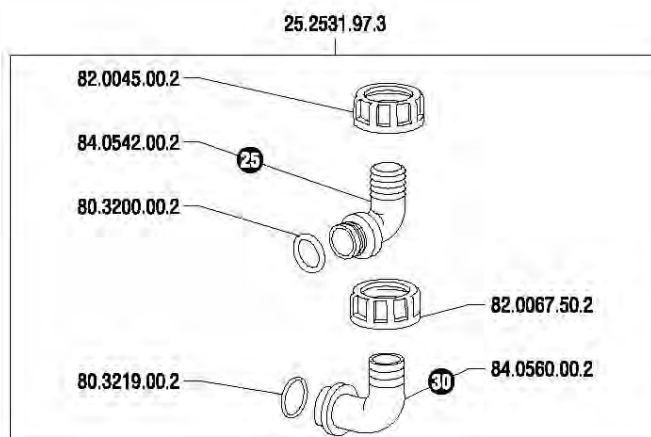
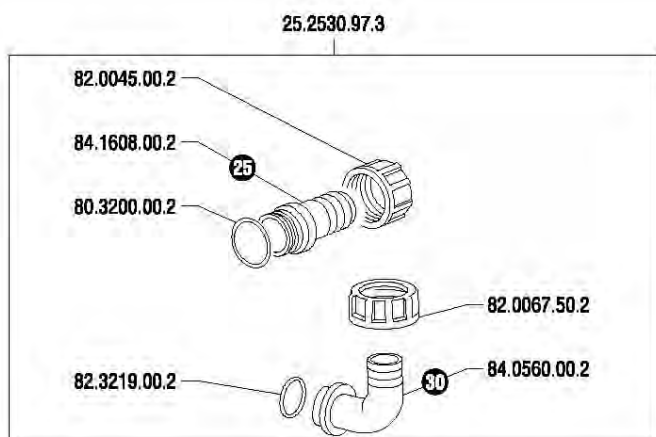
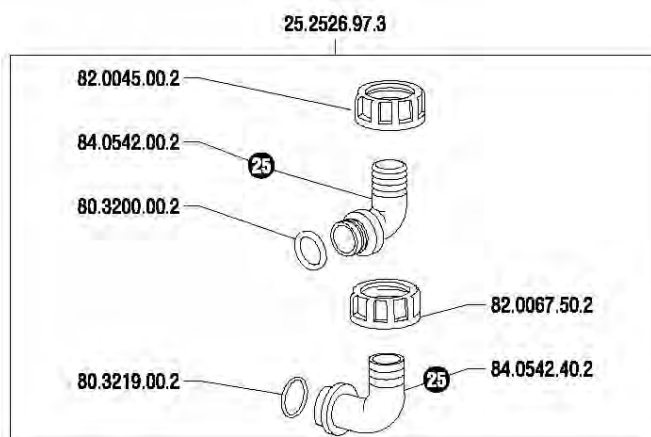
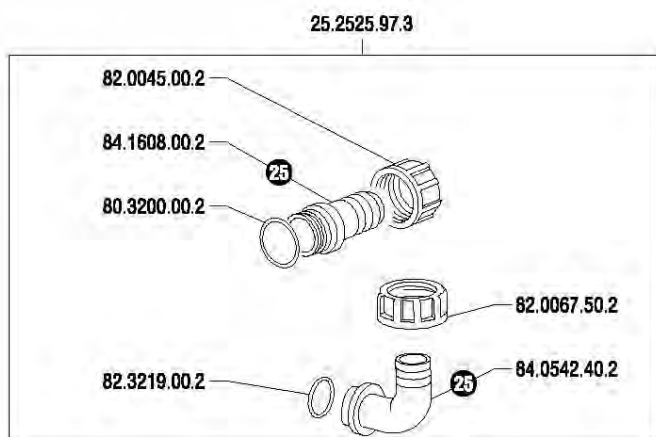
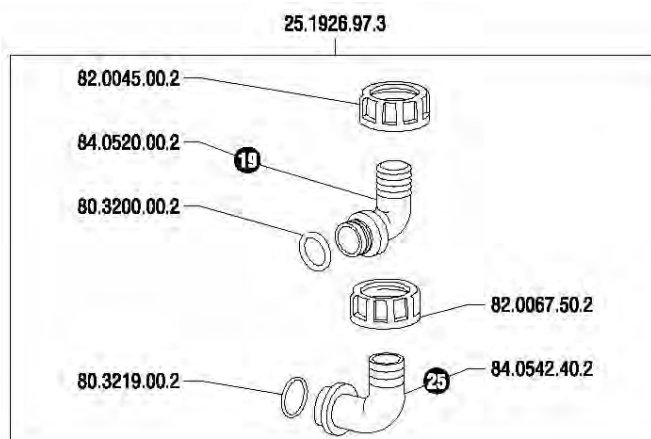
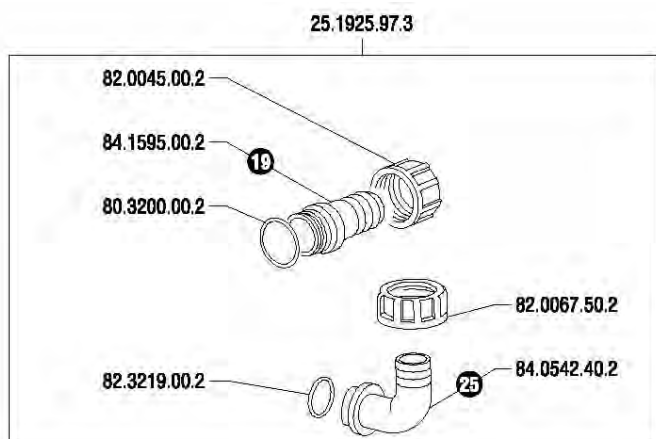
Table: **A5.1**



MANUAL MULTICONTROL - INLET AND BYPASS FITTINE KITS

Section: **A**

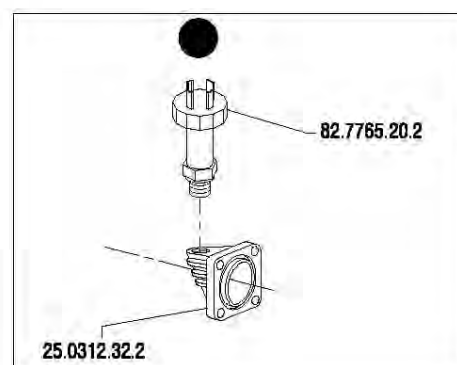
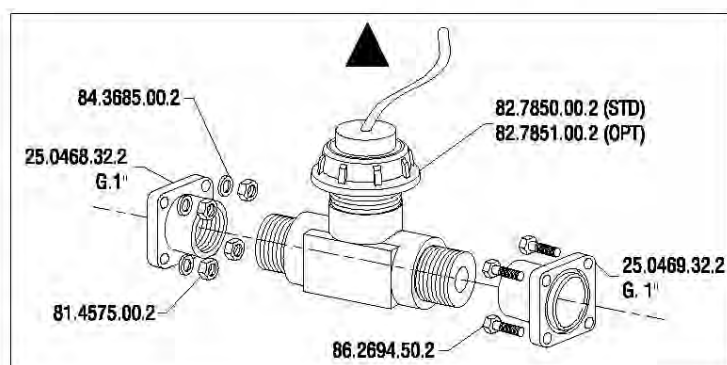
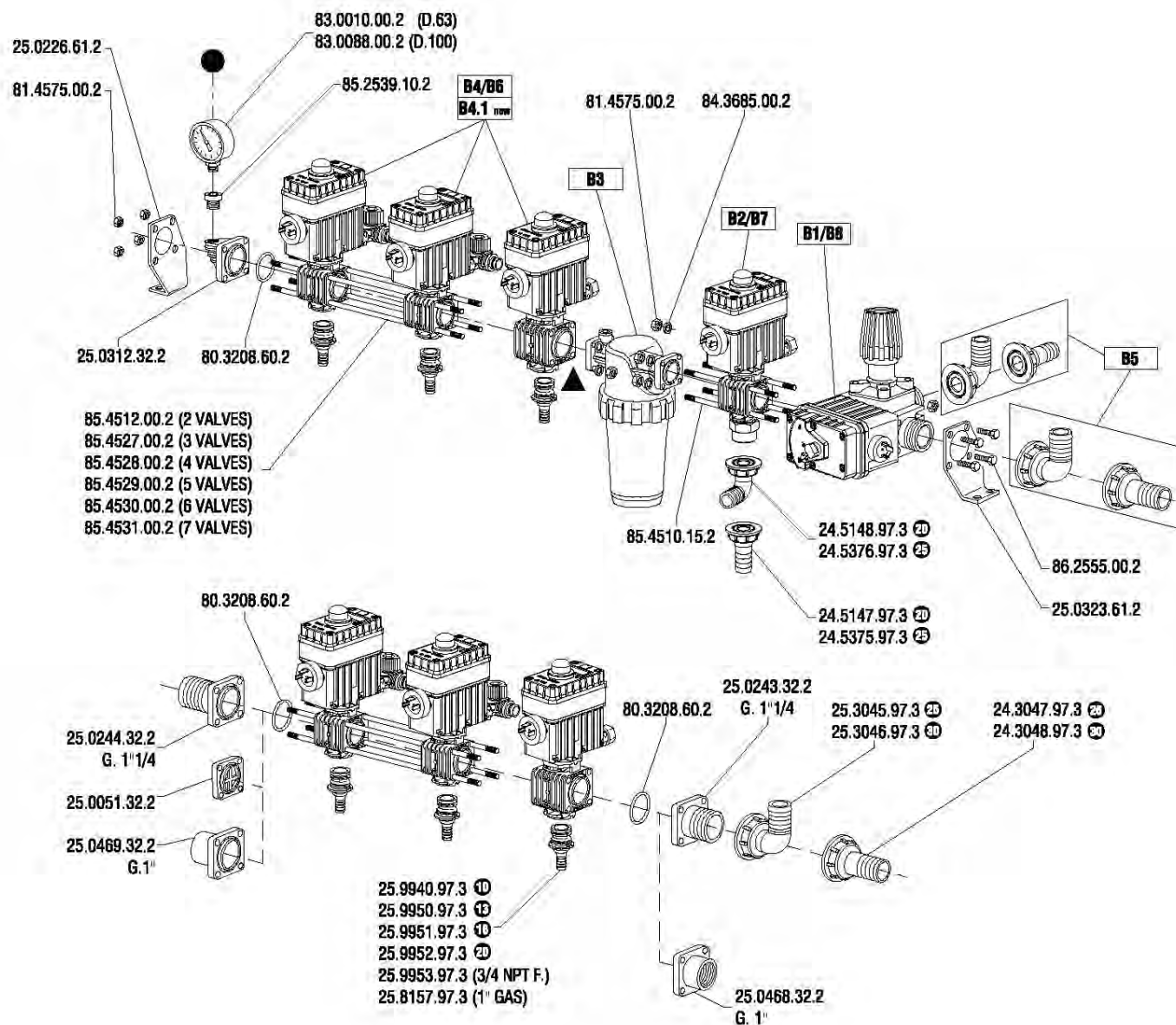
Table: **A6**



MOTOR POWERED MULTICONTROL

Section: **B**

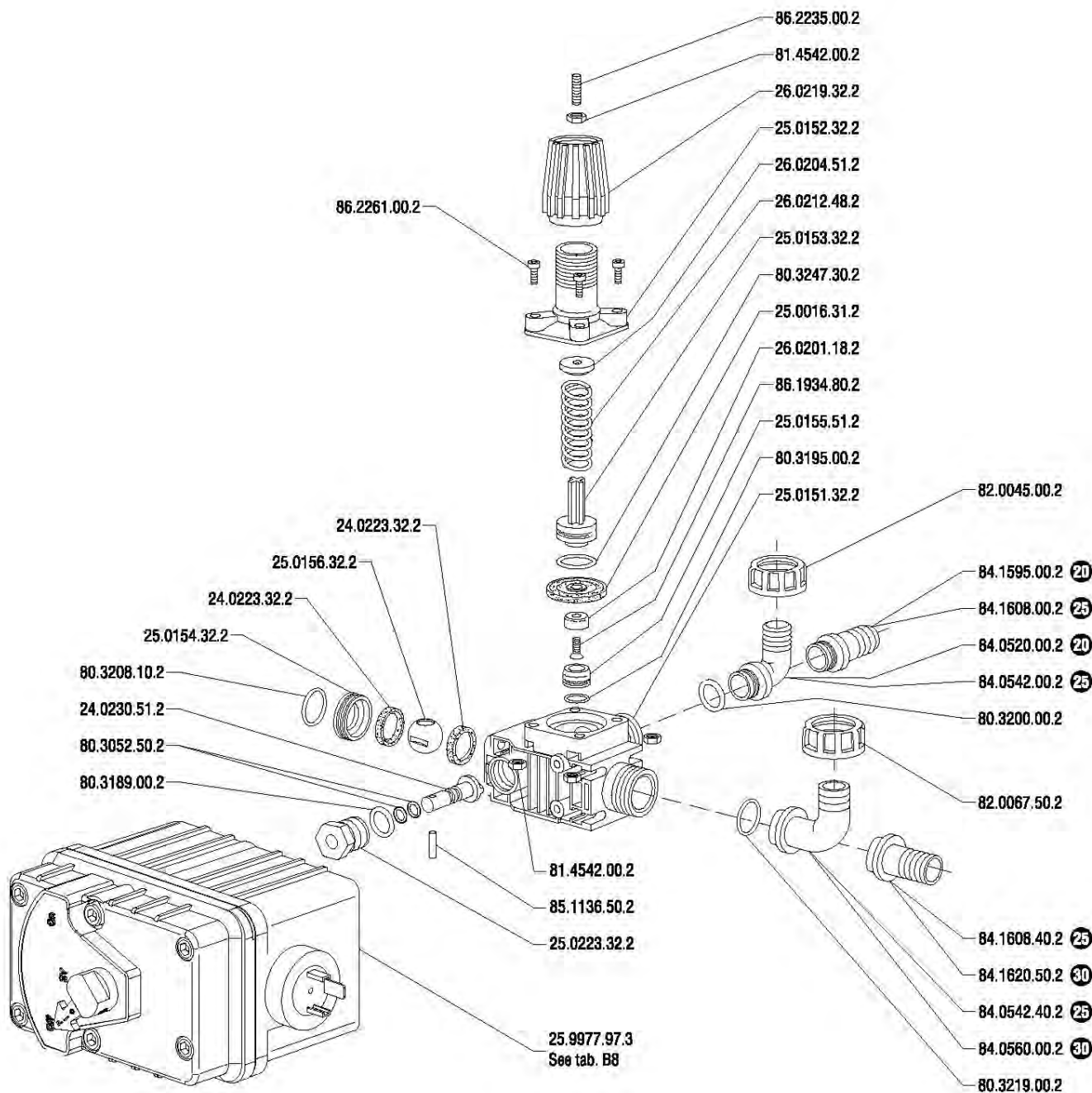
Table: **B0**



MOTOR POWERED MULTICONTROL - REGULATING UNIT

Section: **B**

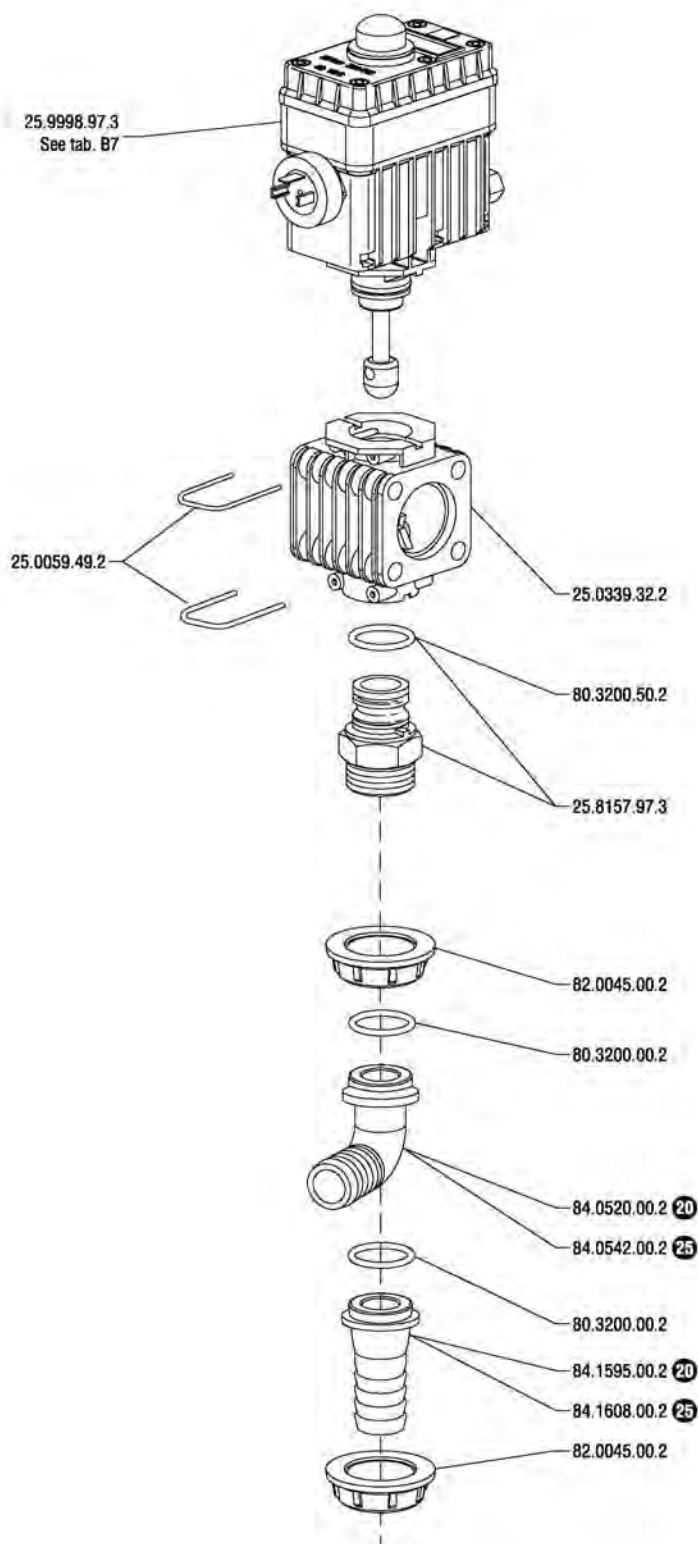
Table: **B1**



MOTOR POWERED MULTICONTROL - VPBPM

Section: **B**

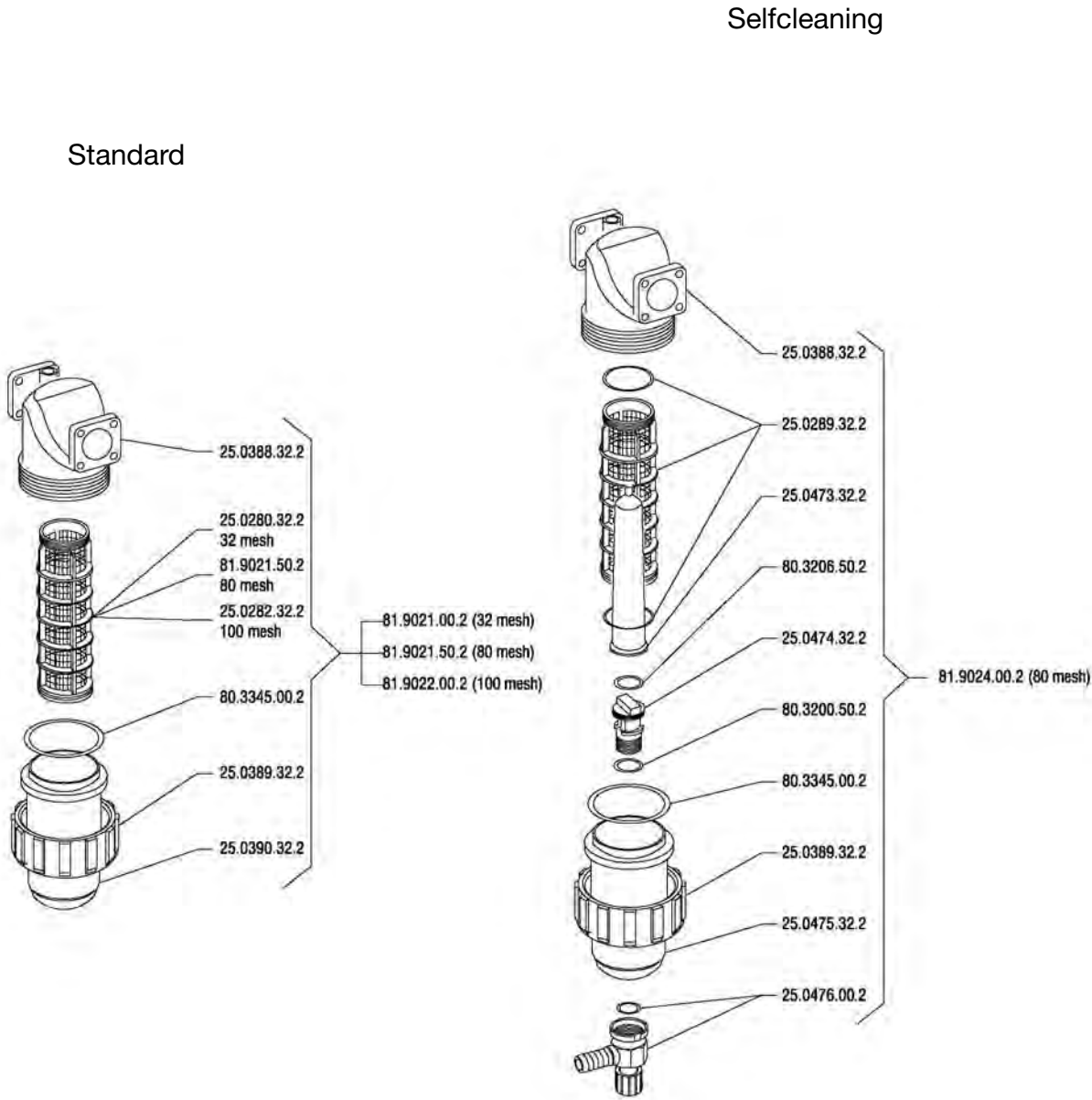
Table: **B2**



MOTOR POWERED MULTICONTROL - LINE FILTERS

Section: B

Table: B3

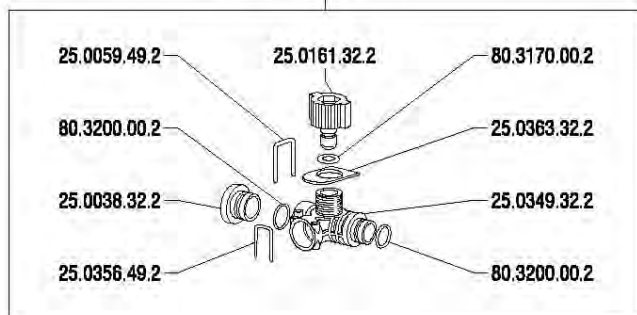


MOTOR POWERED MULTICONTROL - RD MOTOR POWERED VALVE

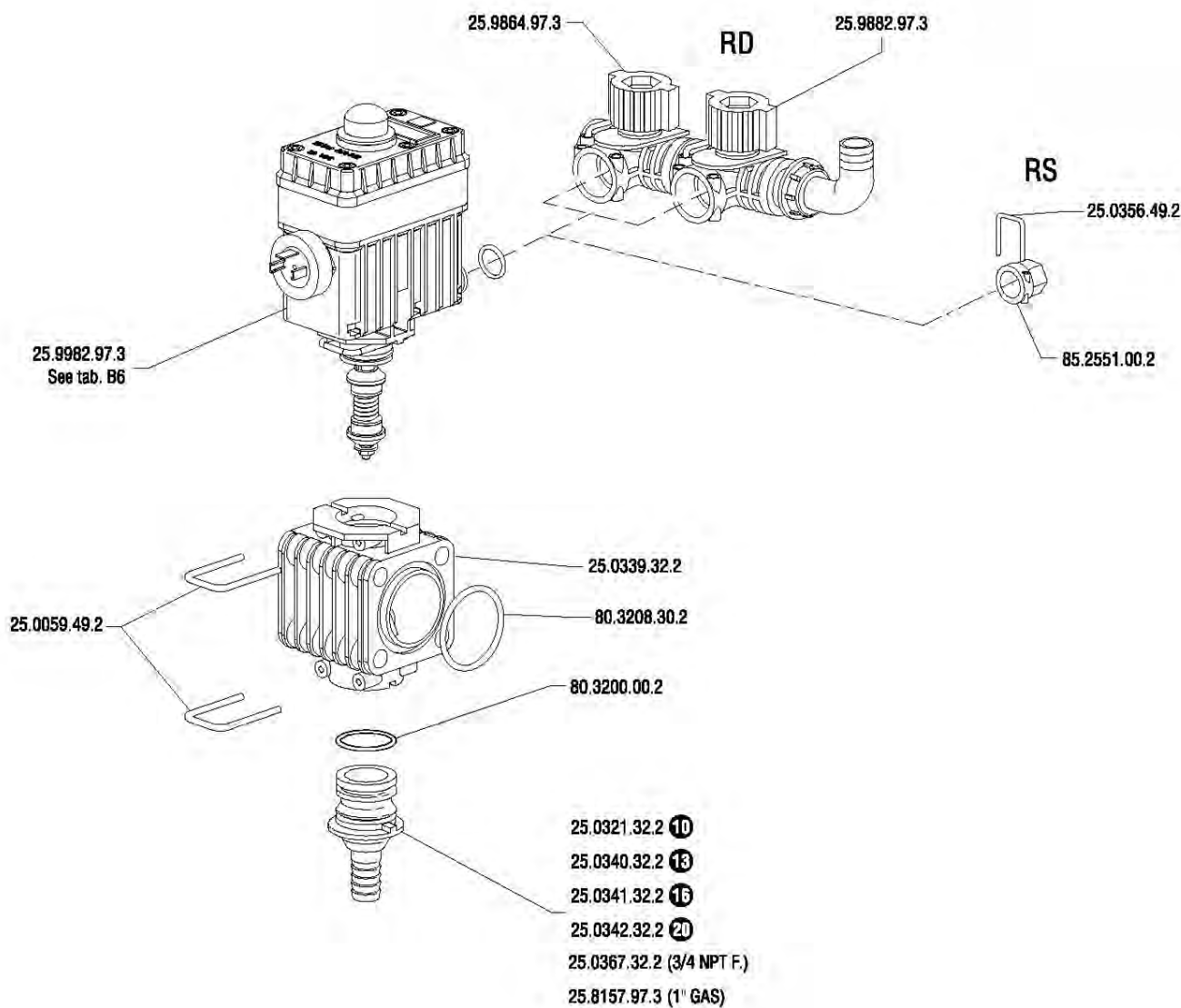
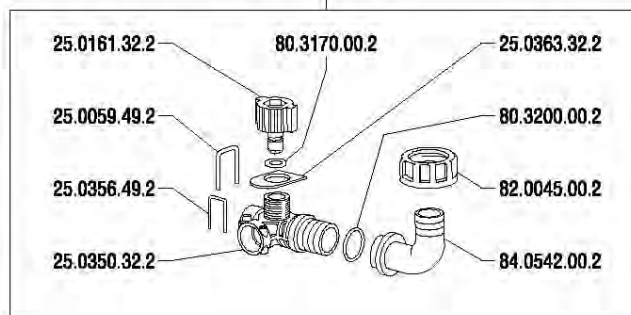
Section: **B**

Table: **B4**

Kit by-pass intermedio
25.9864.97.3
Intermediate by-pass kit



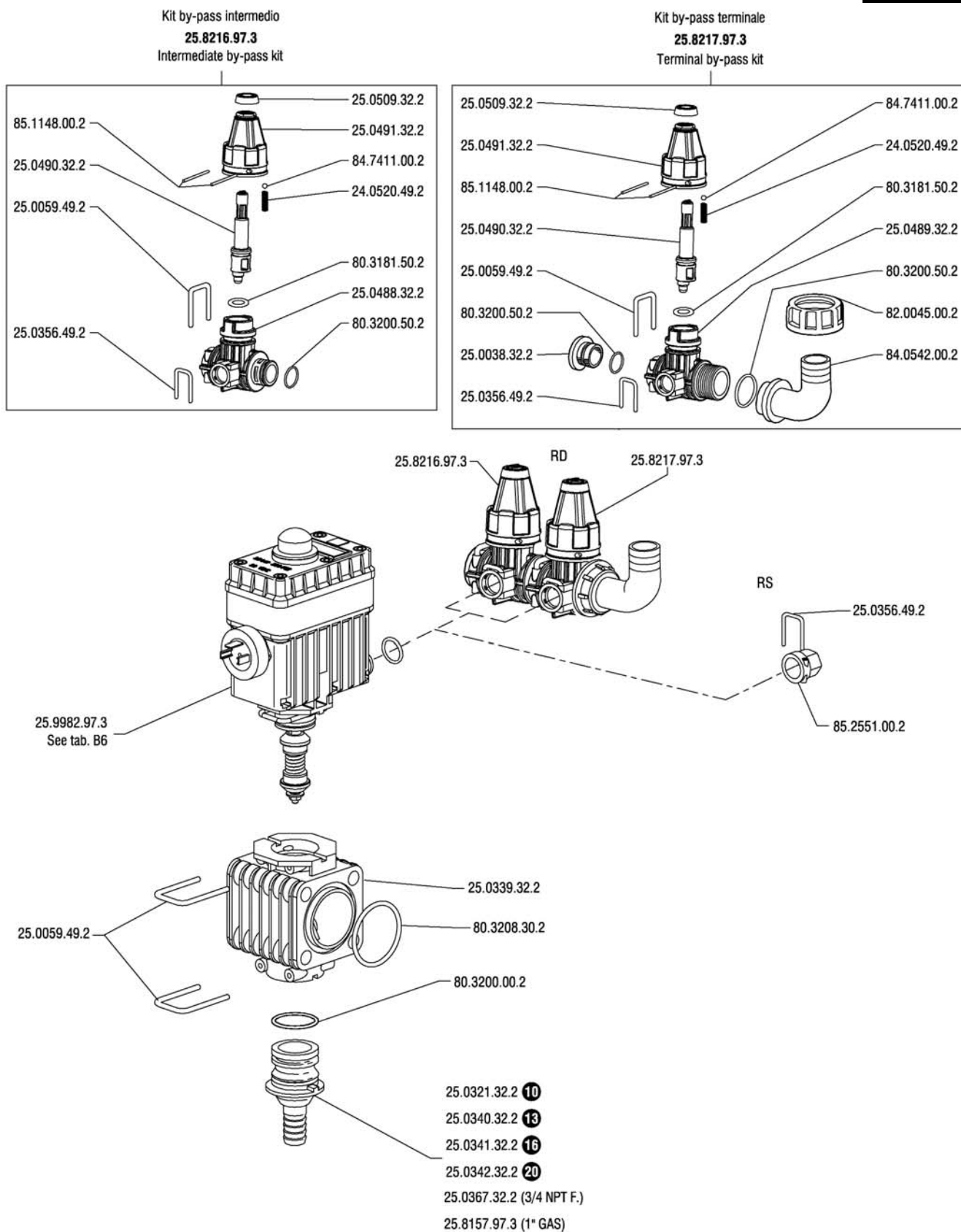
Kit by-pass terminale
25.9882.97.3
Terminal by-pass kit



MOTOR POWERED MULTICONTROL - NEW RD VALVE

Section: **B**

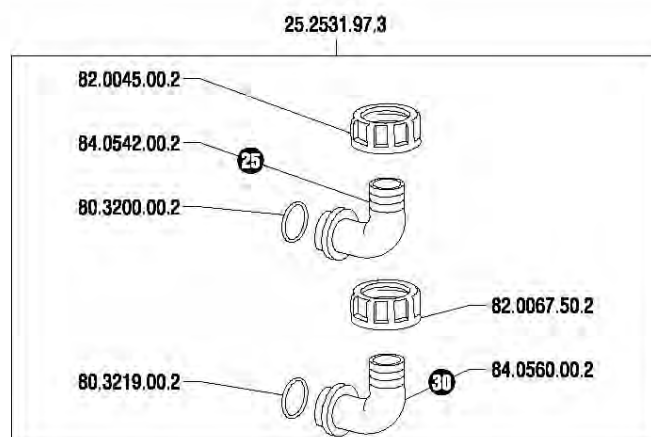
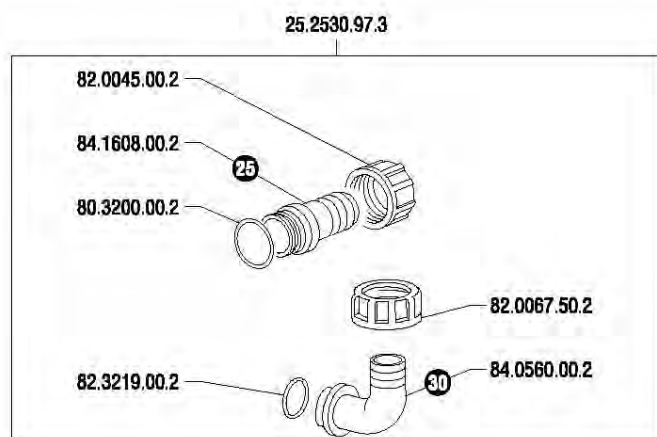
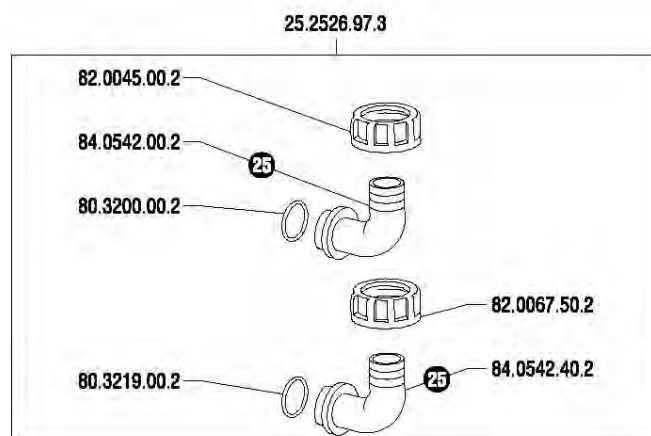
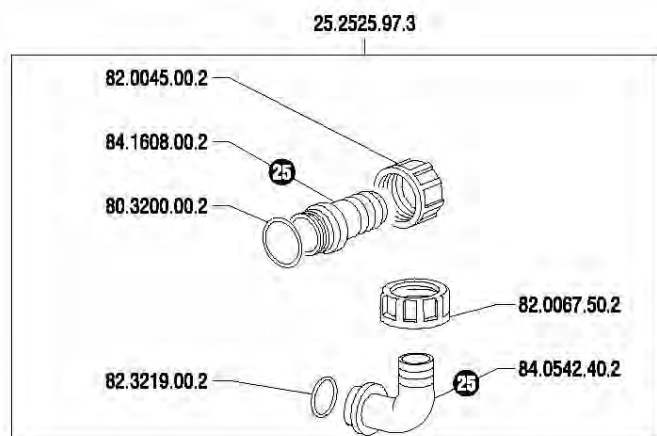
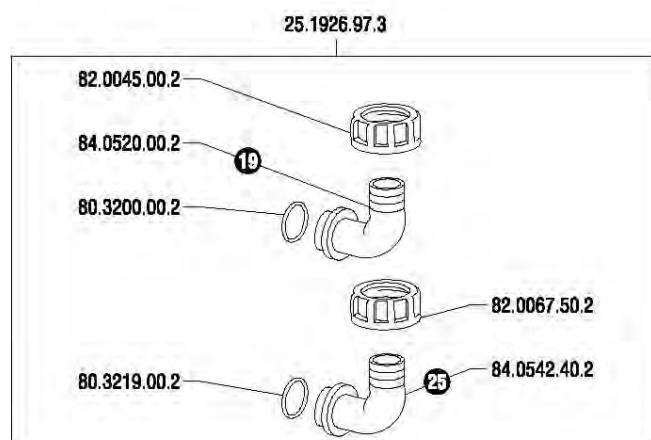
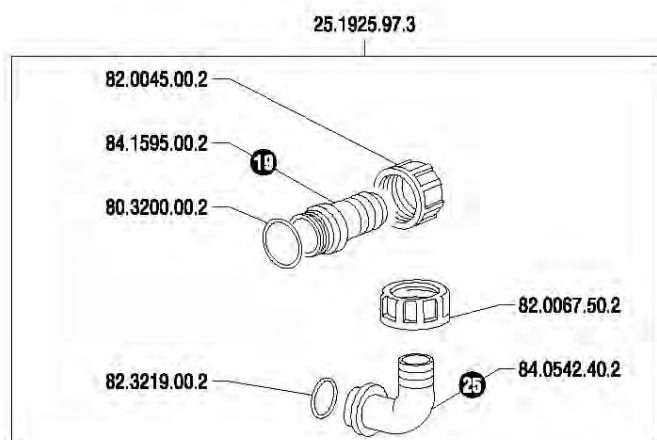
Table: **B4.1**



MOTOR POWERED MULTICONTROL - FITTINE KITS

Section: **B**

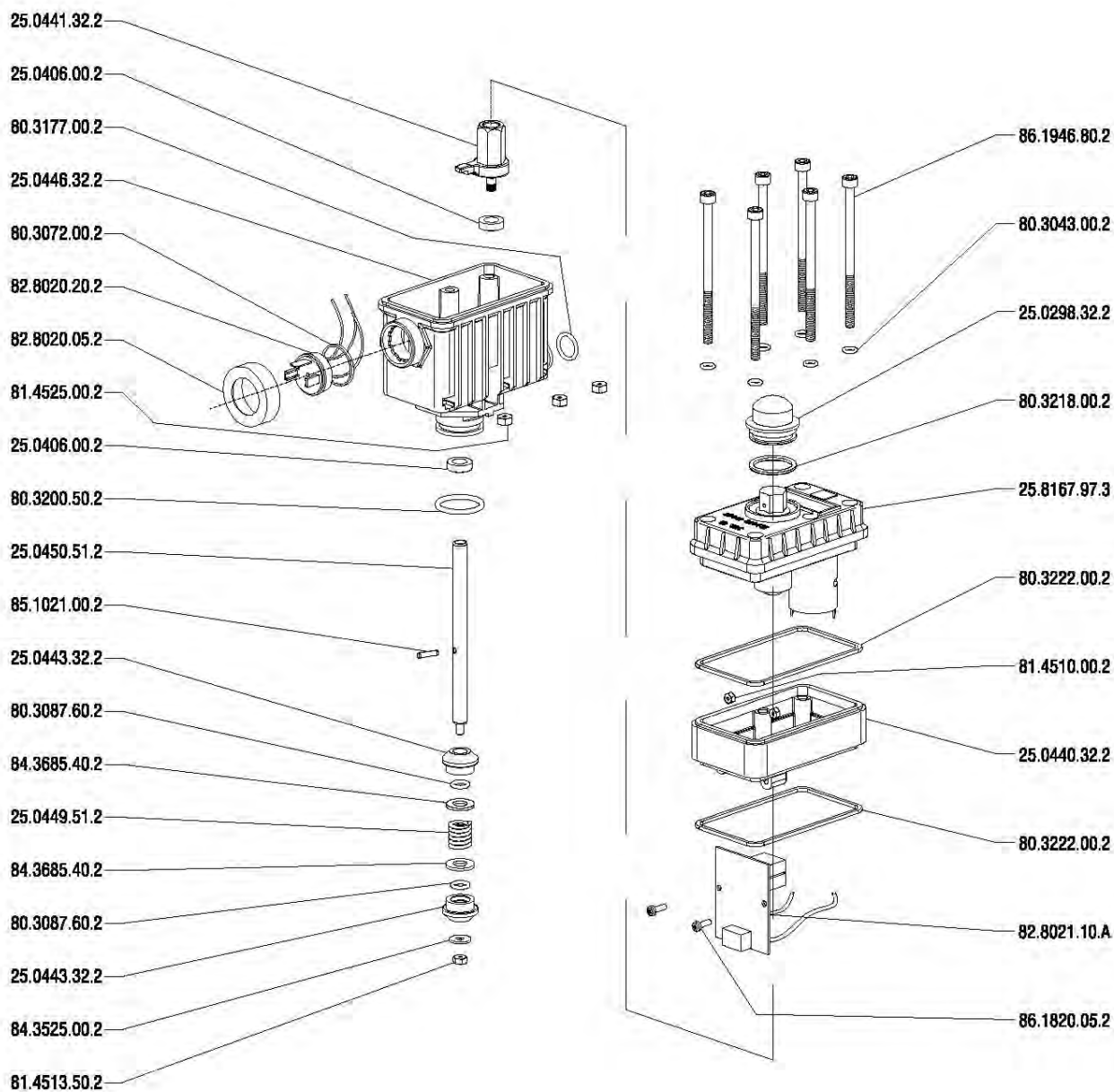
Table: **B5**



MOTOR POWERED MULTICONTROL - VS (YELLOW)

Section: **B**

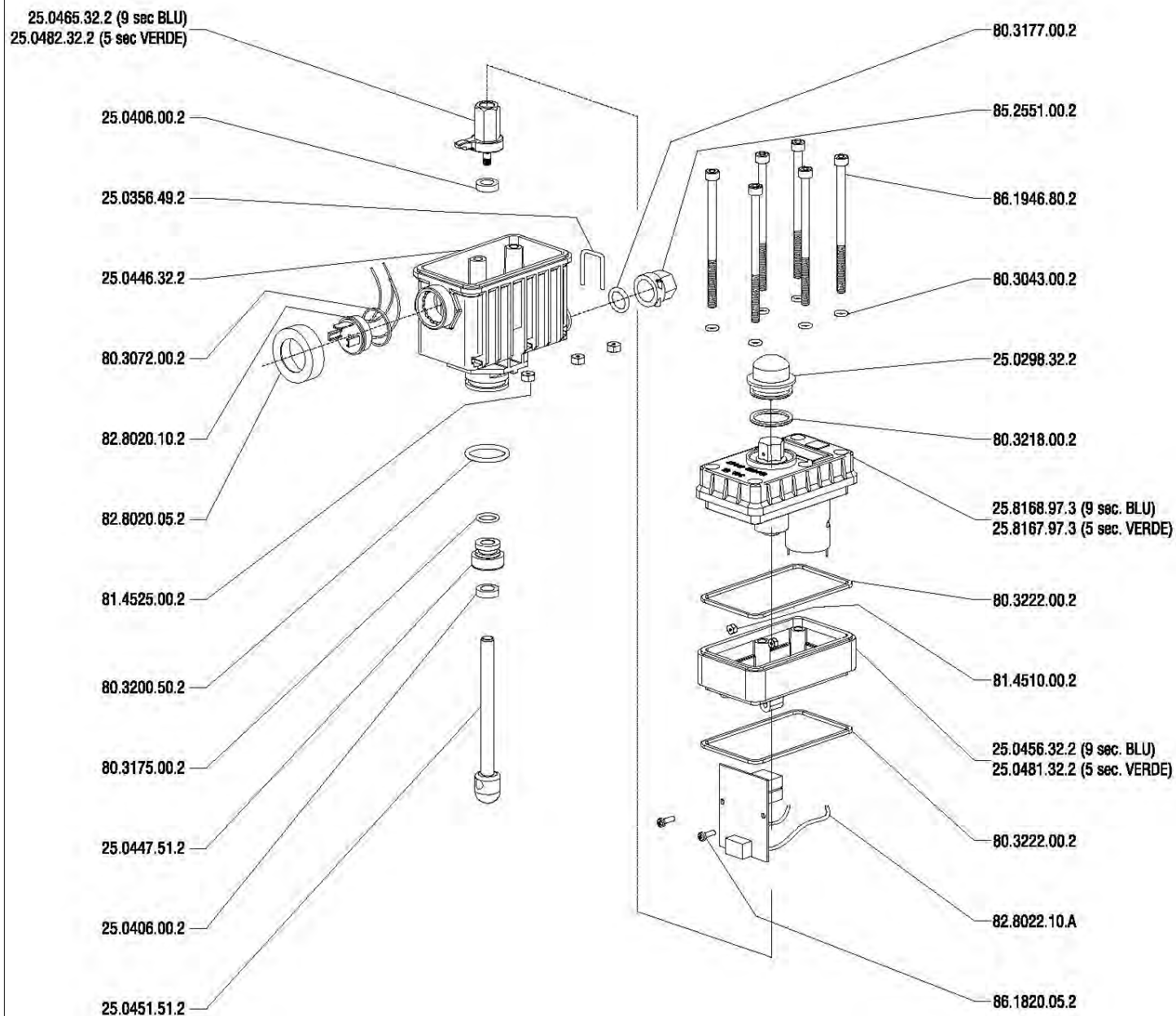
Table: **B6**



MOTOR POWERED MULTICONTROL - VV (BLUE OR GREEN)

Section: **B**

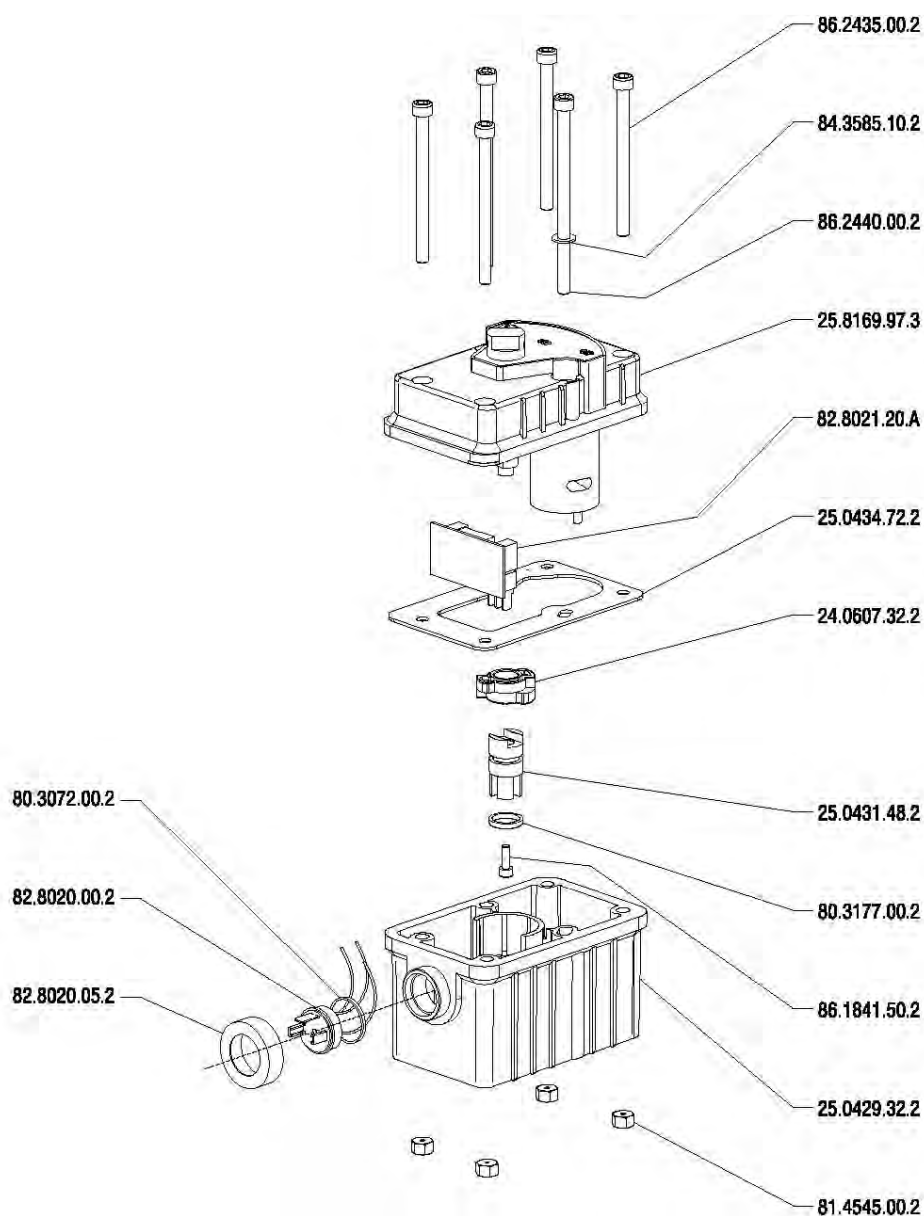
Table: **B7**



MOTOR POWERED MULTICONTROL - VG (BLACK)

Section: **B**

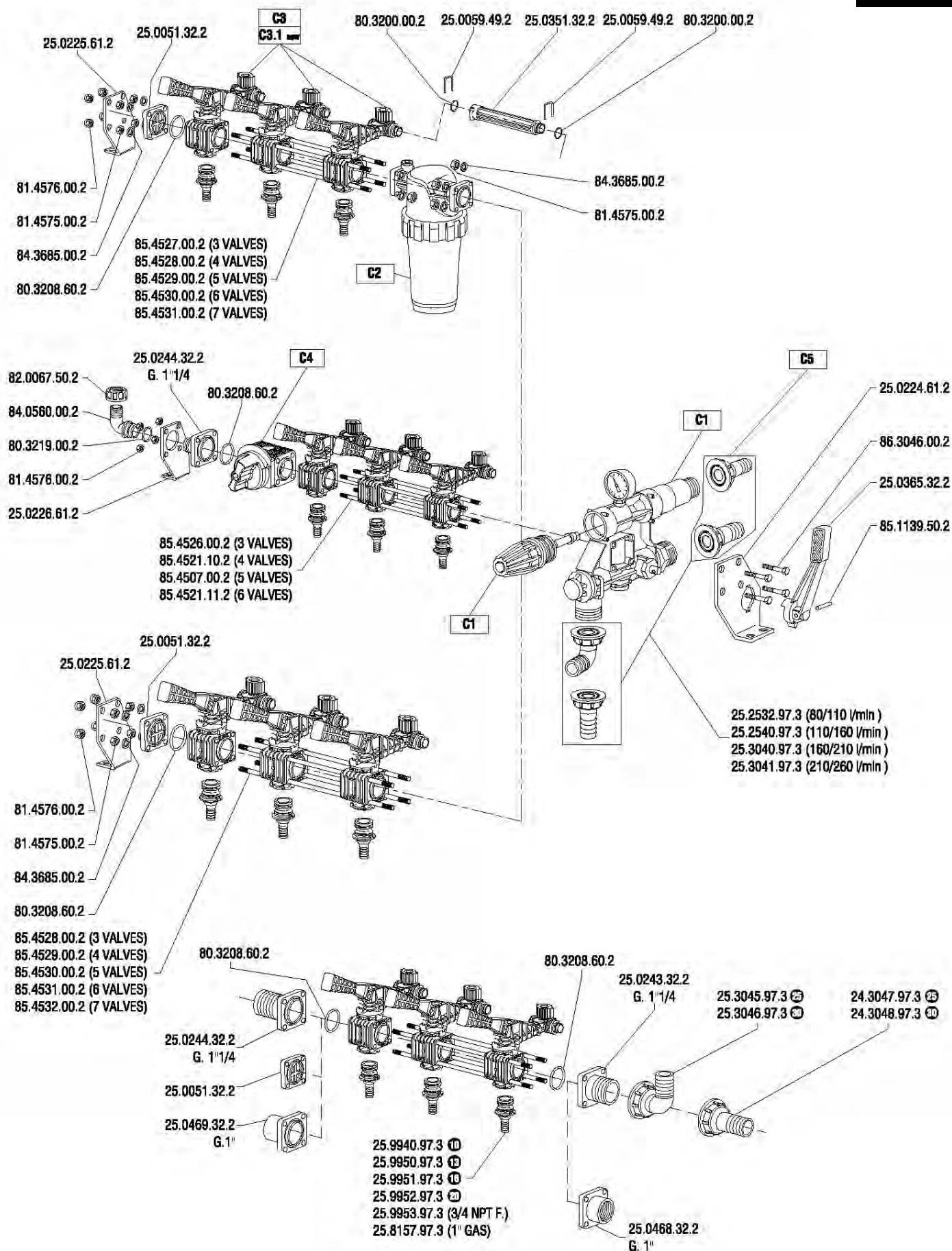
Table: **B8**



MANUAL NERGYDROP

Section: **C**

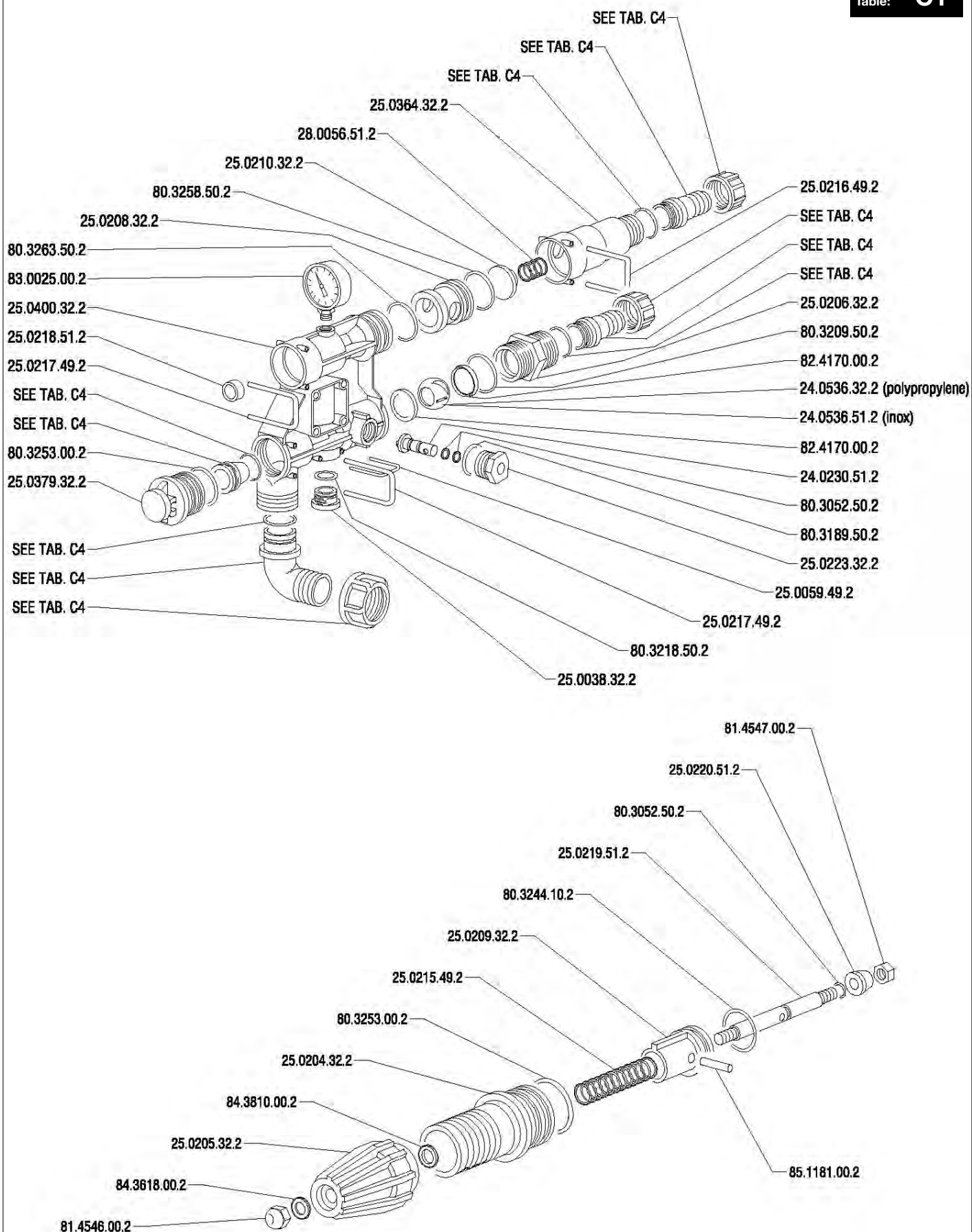
Table: **C0**



MANUAL NERGYDROP - REGULATING UNIT

Section: **C**

Table: **C1**



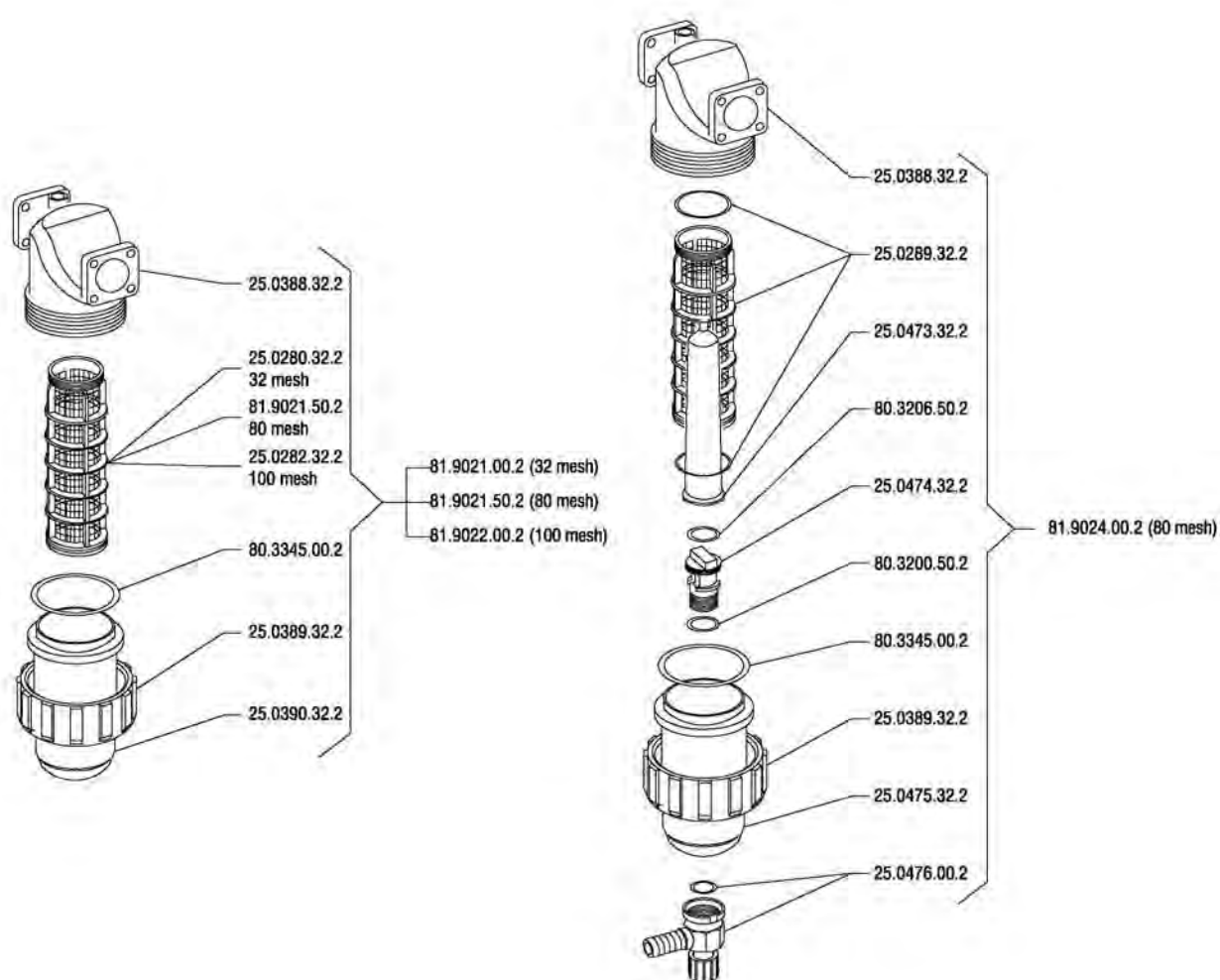
MANUAL NERGYDROP - LINE FILTERS

Section: **C**

Table: **C2**

Standard

Selfcleaning

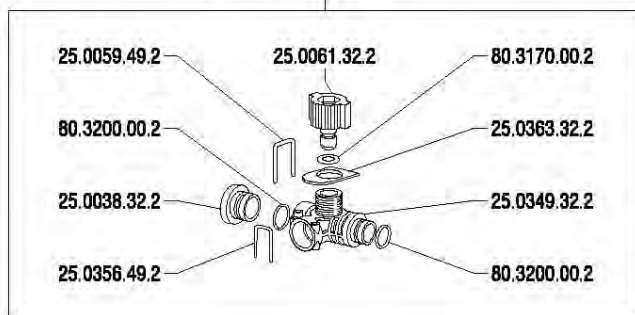


MANUAL NERGYDROP - RD

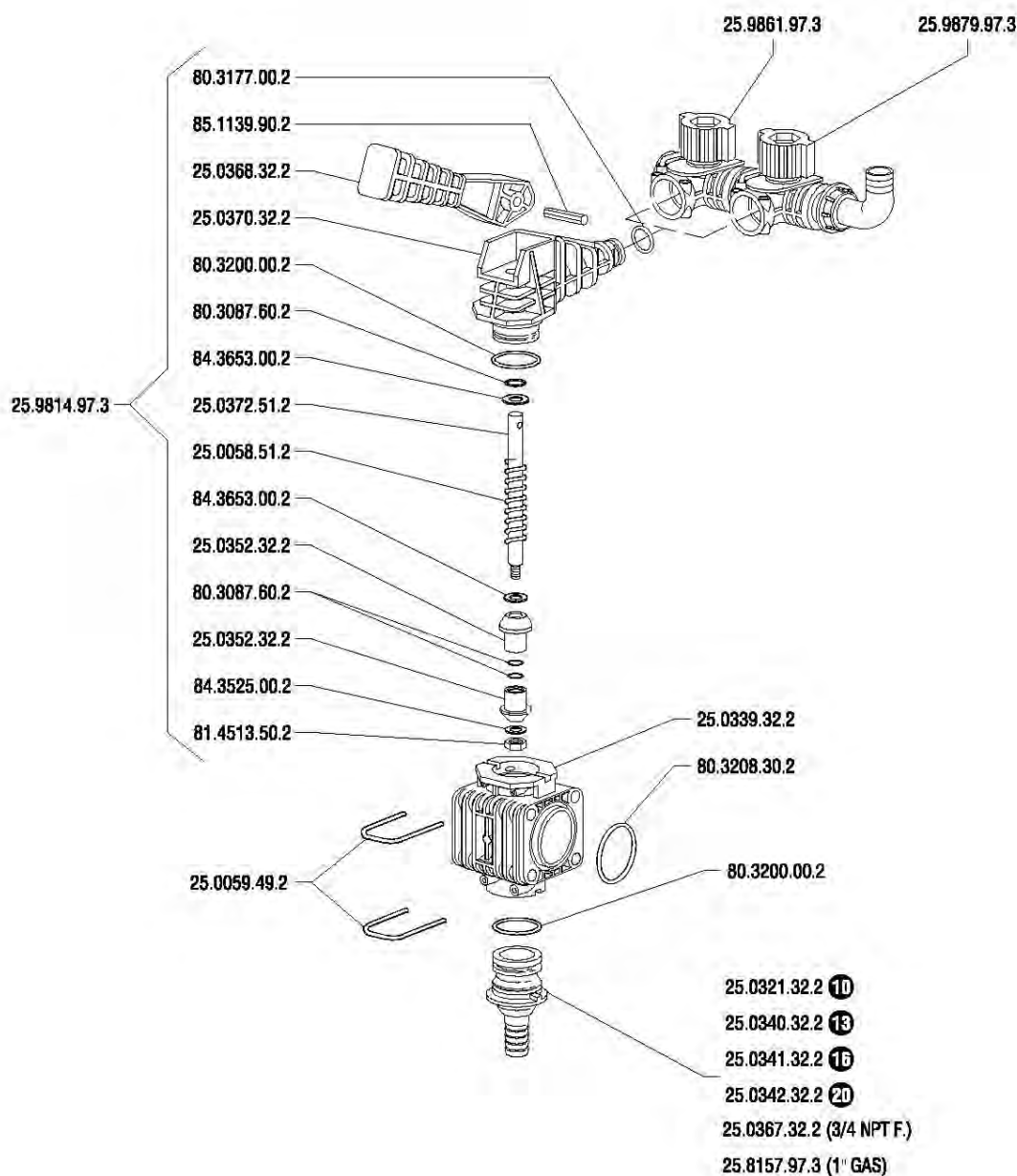
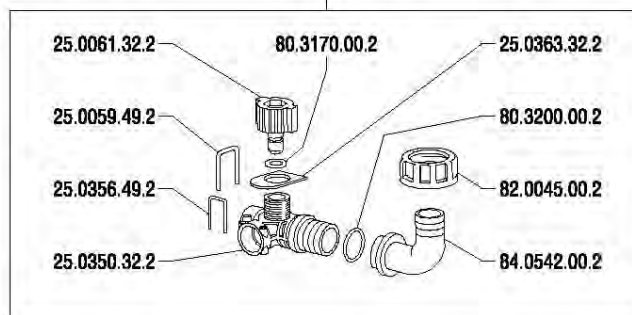
Section: **C**

Table: **C3**

Kit by-pass intermedio
25.9861.97.3
Intermediate by-pass kit



Kit by-pass terminale
25.9879.97.3
Terminal by-pass kit

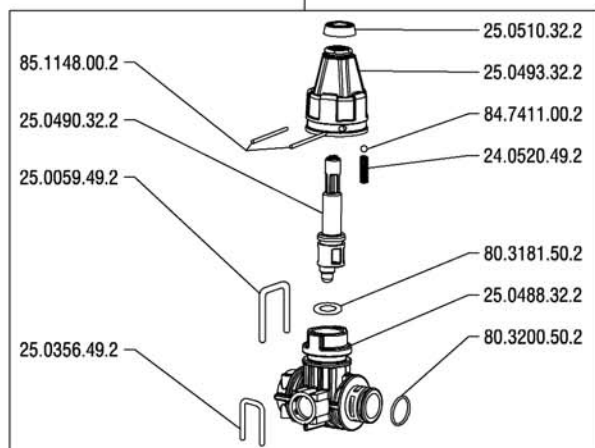


MANUAL NERGYDROP - NEW RD

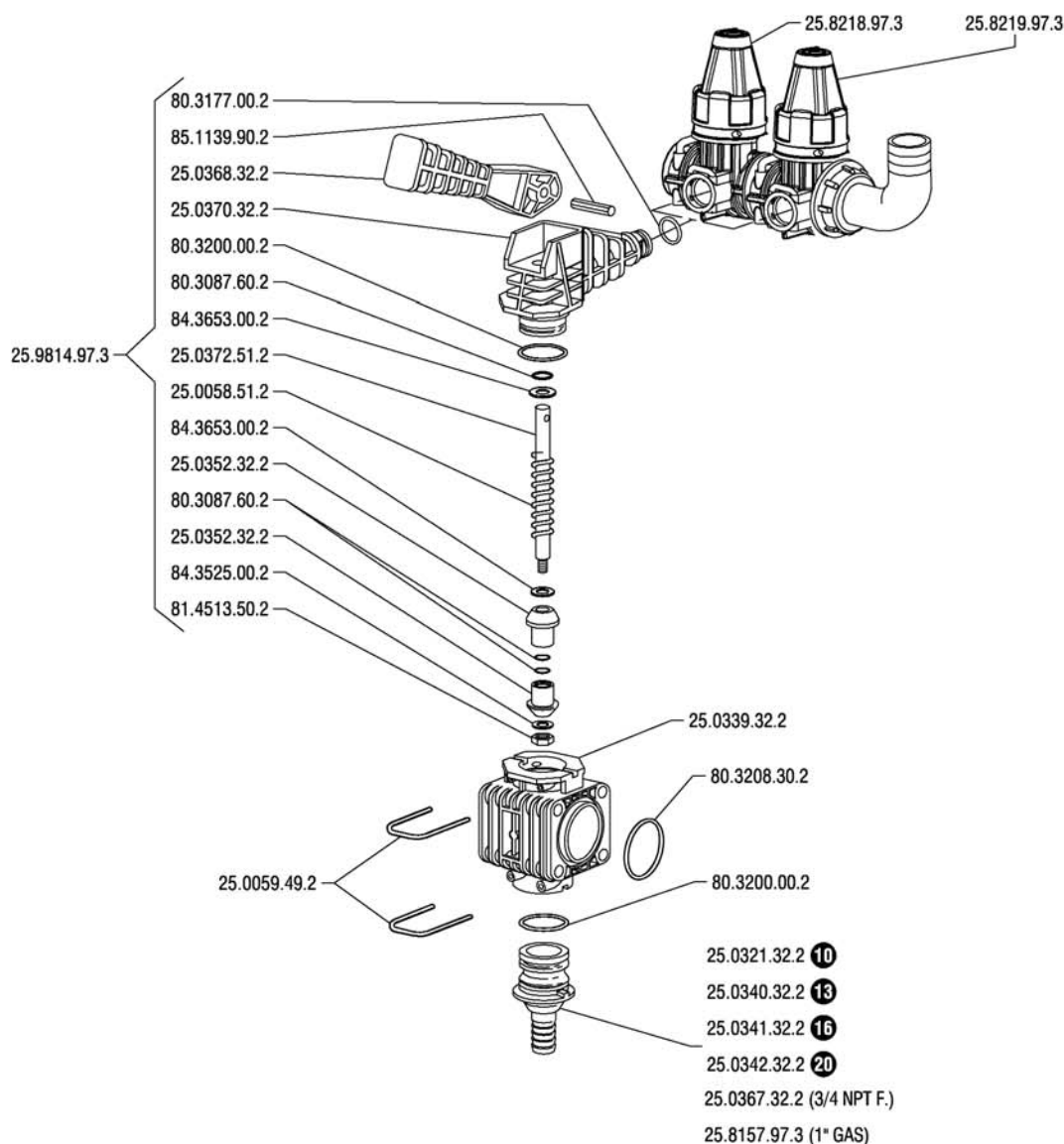
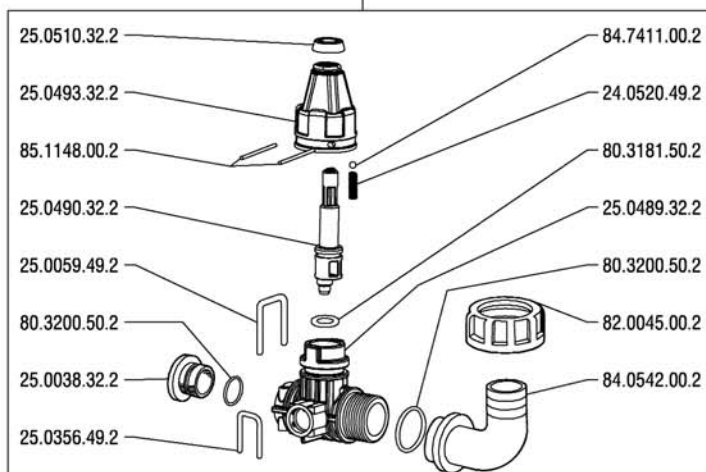
Section: **C**

Table: **C3.1**

Kit by-pass intermedio
25.8218.97.3
Intermediate by-pass kit



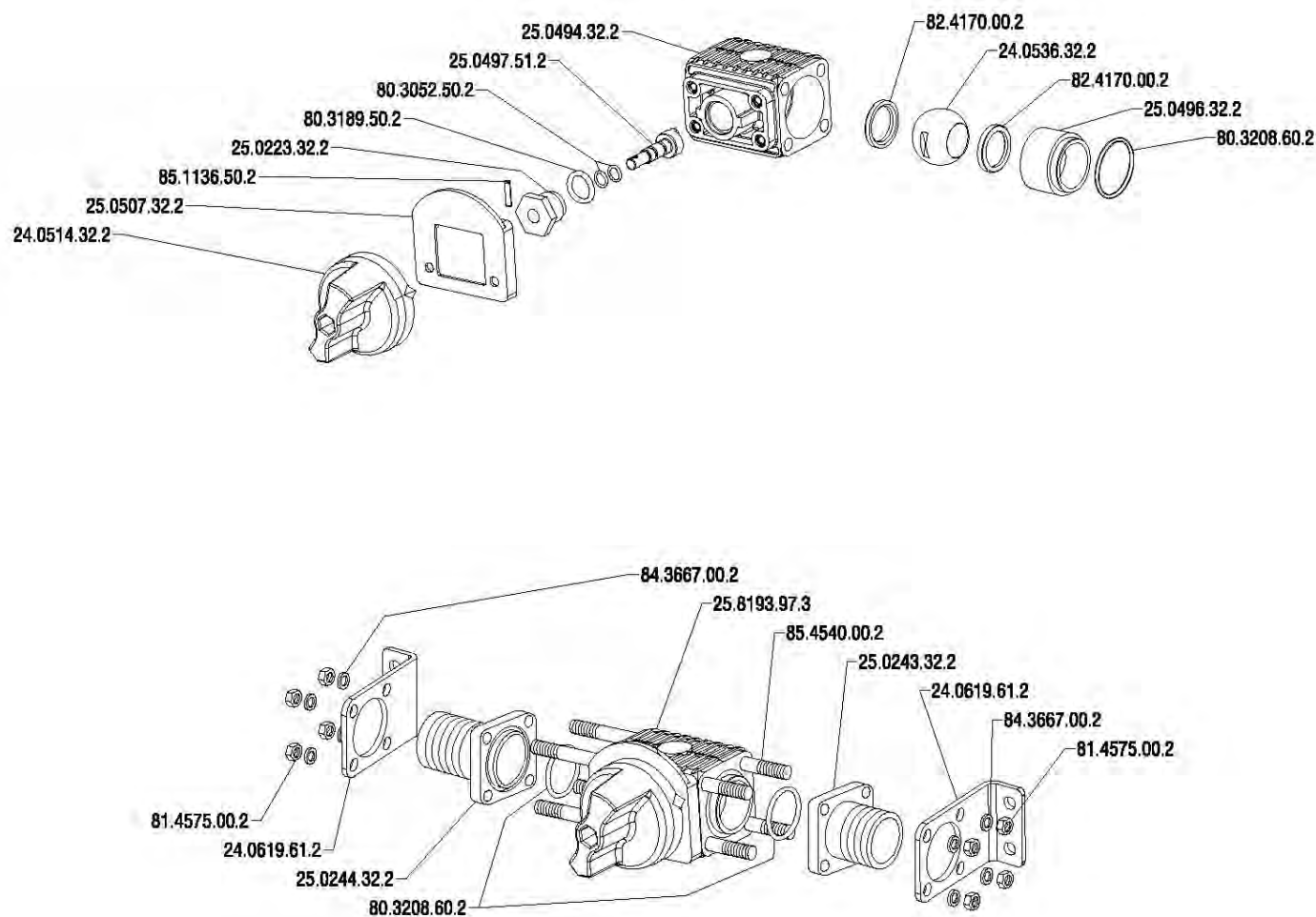
Kit by-pass terminale
25.8219.97.3
Terminal by-pass kit



MANUAL NERGYDROP - TWO WAY MODULES

Section: **C**

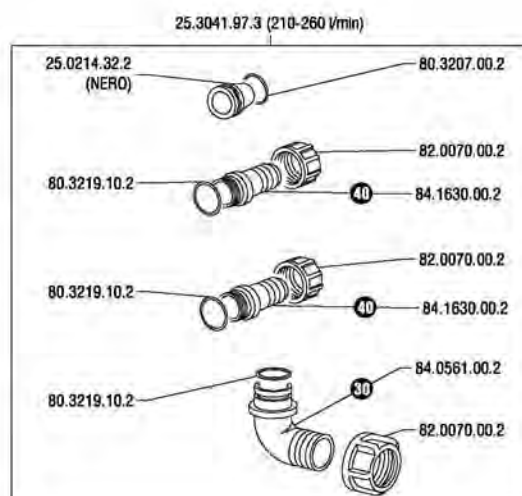
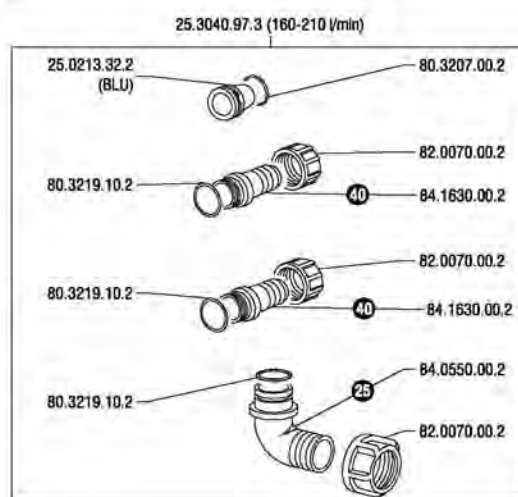
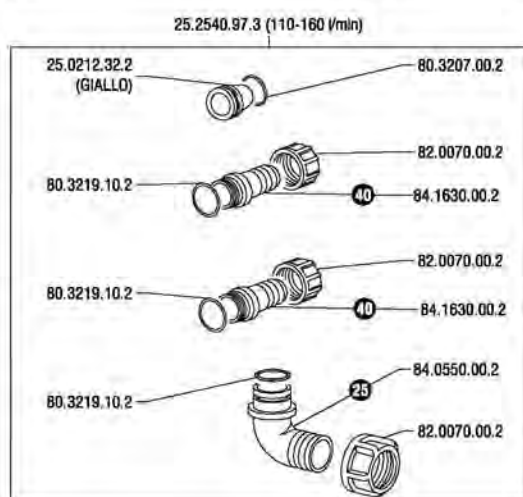
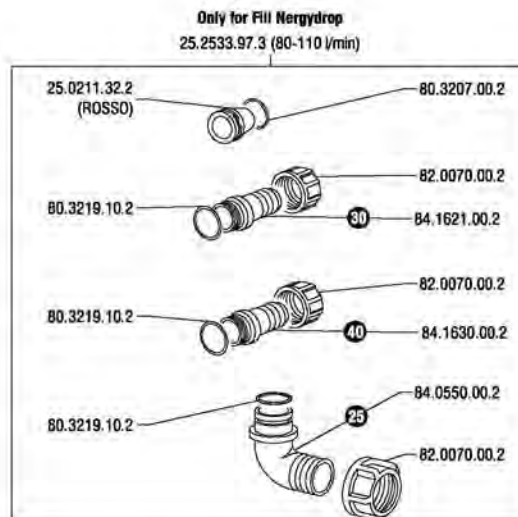
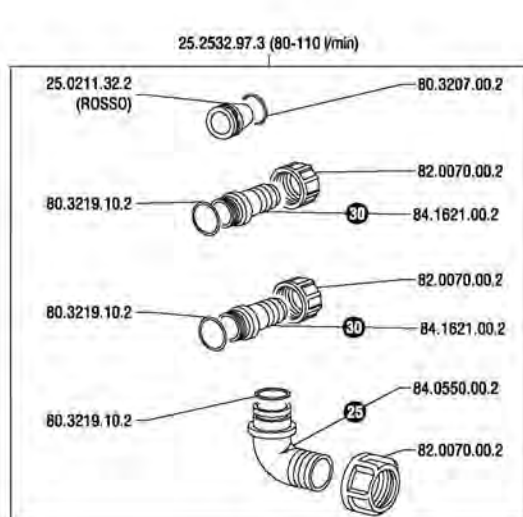
Table: **C4**



MANUAL NERGYDROP - FITTINGS KIT / "VENTURI" NOZZLE

Section: C

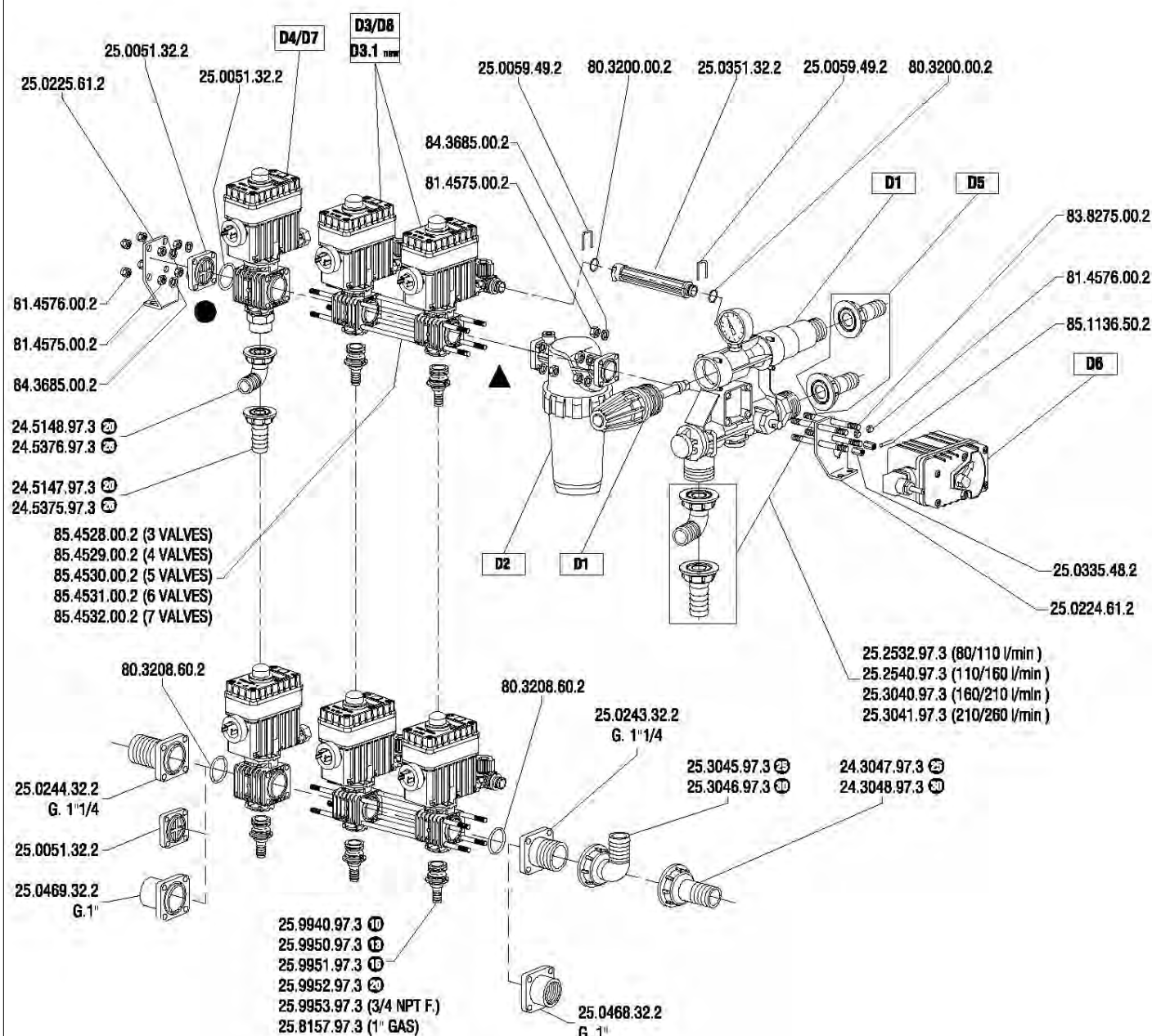
Table: C5



MOTOR POWERED NERGYDROP

Section: **D**

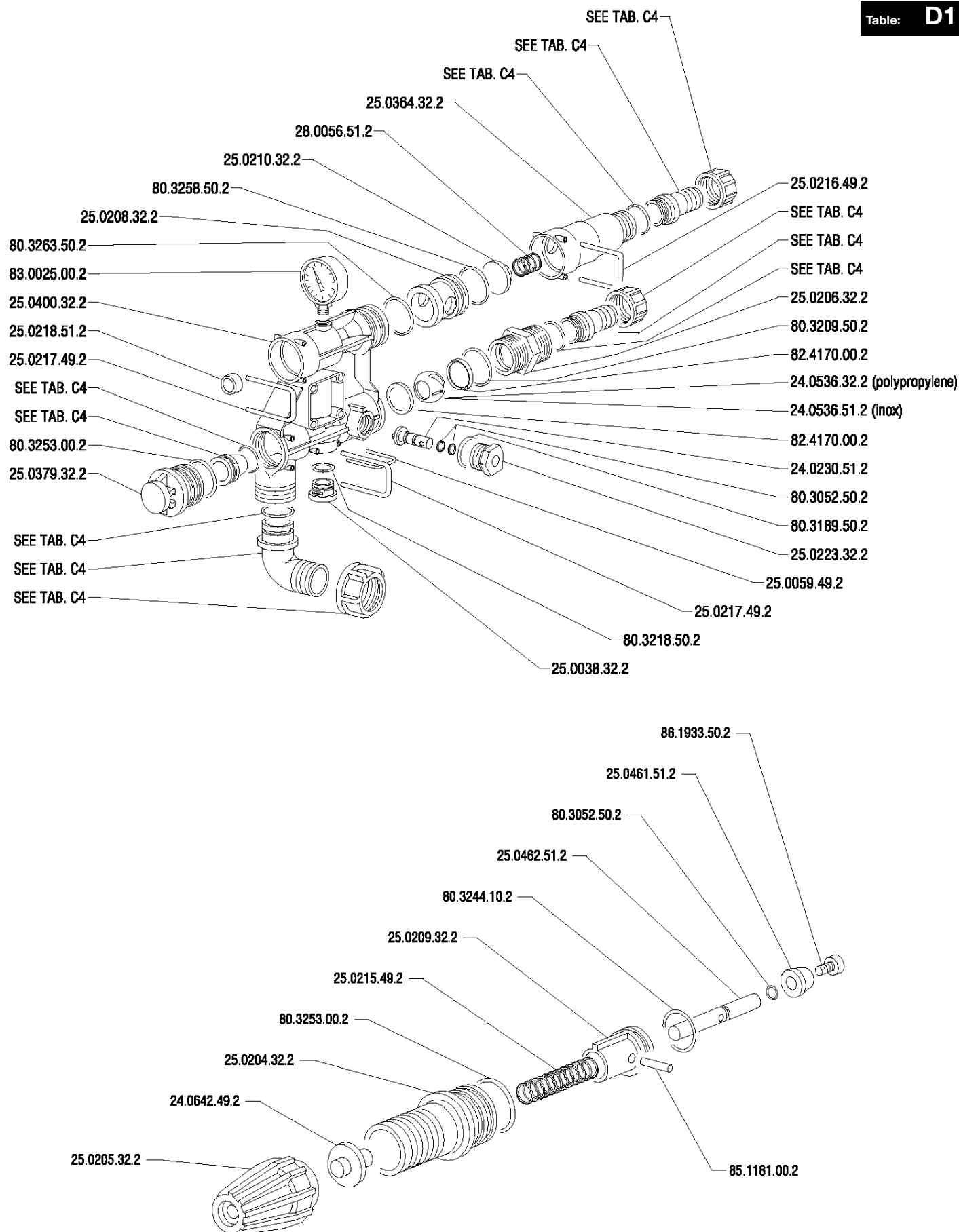
Table: **D0**



MOTOR POWERED NERGYDROP - REGULATING UNIT

Section: **D**

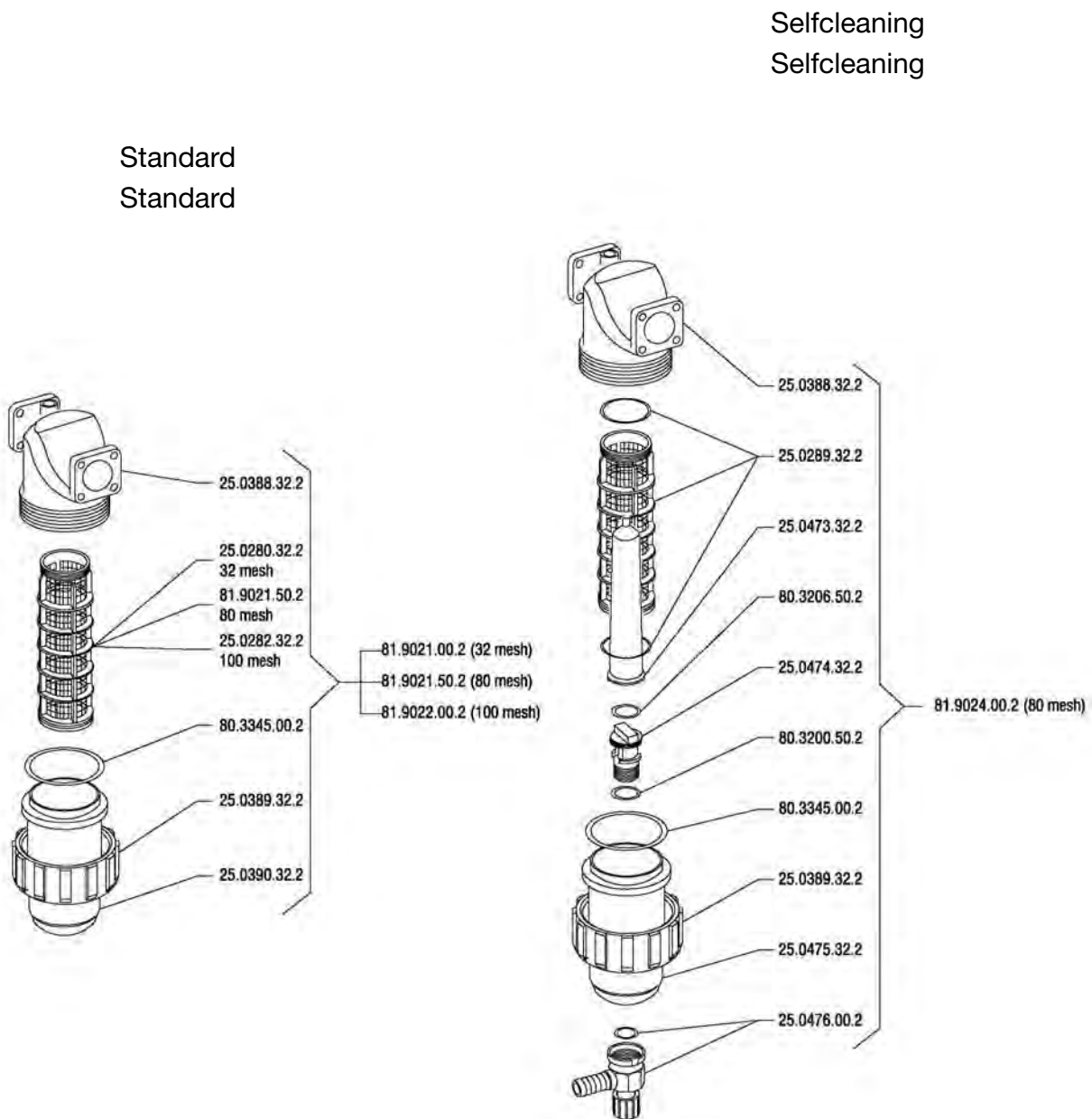
Table: **D1**



MOTOR POWERED NERGYDROP - LINE FILTERS

Section: D

Table: D2

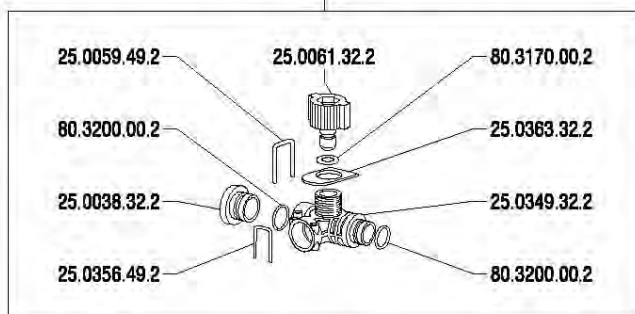


MOTOR POWERED NERGYDROP - REGULATING UNIT

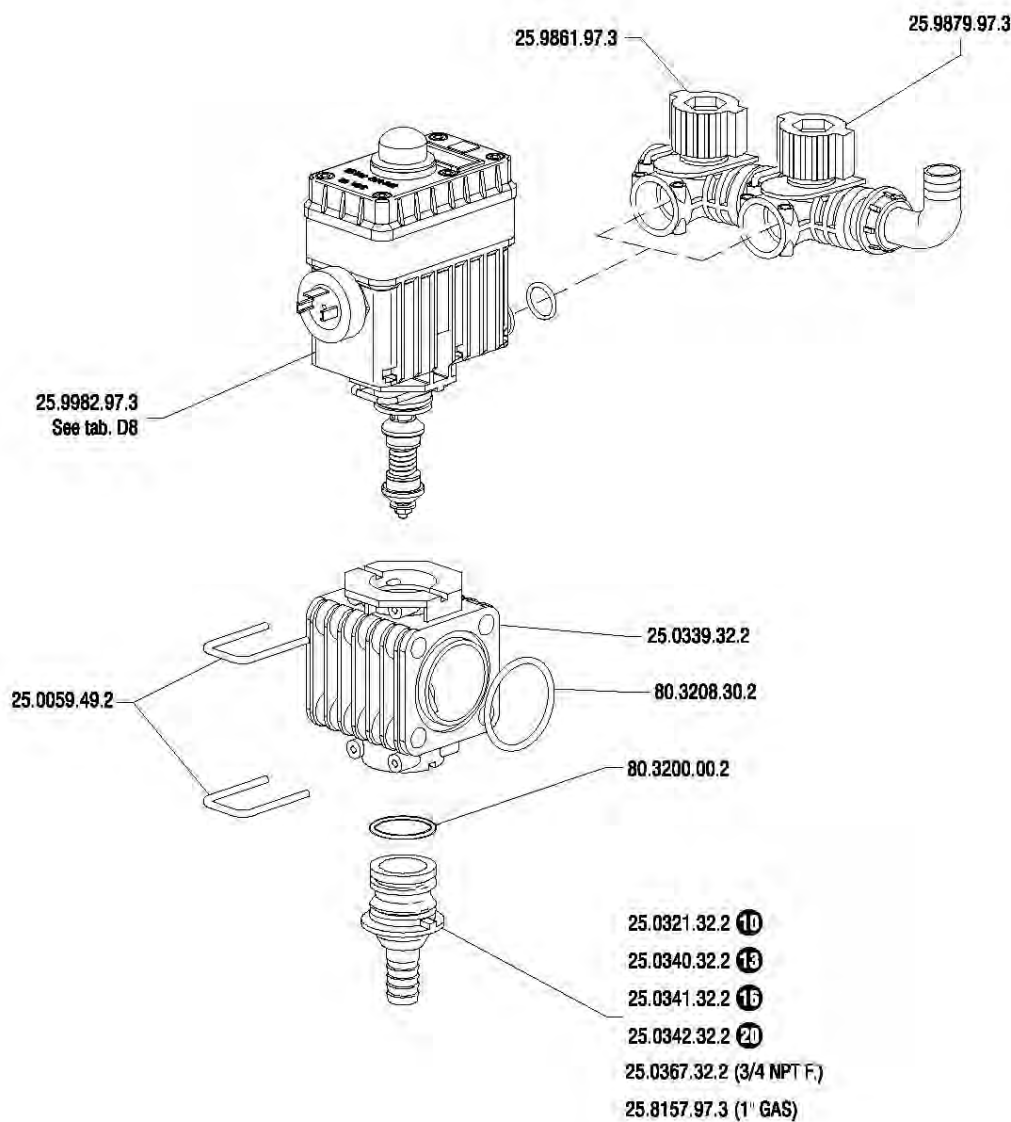
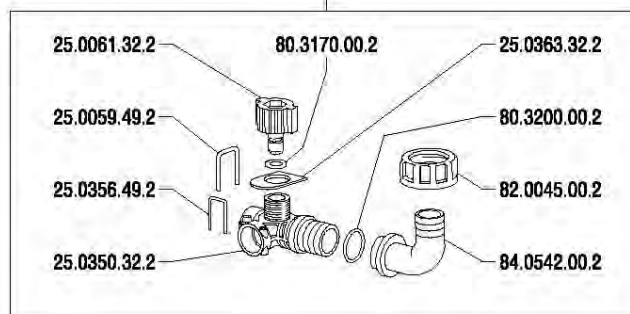
Section: **D**

Table: **D3**

Kit by-pass intermedio
25.9861.97.3
Intermediate by-pass kit



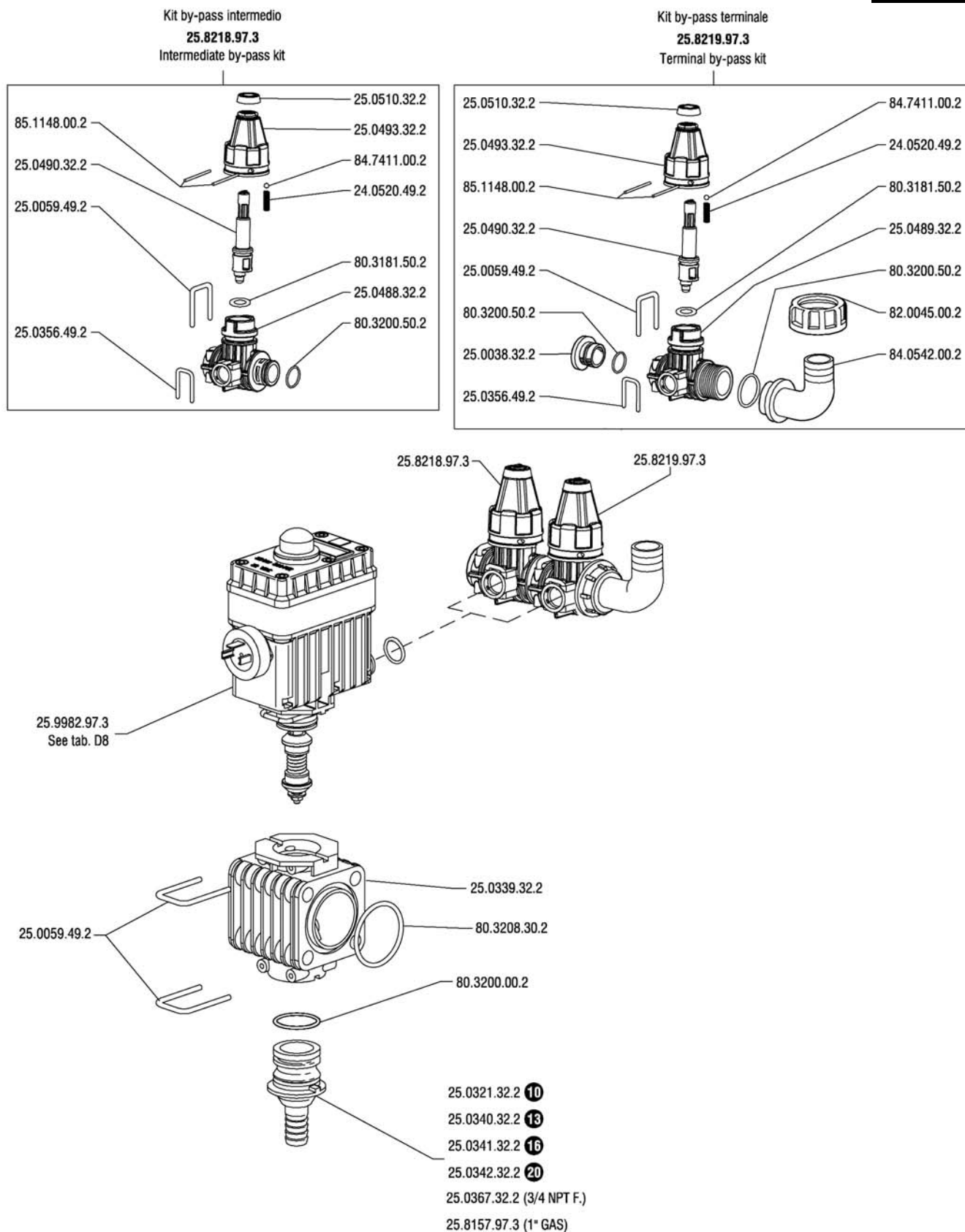
Kit by-pass terminale
25.9879.97.3
Terminal by-pass kit



MOTOR POWERED NERGYDROP - NEW RD VALVE

Section: **D**

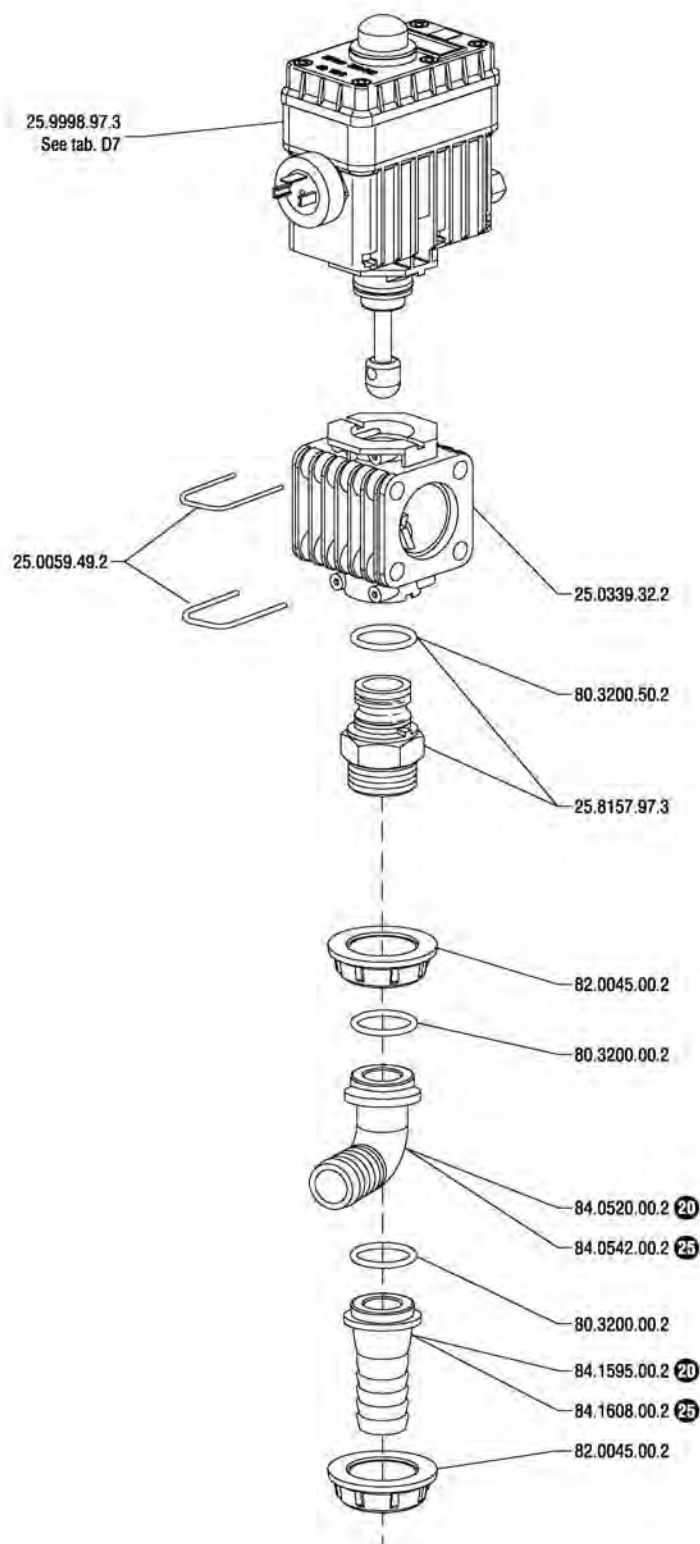
Table: **D3.1**



MOTOR POWERED NERGYDROP - VOLUMETRIC VALVE

Section: **D**

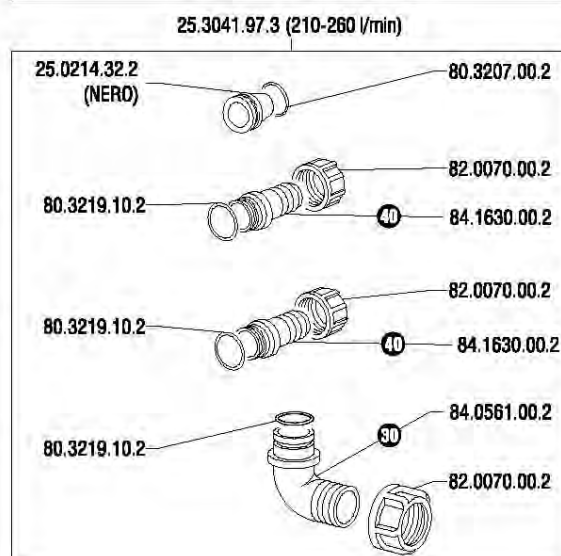
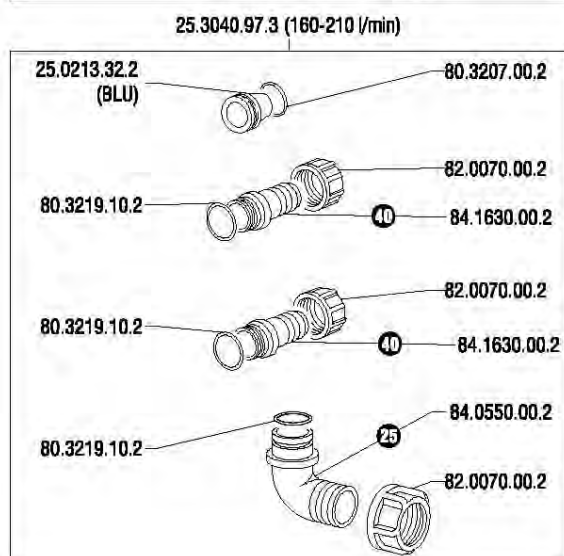
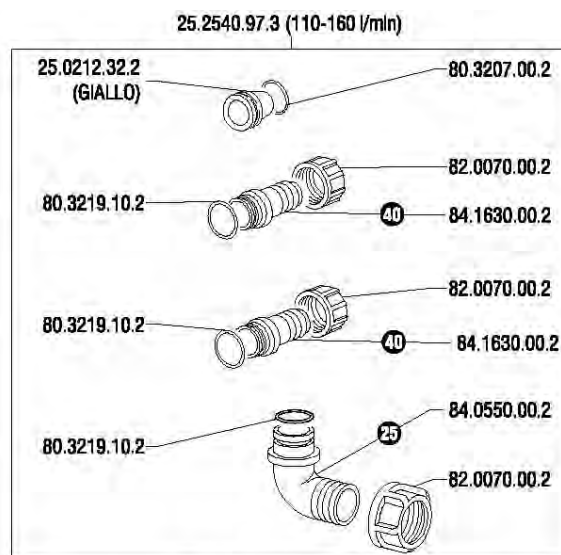
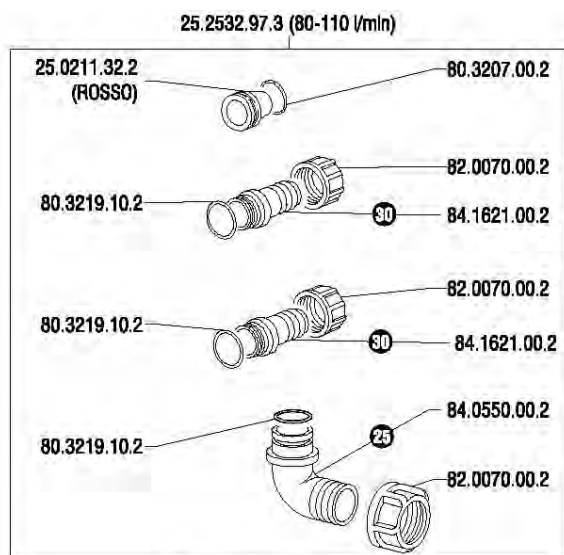
Table: **D4**



**MOTOR POWERED NERGYDROP -
FITTINGS KIT / "VENTURI" NOZZLE**

Section: **D**

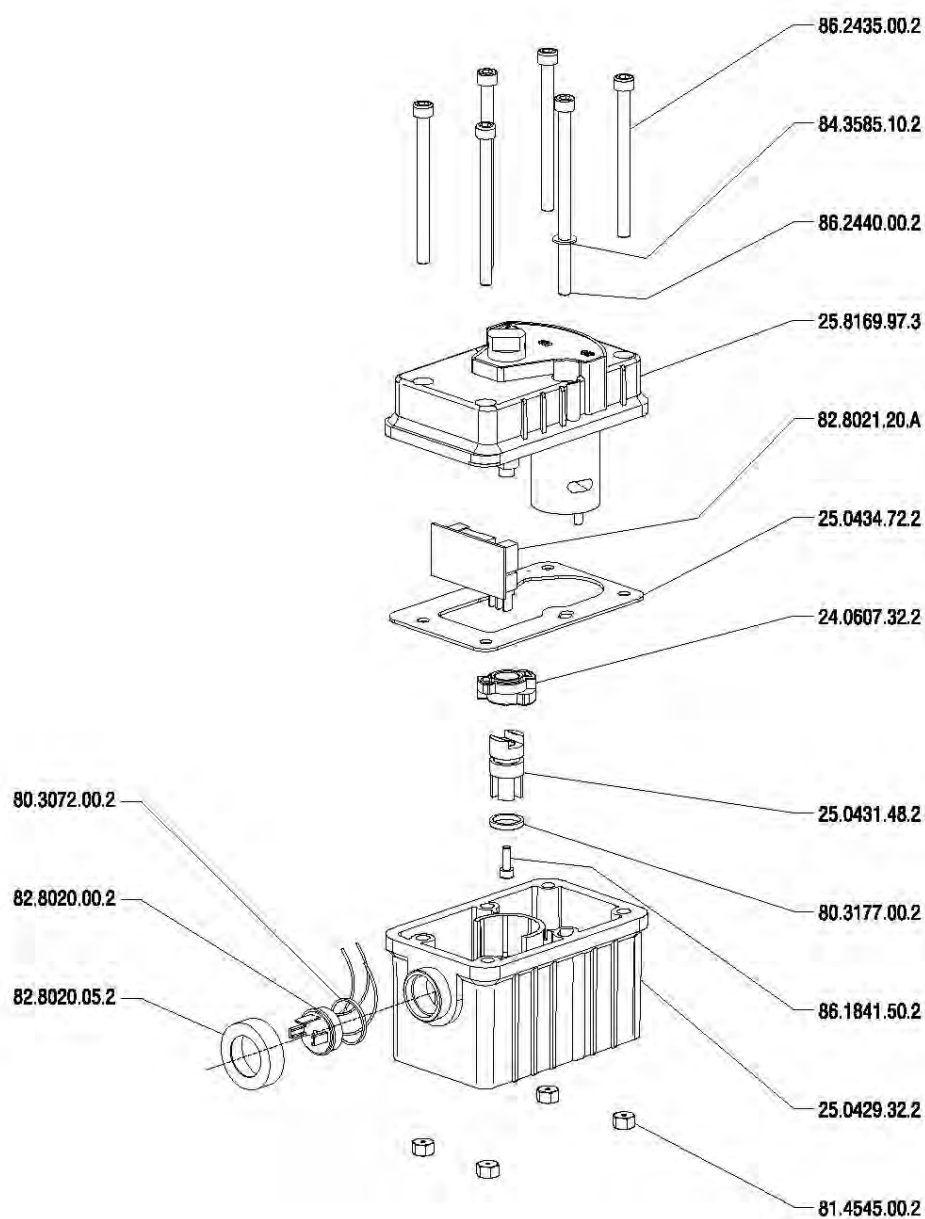
Table: **D5**



MOTOR POWERED NERGYDROP - VG (BLACK)

Section: **D**

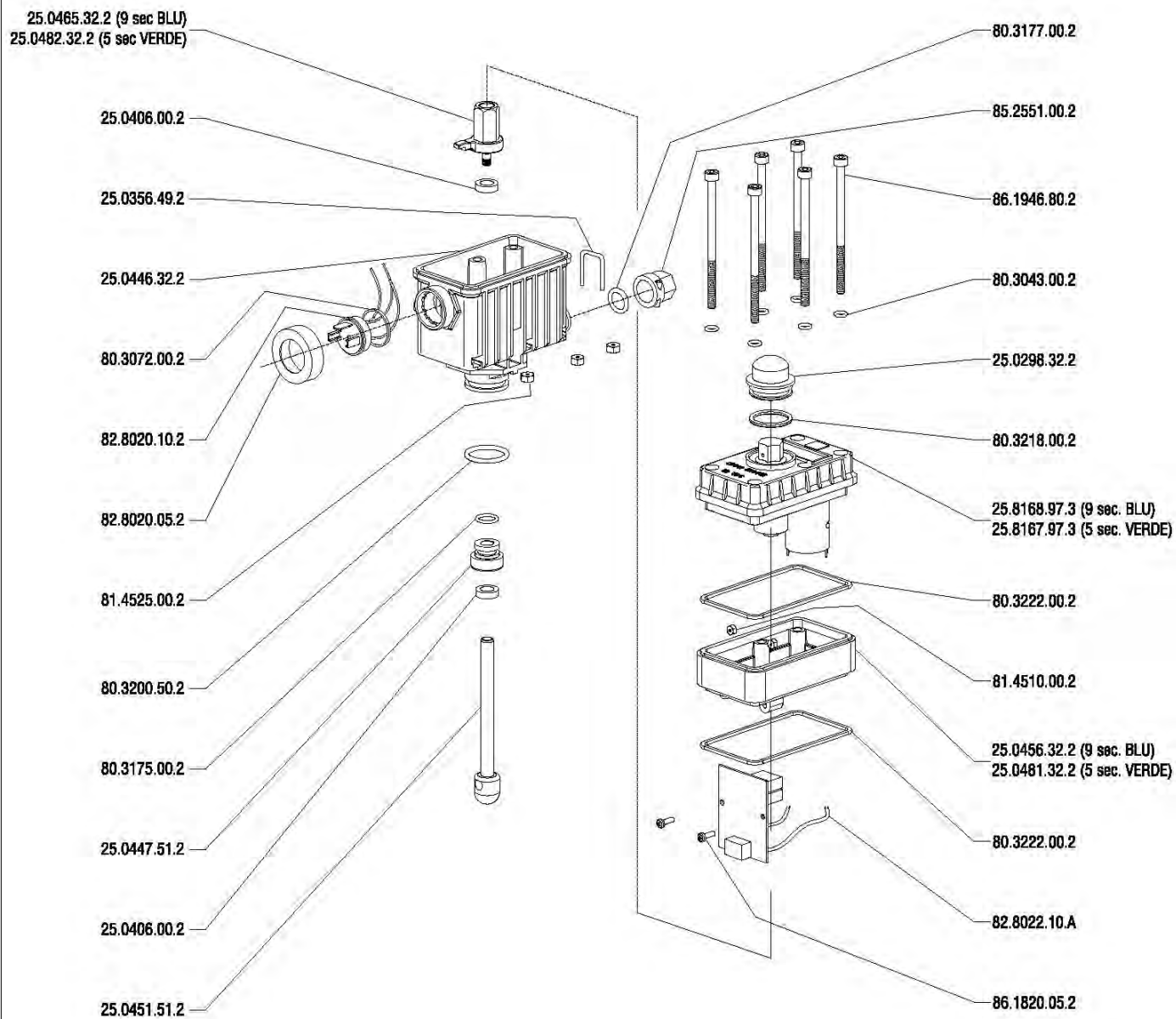
Table: **D6**



MOTOR POWERED NERGYDROP - VV (GREEN)

Section: **D**

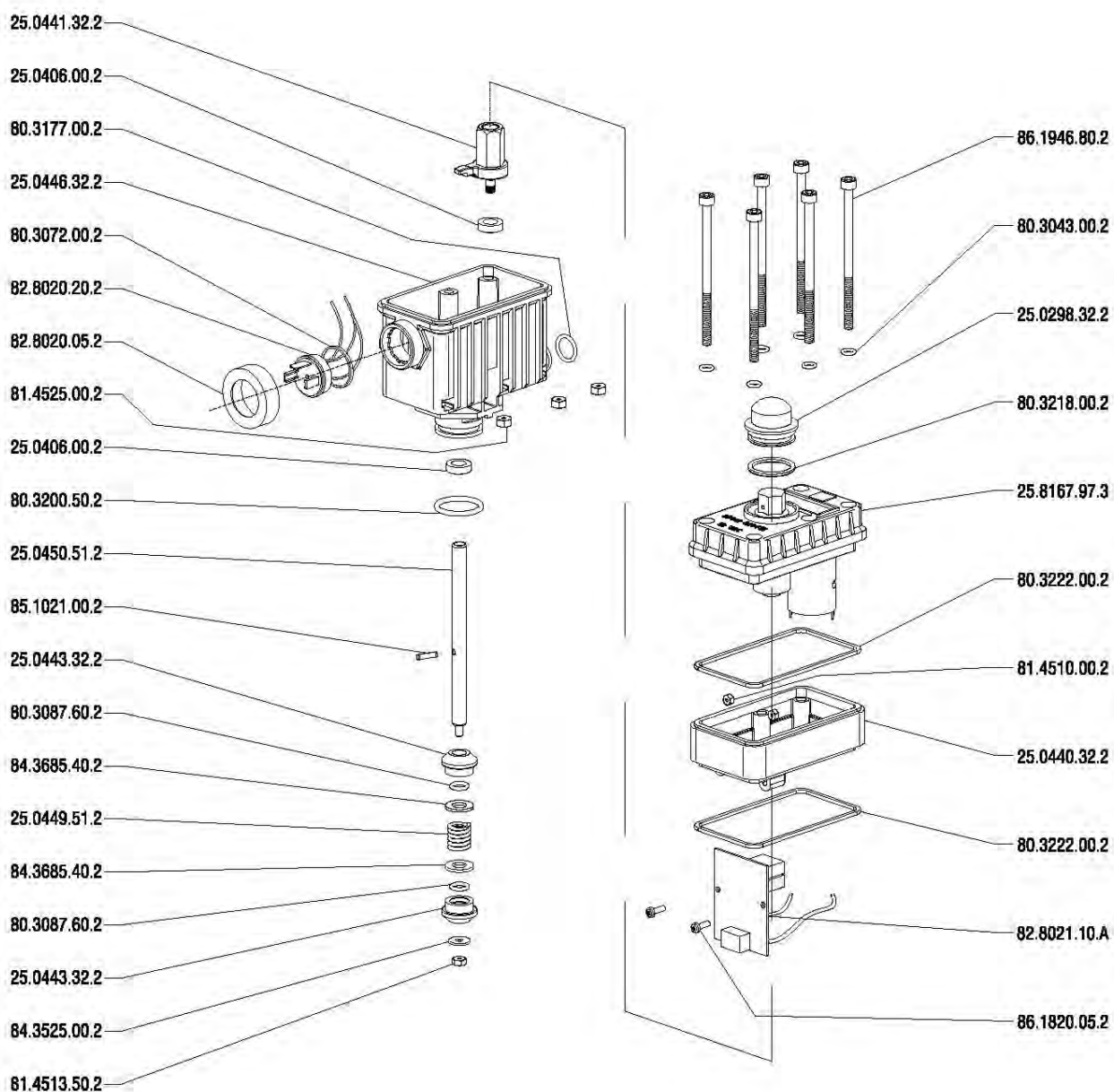
Table: **D7**



MOTOR POWERED NERGYDROP - VS (YELLOW)

Section: **D**

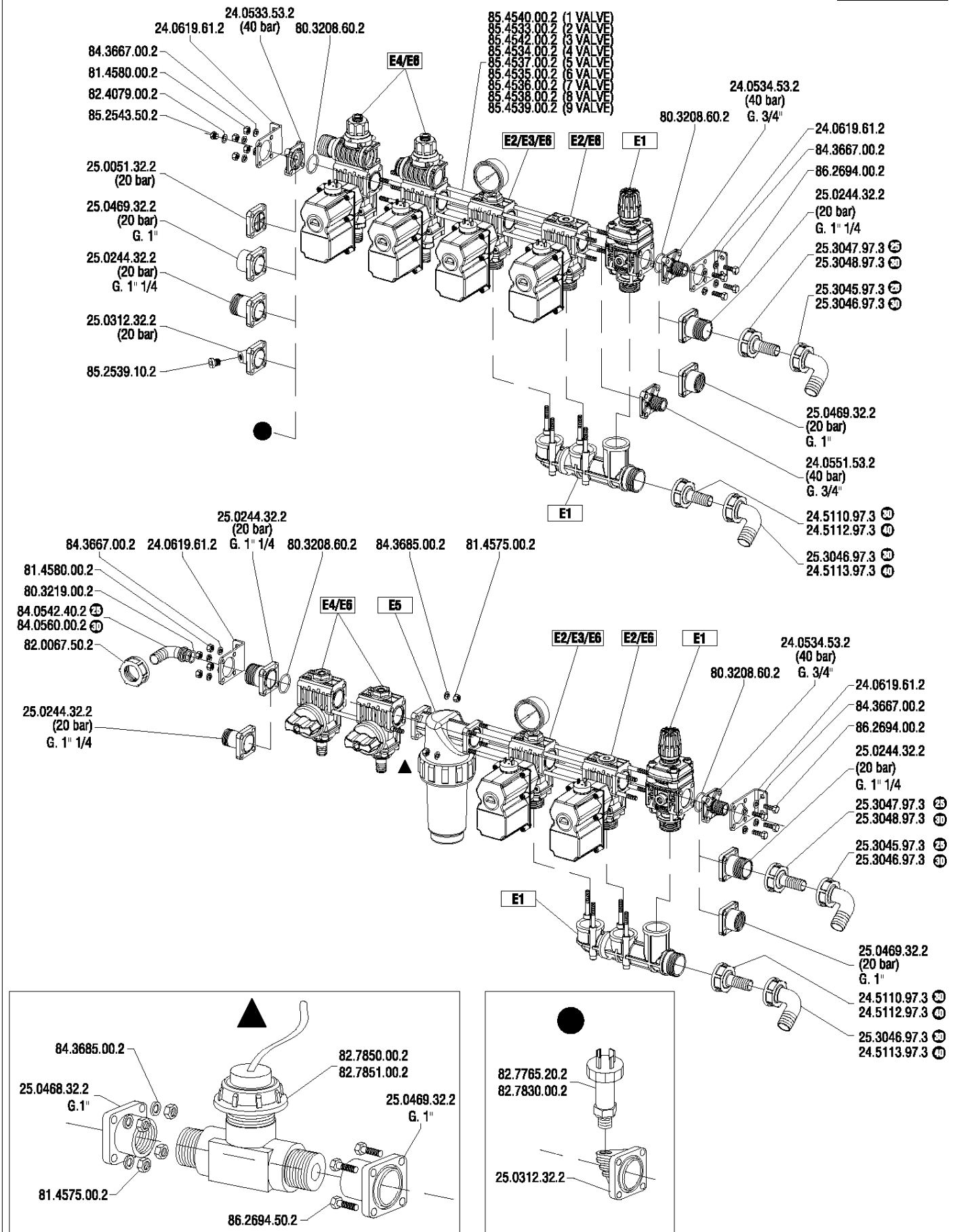
Table: **D8**



VIKING

Section: E

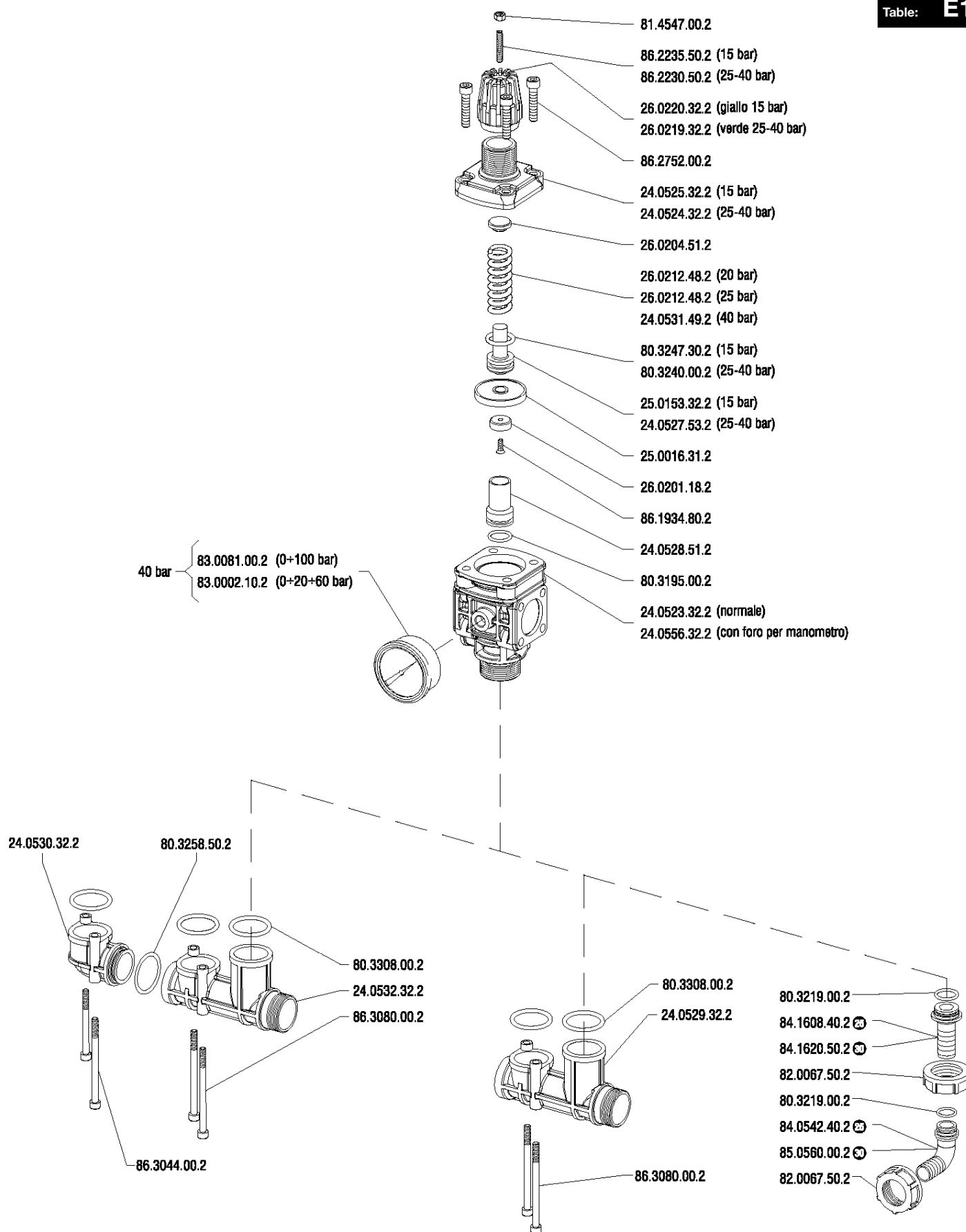
Table: E0



VIKING - REGULATING UNIT VS

Section: E

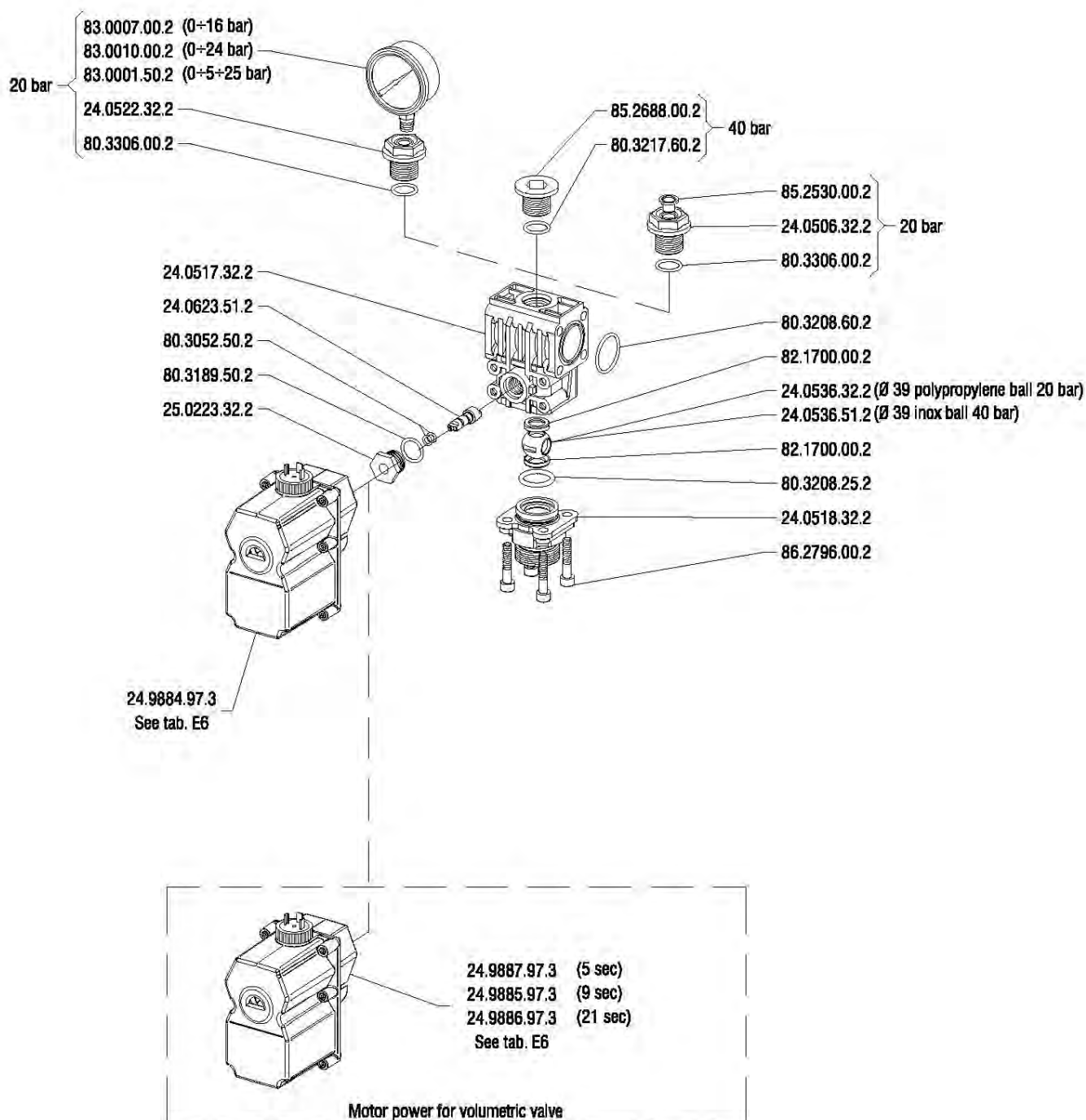
Table: E1



VIKING - VOLUMETRIC / MAIN VALVE VV-VG

Section: **E**

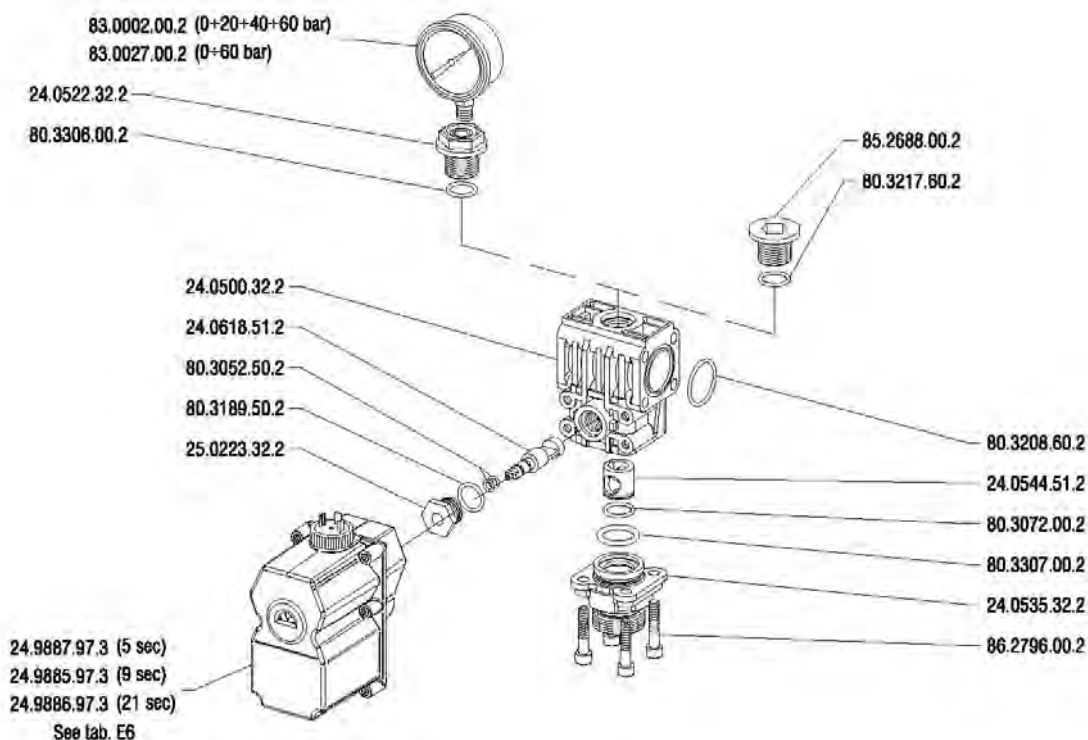
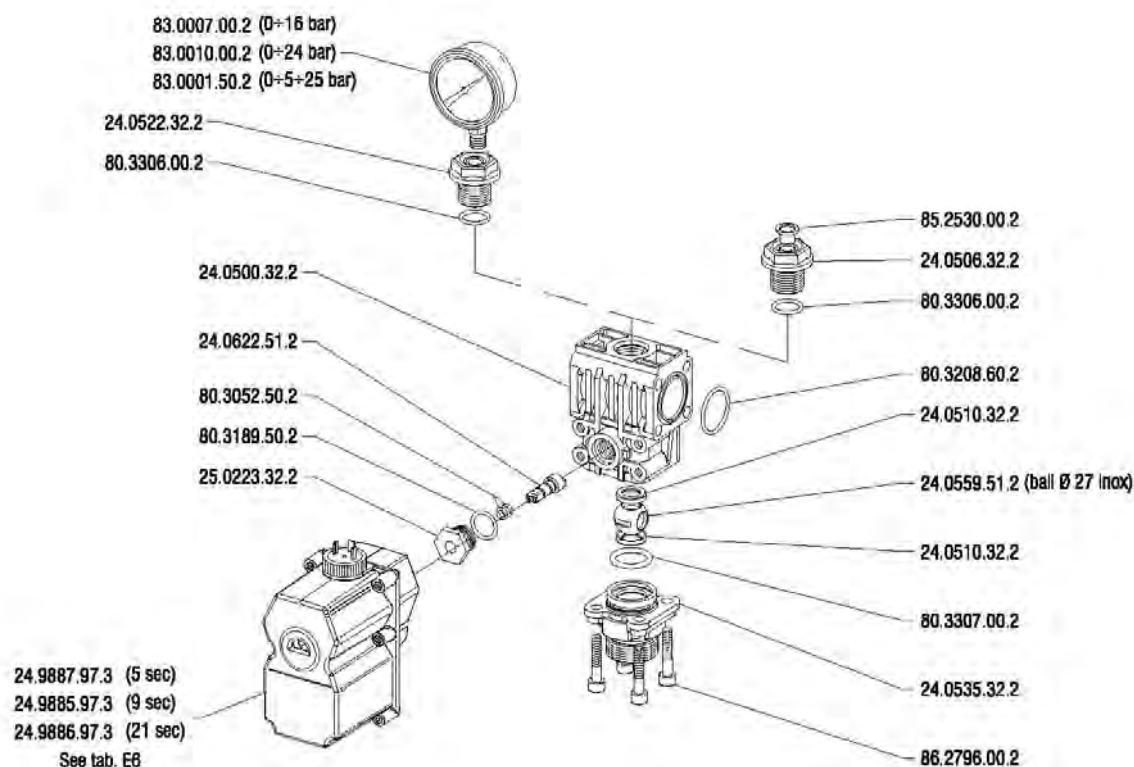
Table: **E2**



VIKING - VOLUMETRIC VALVE VV

Section: **E**

Table: **E3**



VIKING - SECTION VALVE VS

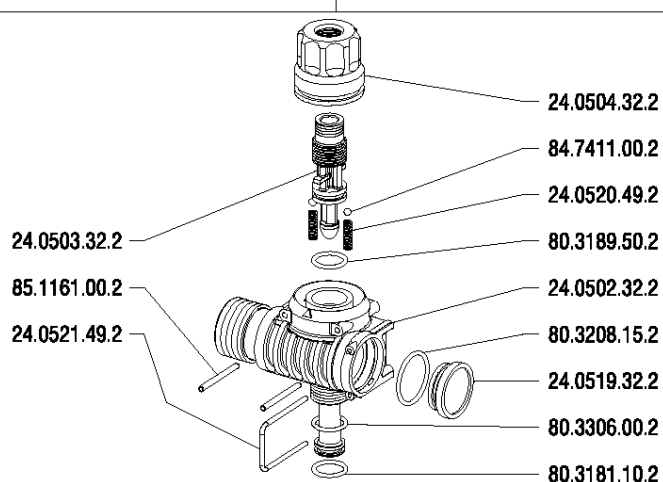
Section: **E**

Table: **E4**

Kit by-pass terminale

24.5175.97.3

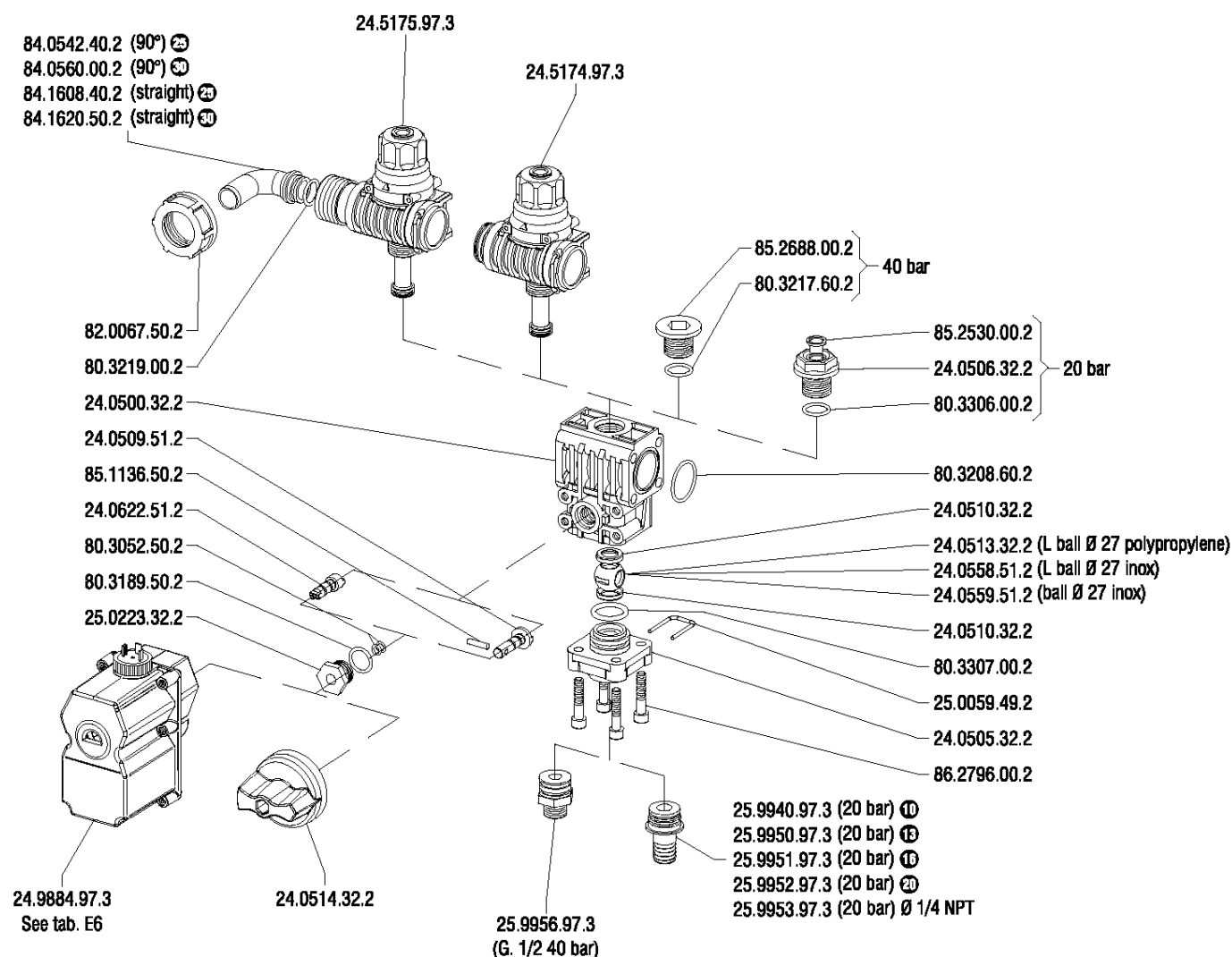
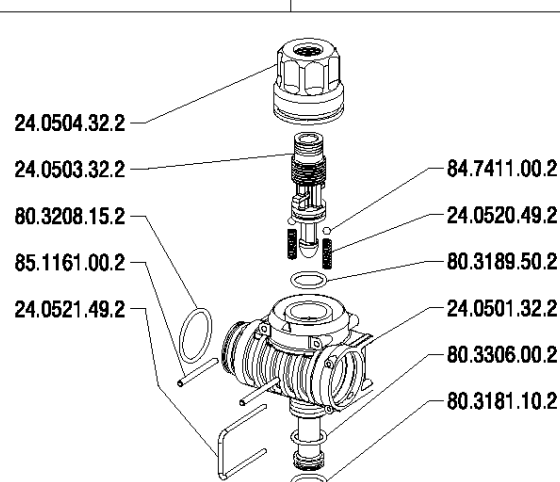
Terminal by-pass kit



Kit by-pass intermedio

24.5174.97.3

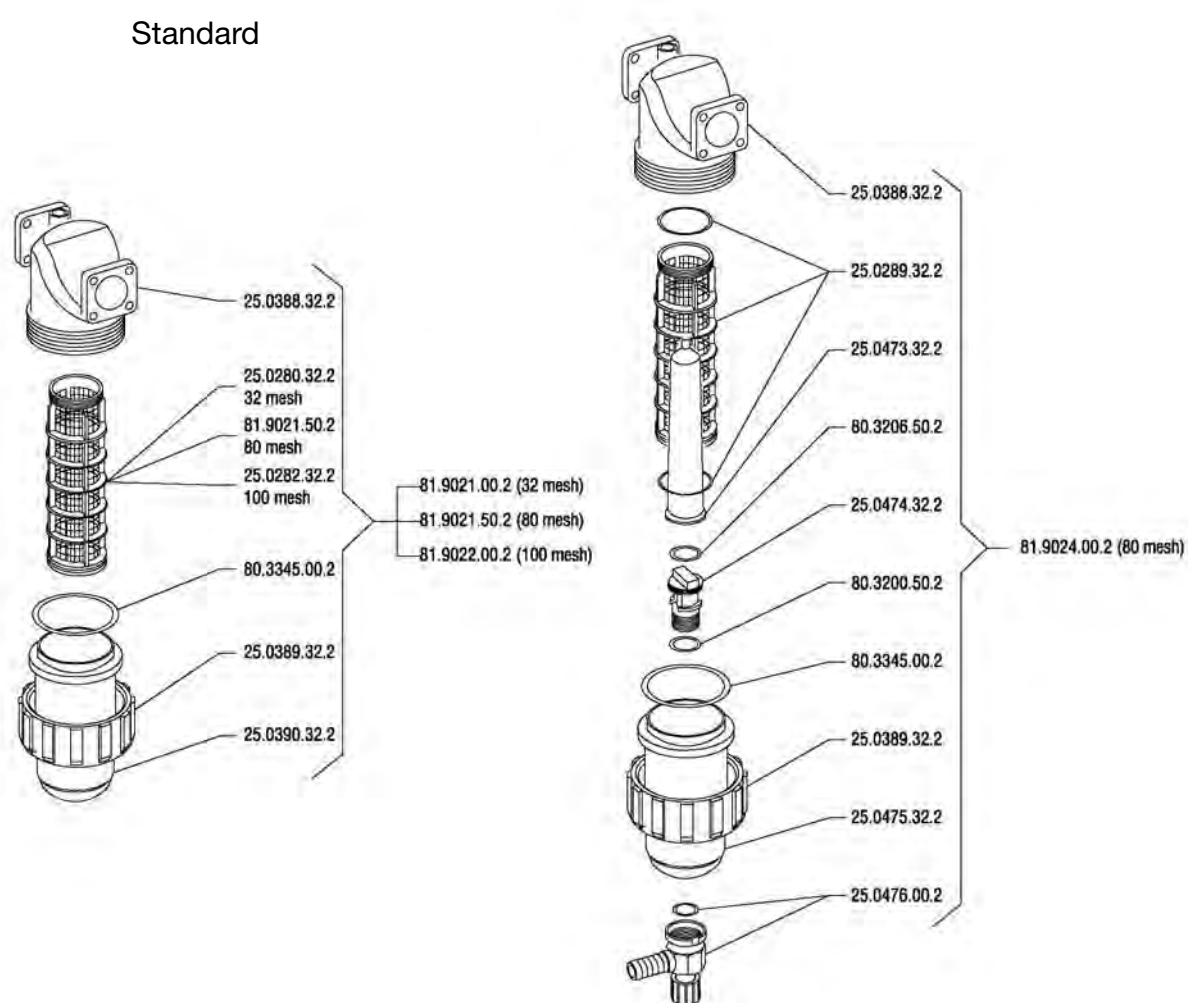
Intermediate by-pass kit



VIKING - LINE FILTERS

Section: **E**

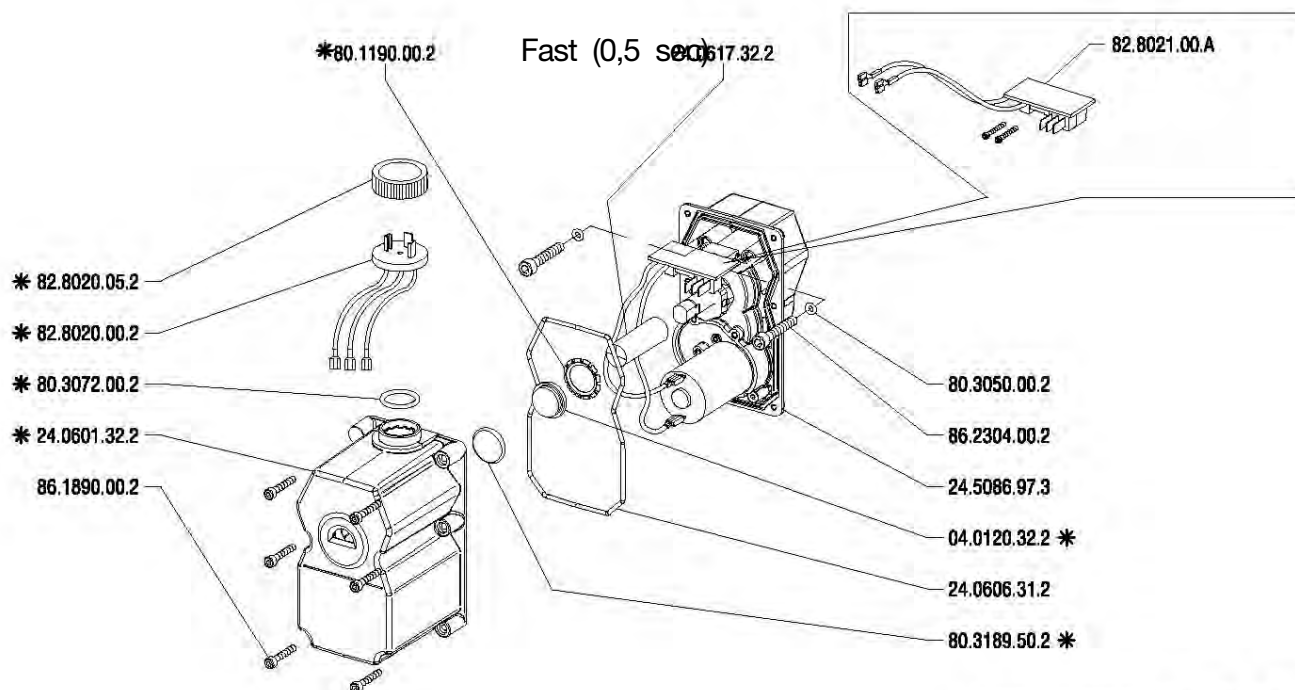
Table: **E5**



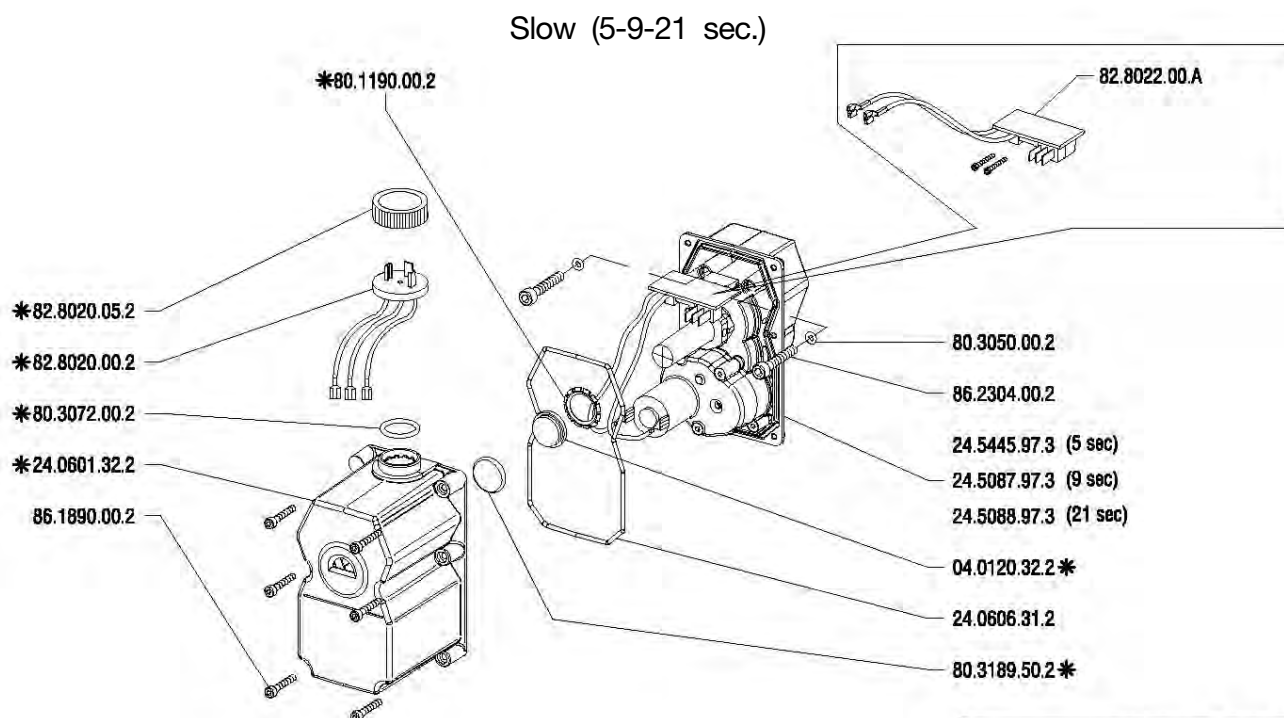
VIKING - MOTOR POWERED VALVE

Section: E

Table: E6



* = 24.5173.97.3 Kit coperchio completo
Kit complete cover

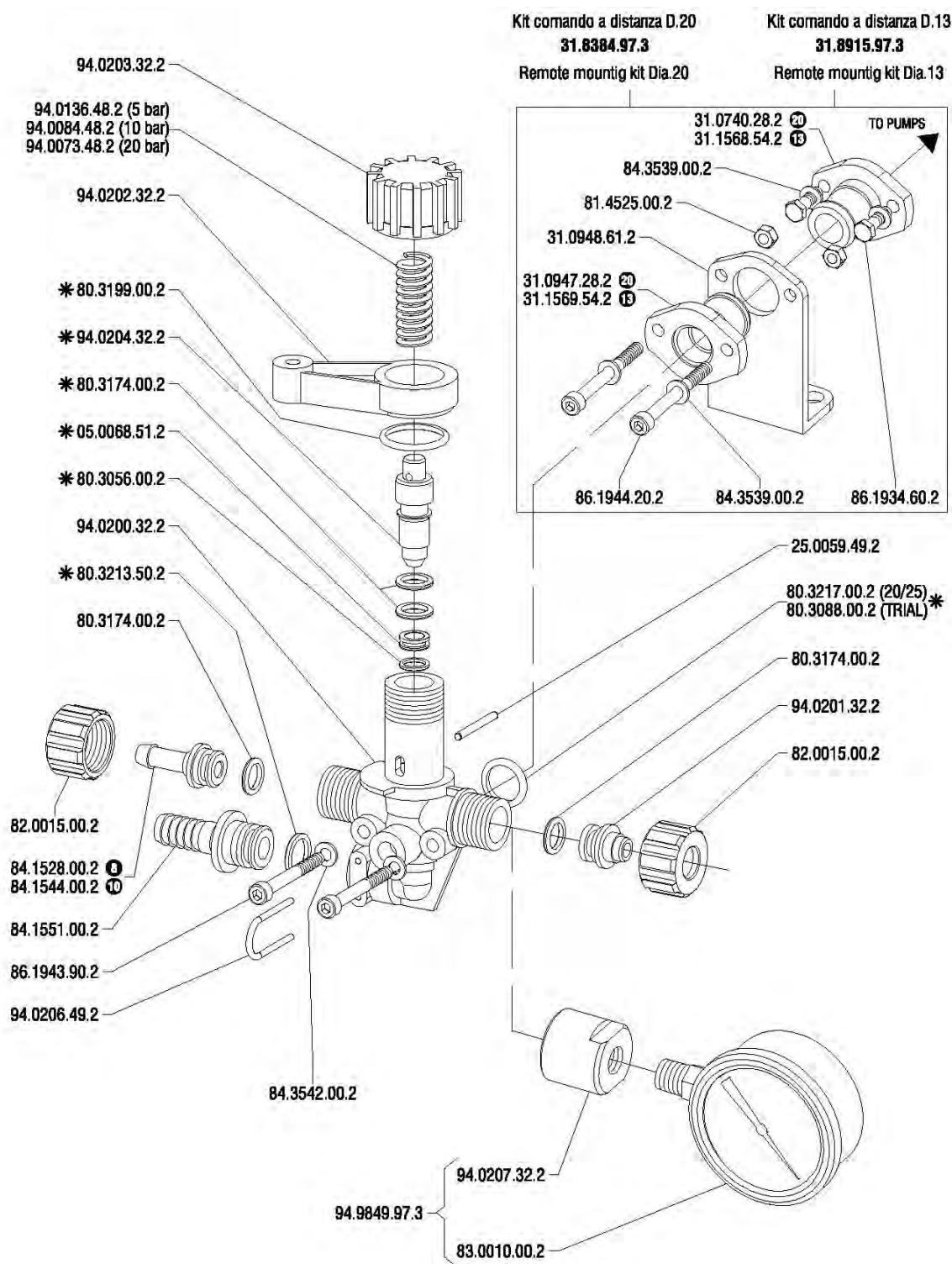


* = 24.5173.97.3 Kit coperchio completo
Kit complete cover

NPR 5 - 10 - 20 - NPR TRIAL

Section: **R**

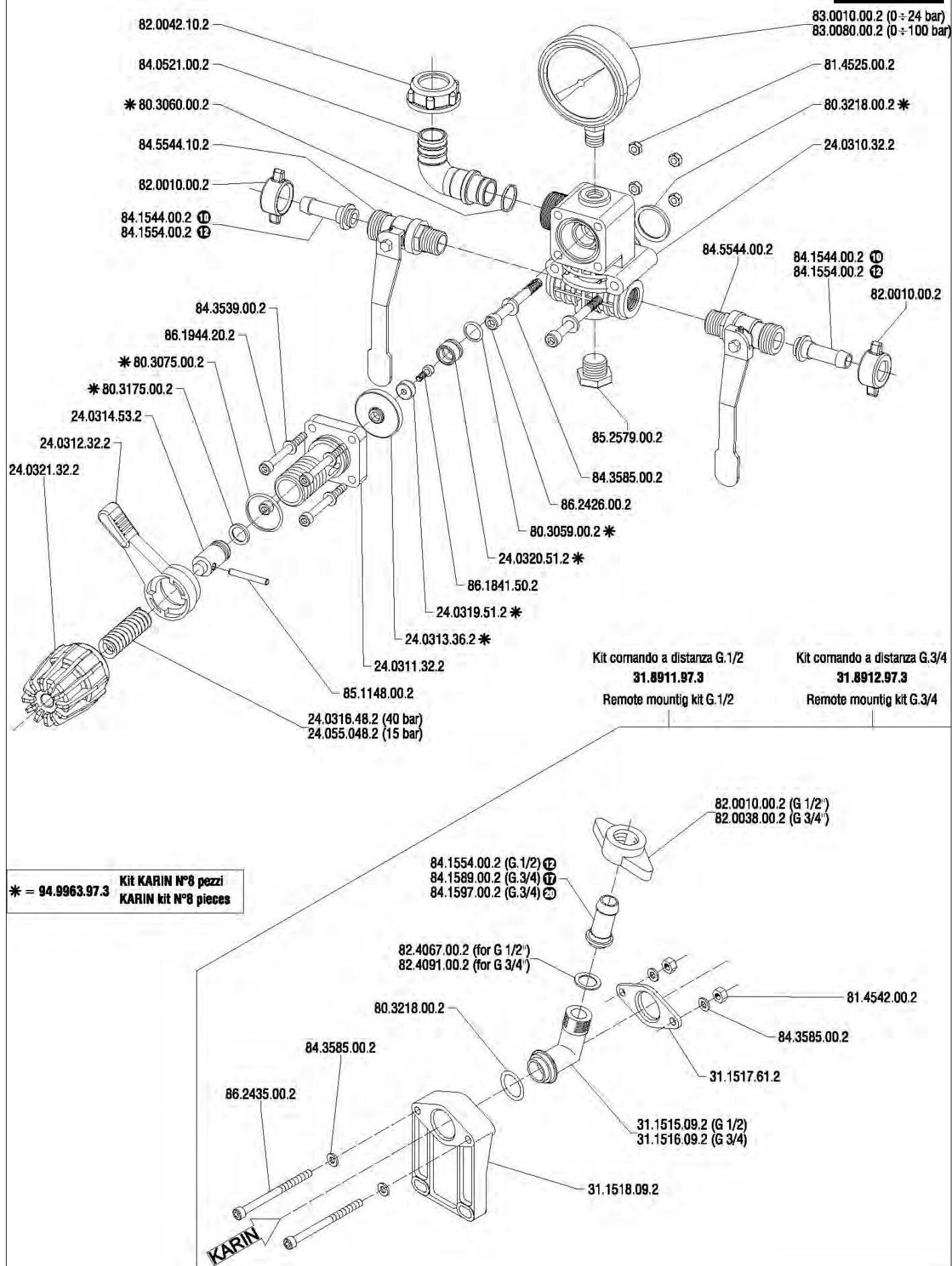
Table: **R1**



KARIN

Section: **R**

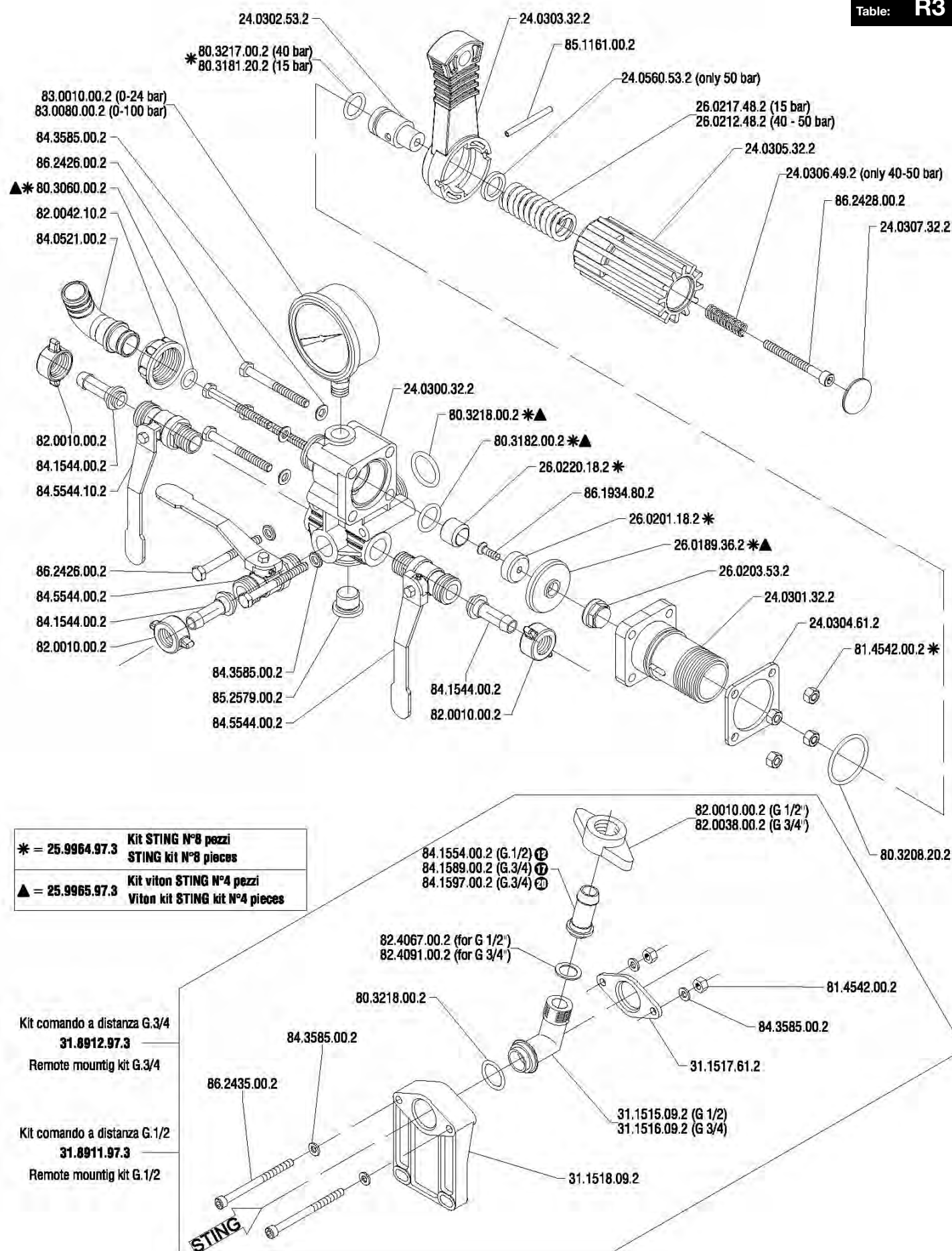
Table: **R2**



STING

Section: R

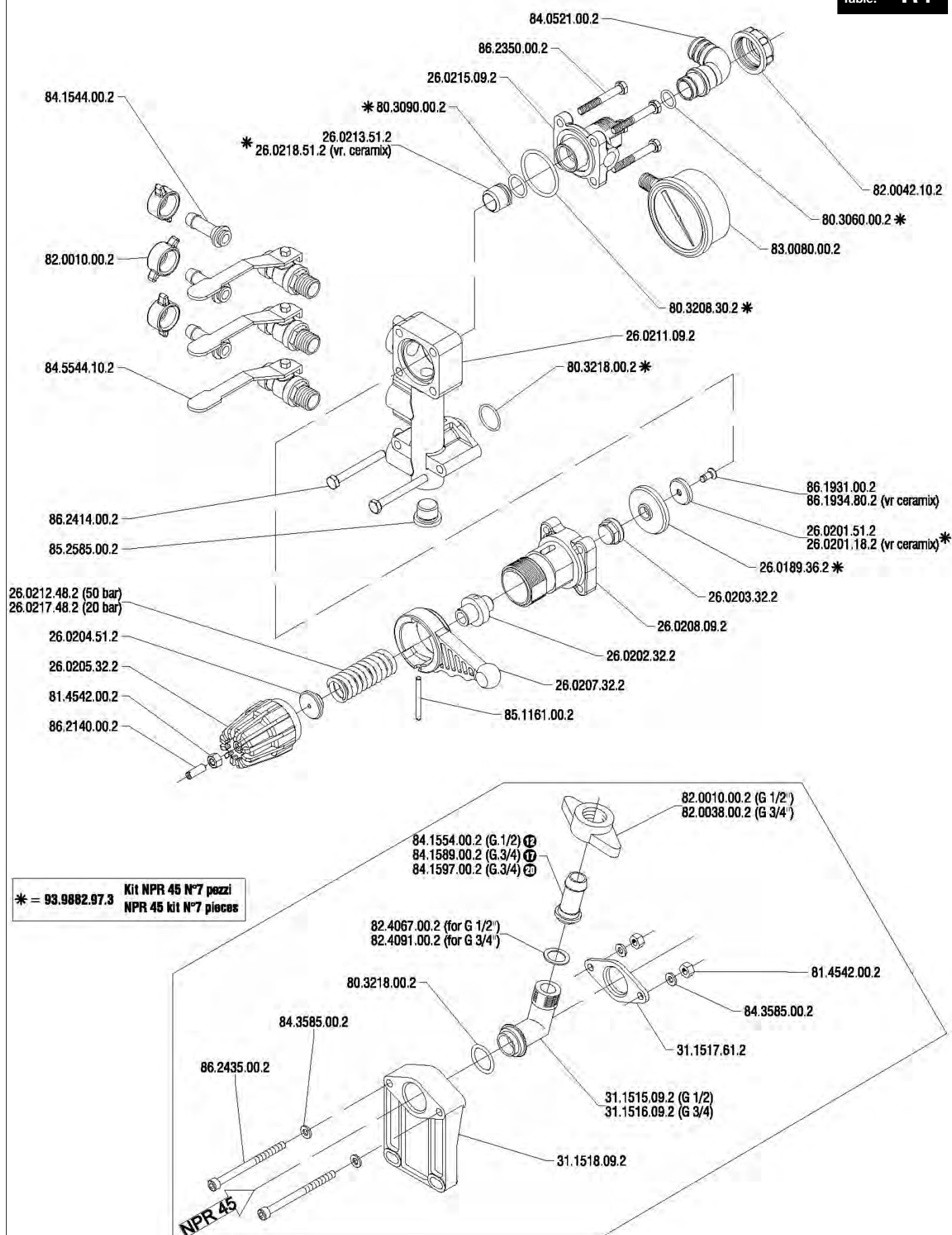
Table: R3



NPR 45

Section: **R**

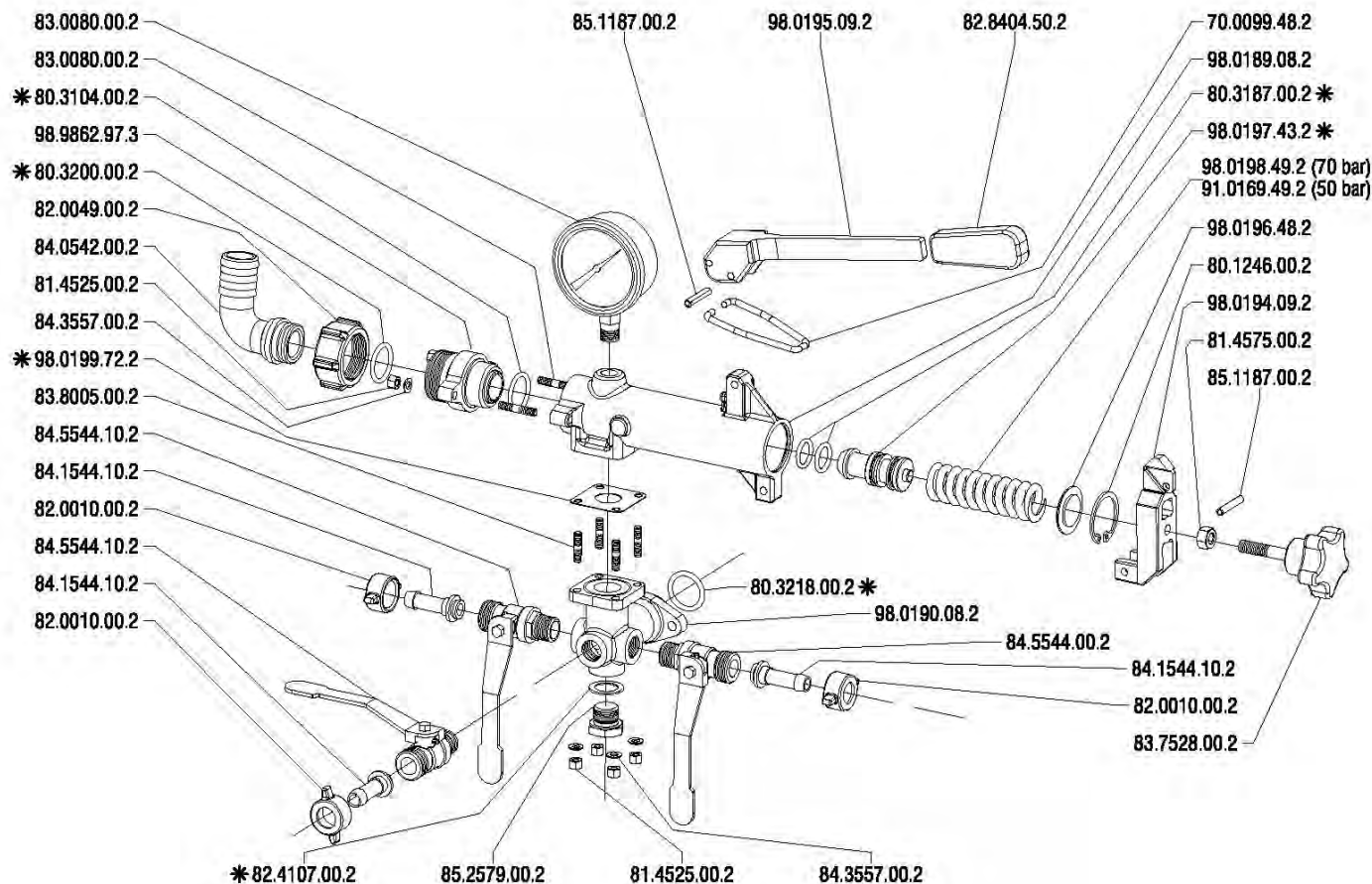
Table: **R4**



VRP 85

Section: R

Table: R5



Kit comando a distanza G.1/2

31.8911.97.3

Remote mountig kit G.1/2

Kit comando a distanza G.3/4

31.8912.97.3

Remote mountig kit G.3/4

84.1554.00.2 (G.1/2) 19
84.1589.00.2 (G.3/4) 17
84.1597.00.2 (G.3/4) 20

82.0010.00.2 (G 1/2")
82.0038.00.2 (G 3/4")

82.4067.00.2 (for G 1/2")
82.4091.00.2 (for G 3/4")

80.3218.00.2

81.4542.00.2

84.3585.00.2

31.1517.61.2

31.1515.09.2 (G 1/2)
31.1516.09.2 (G 3/4)

31.1518.09.2

86.2435.00.2

84.3585.00.2

* = 98.9882.97.3

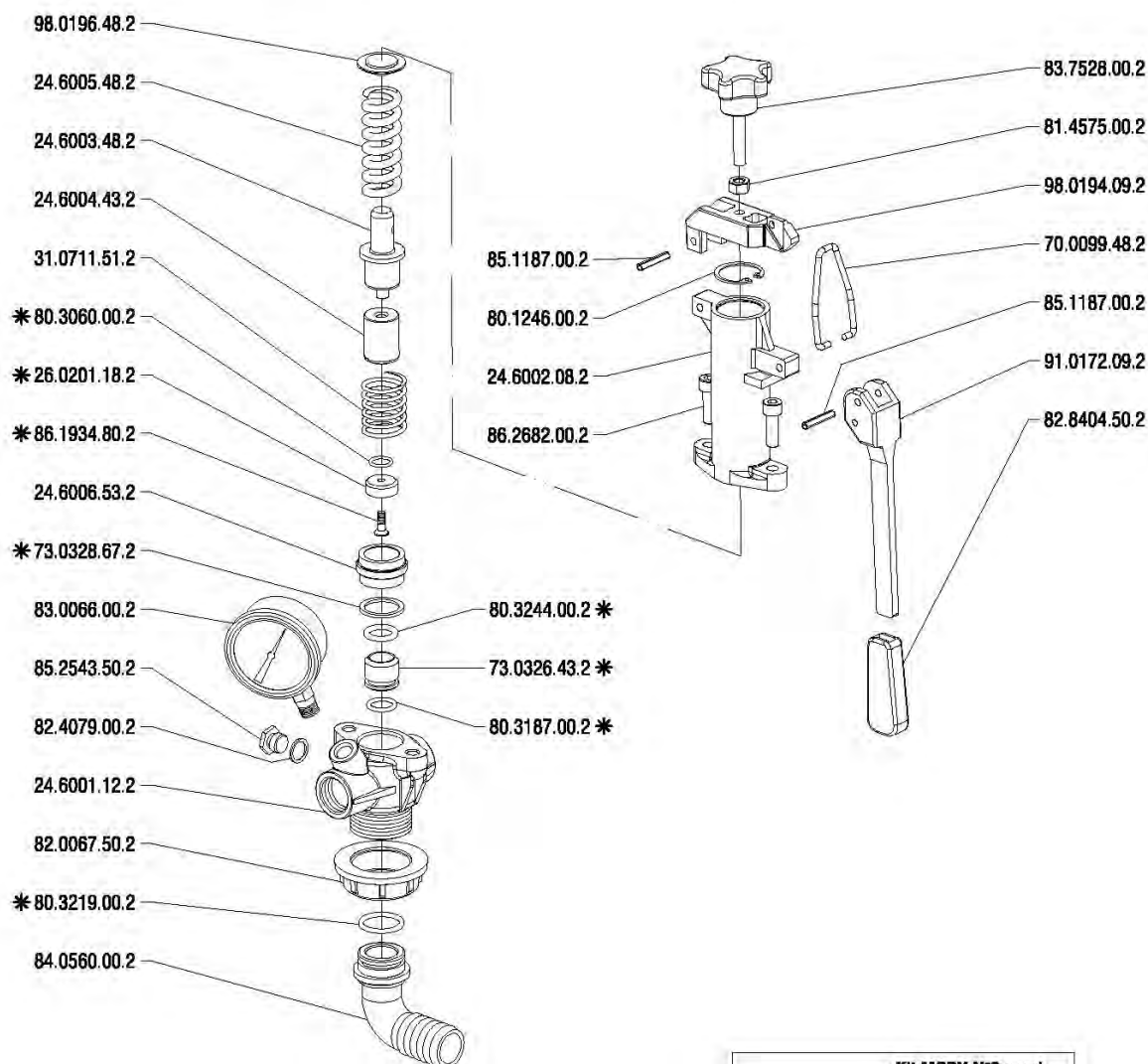
Kit VRP 85 N°8 pezzi
VRP 85 kit N°8 pieces

VRP 85

MOBY

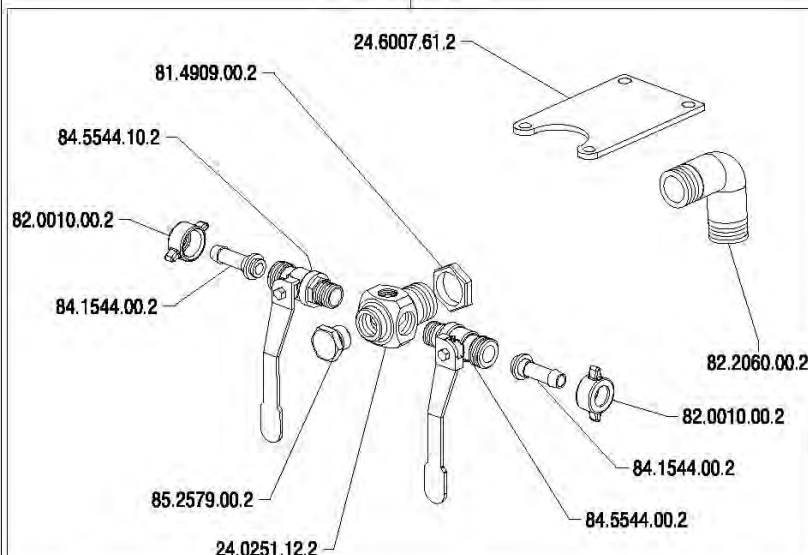
Section: **R**

Table: **R6**

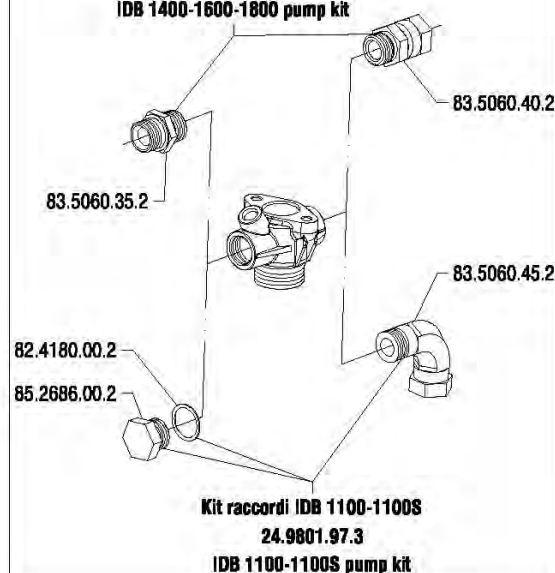


* = 24.9803.97.3 Kit MOBY N°8 pezzi
MOBY 85 kit N°8 pieces

Kit comando a distanza Moby
24.6021.97.3
Remote control Moby



Kit raccordi IDB 1400-1600-1800
24.9802.97.3
IDB 1400-1600-1800 pump kit

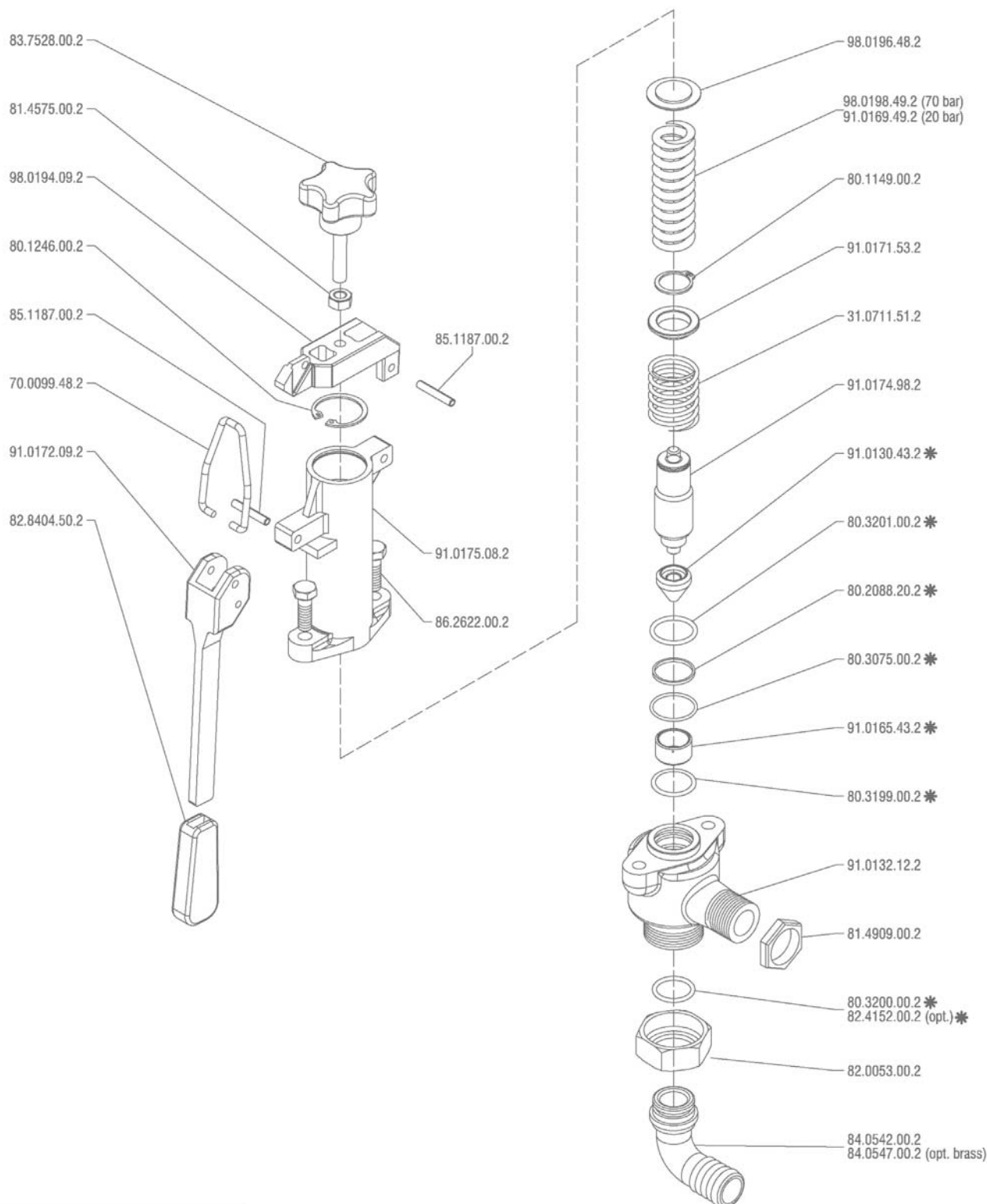


Kit raccordi IDB 1100-1100S
24.9801.97.3
IDB 1100-1100S pump kit

VRP 83

Section: R

Table: R7

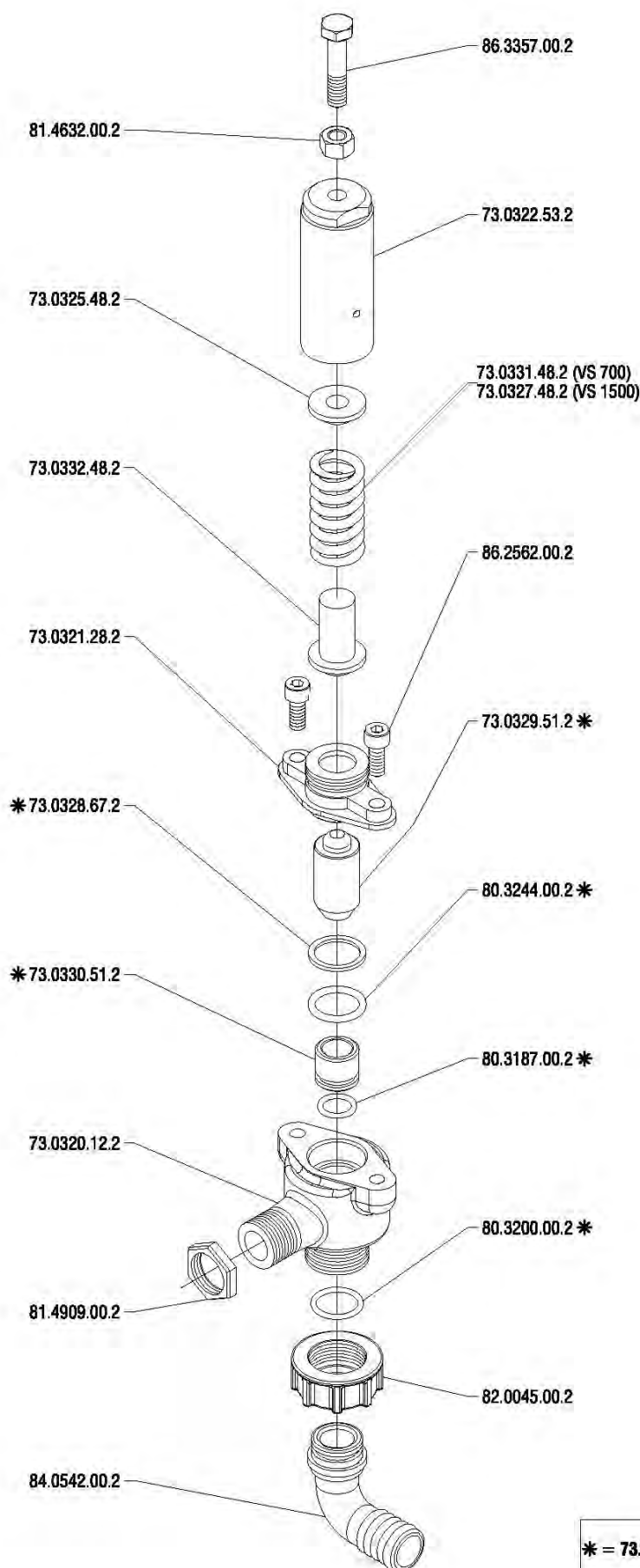


* = 91.9882.97.3 Kit VRP 83 N°7 pezzi
VRP 83 kit N°7 pieces

VS 700 - VS 1500

Section: **R**

Table: **R8**

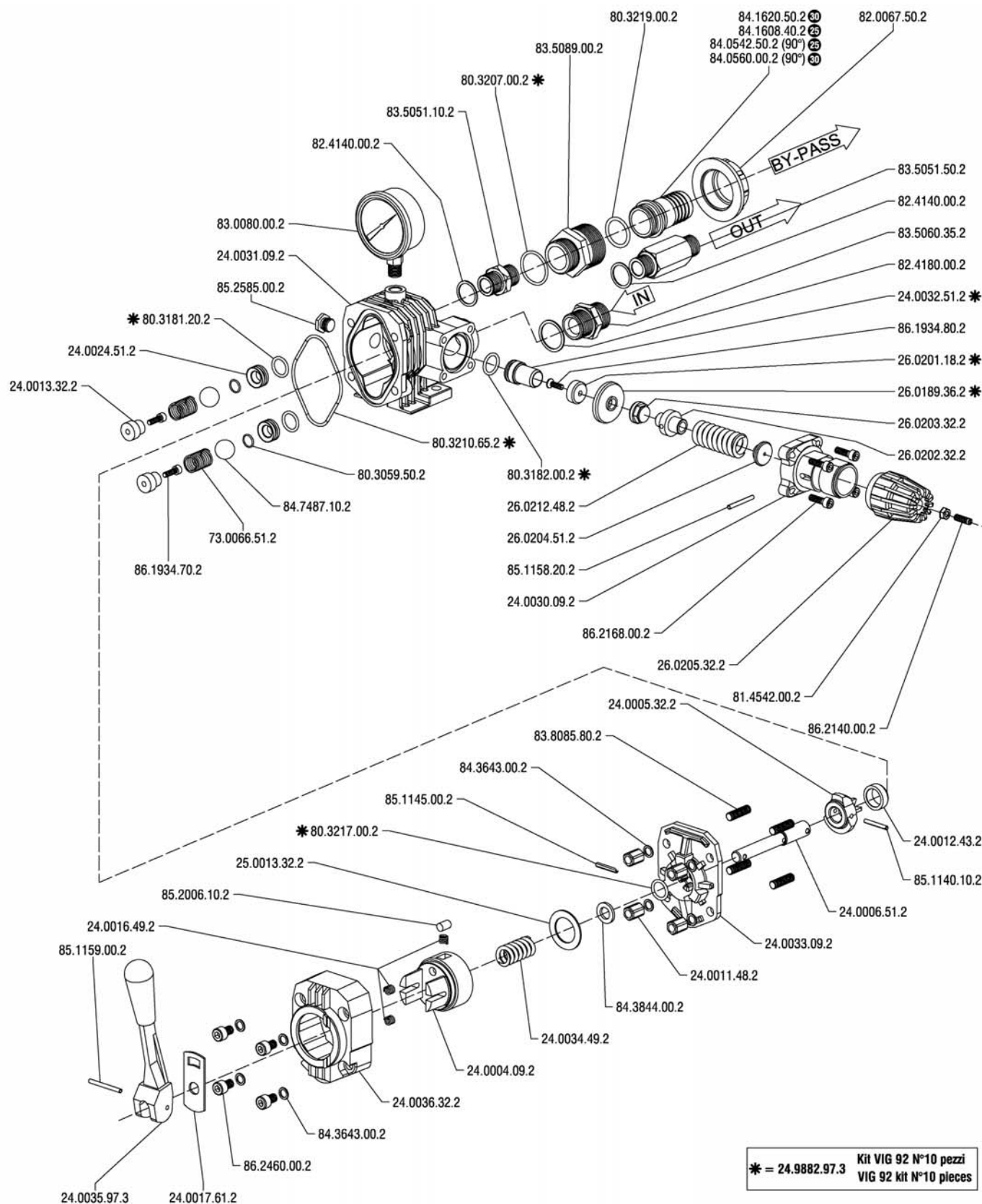


* = 73.9882.97.3 Kit VS 700/1500 N°6 pezzi
VS 700/1500 kit N°6 pieces

VIG 92

Section: R

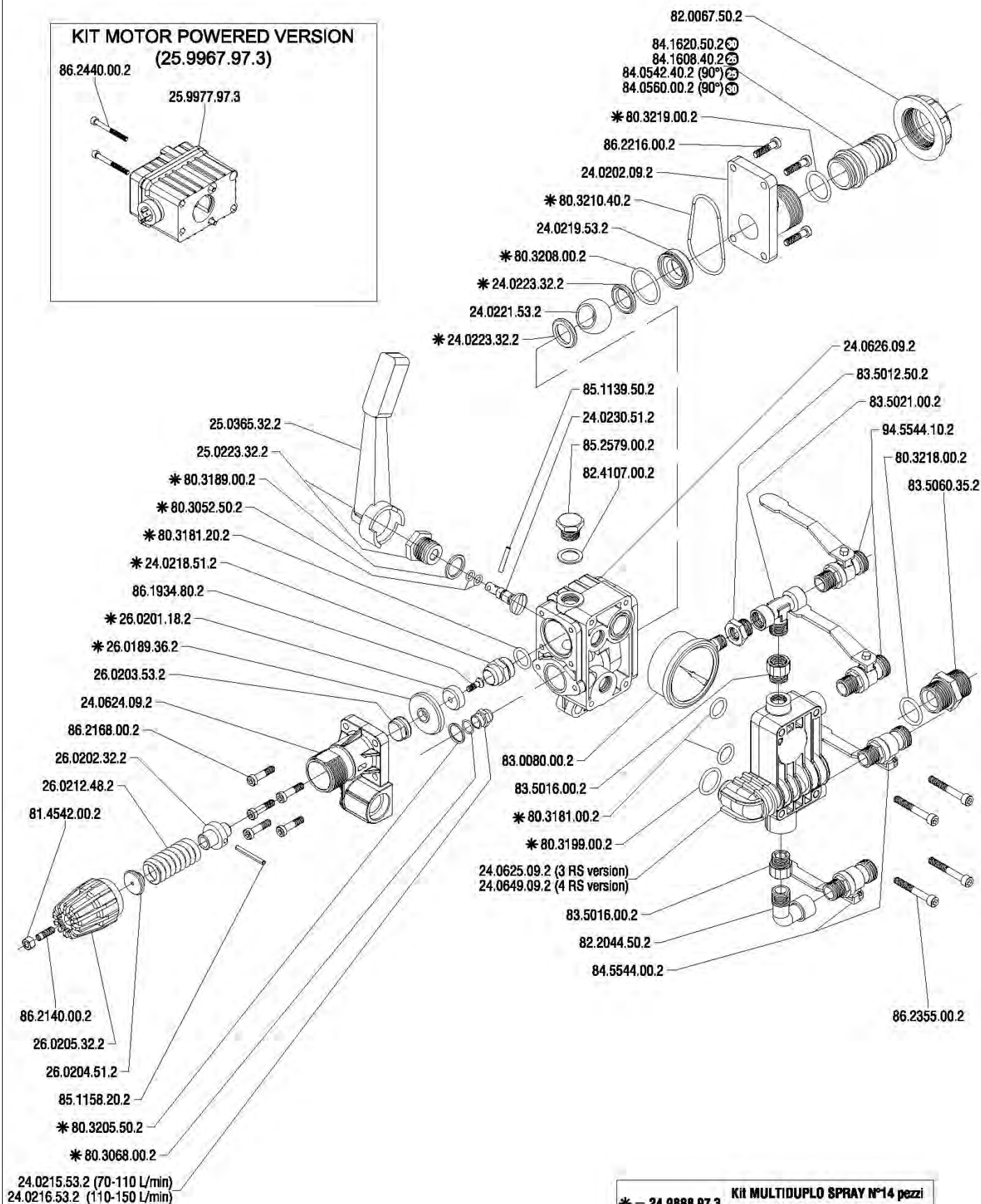
Table: R9



MULTIDUPLO SPRAY 3 - 4 RS

Section: **R**

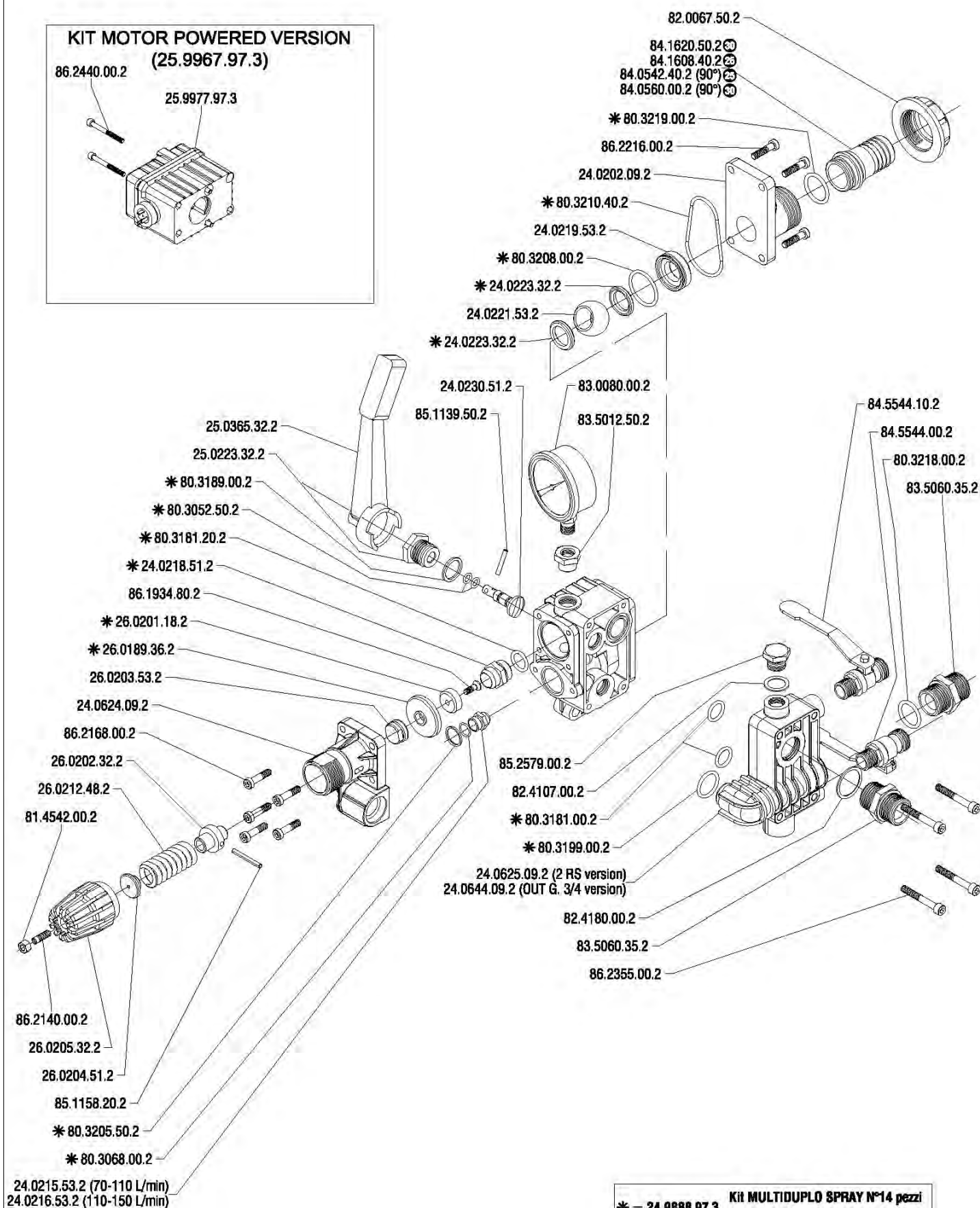
Table: **R10**



MULTIDUPLO SPRAY 2 RS - OUT G. 3/4

Section: R

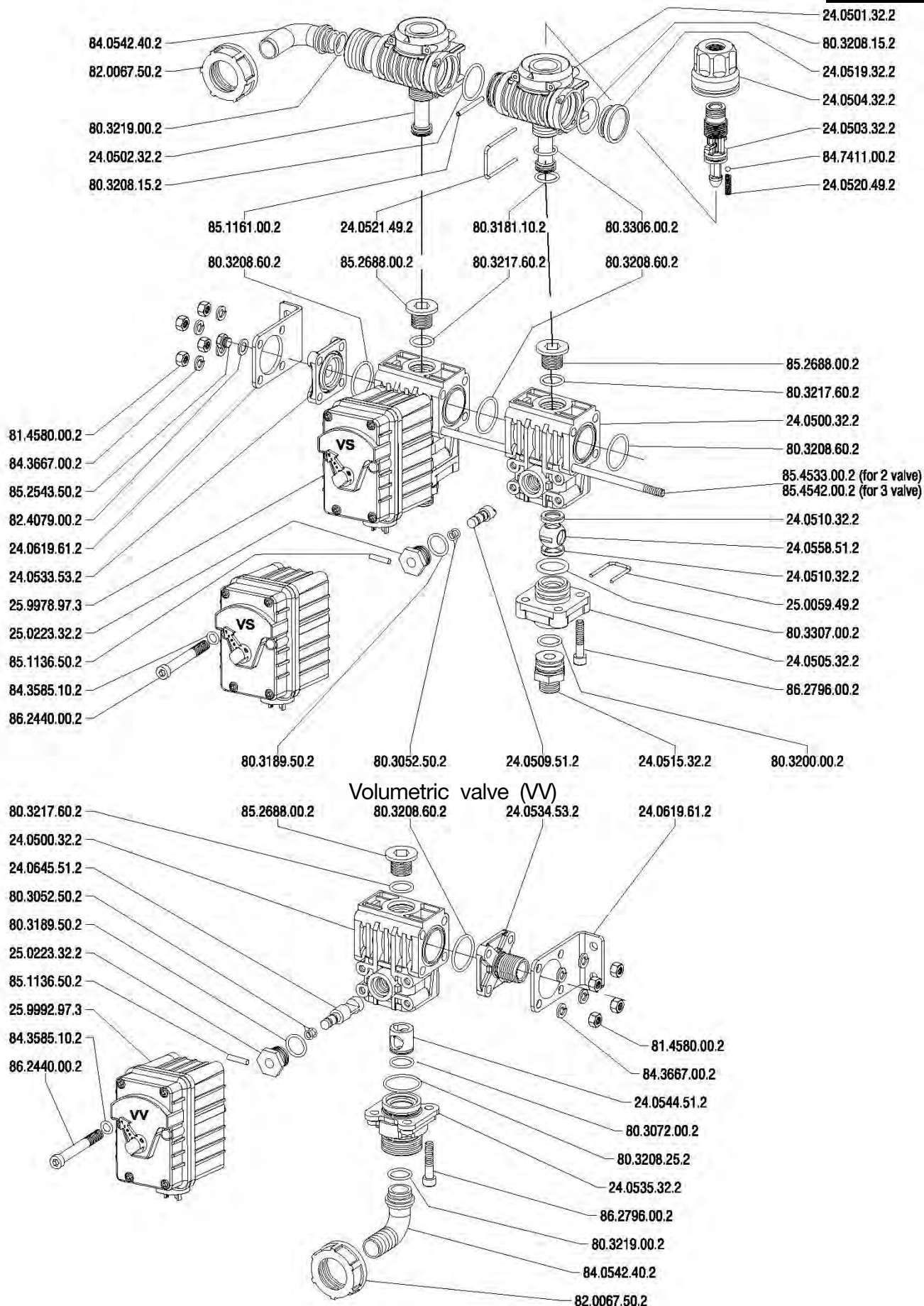
Table: R11



**MOTOR POWERED SECTION VALVE RS-RD FOR MULTIDUPLO
SPRAY 2 RS OUT G. 3/4**

Section: **T**

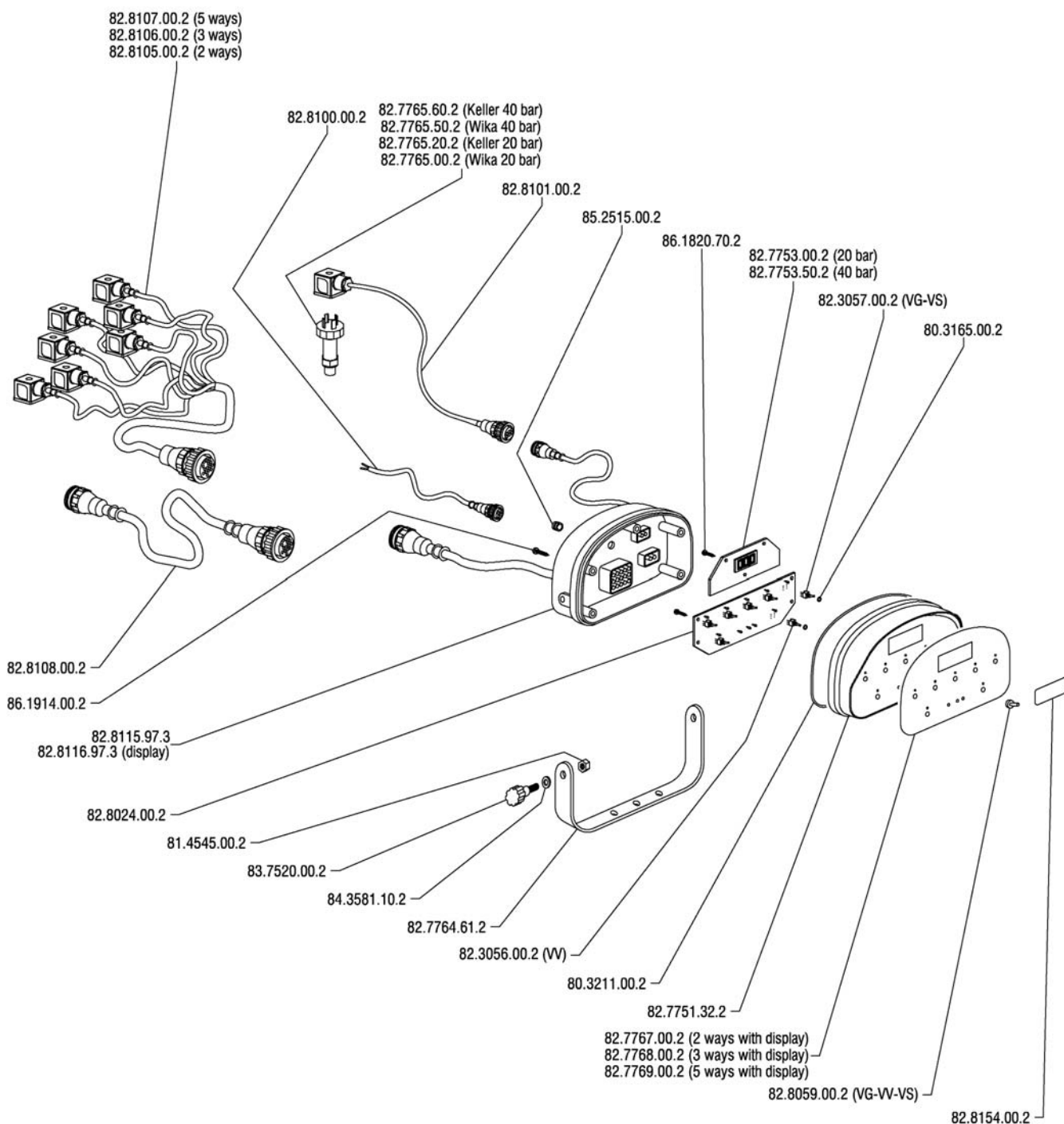
Table: **T0**



PRACTICO A-B

Section: T

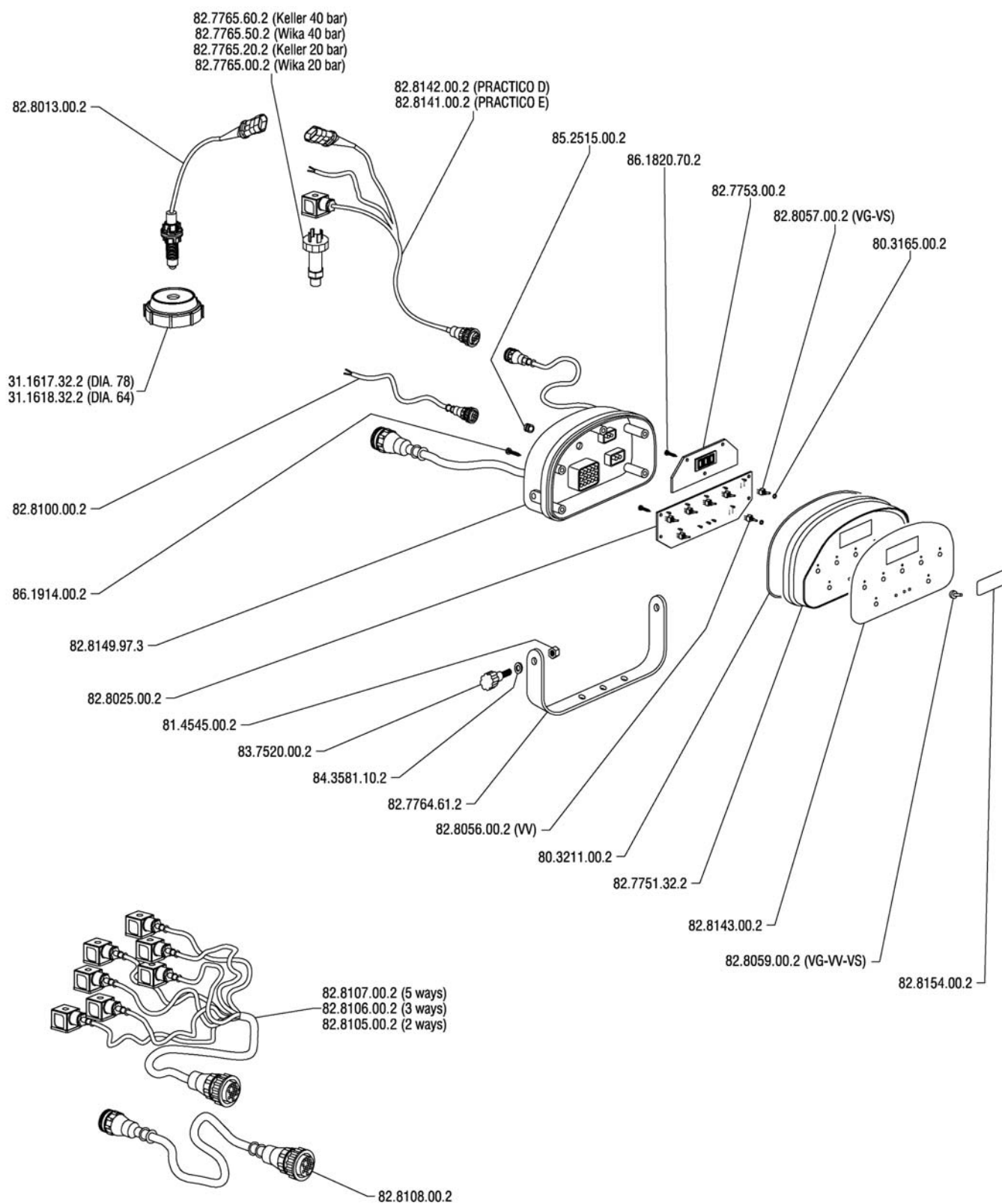
Table: T1



PRACTICO D-E

Section: T

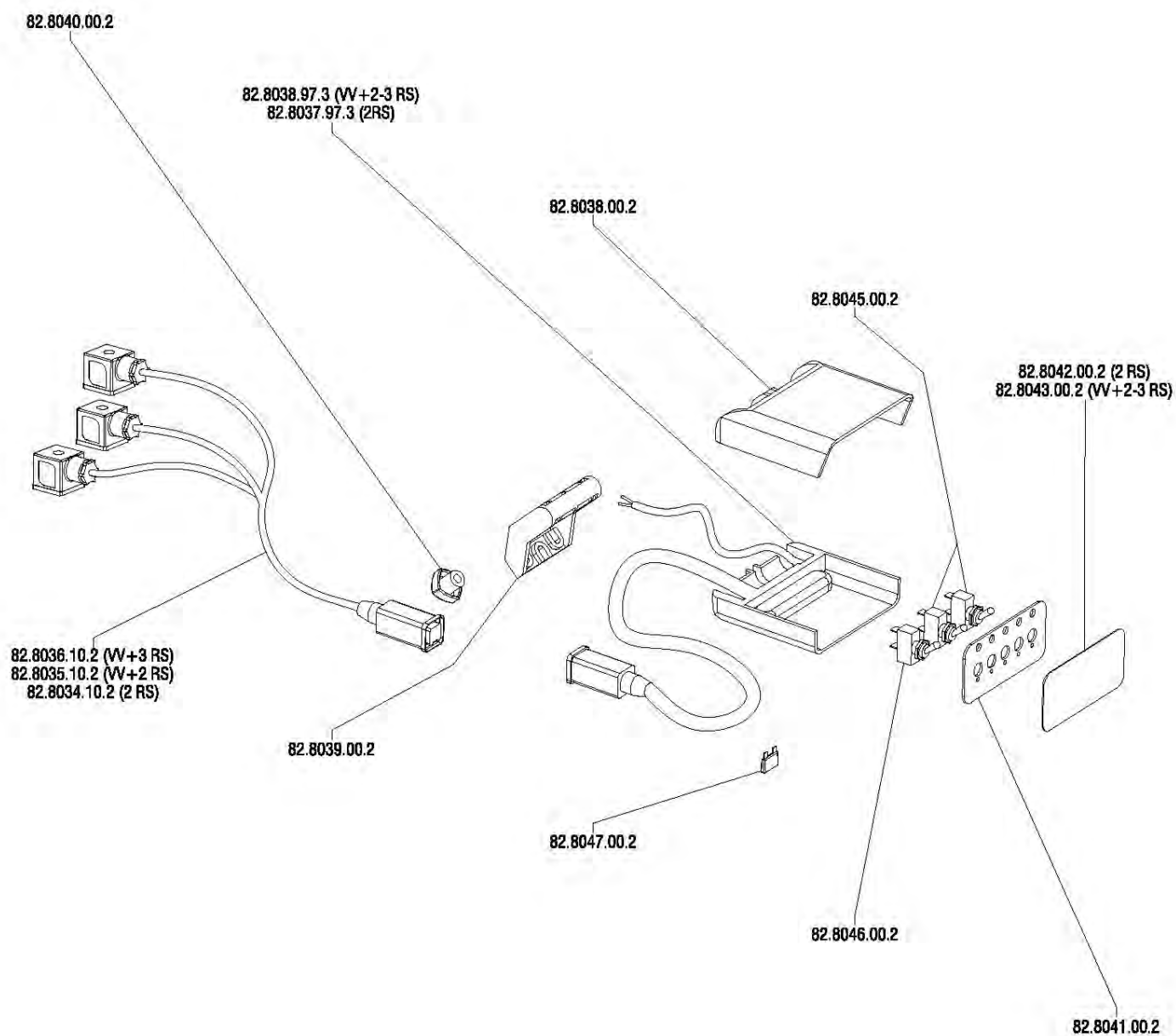
Table: T2



BERTYCONTROL

Section: T

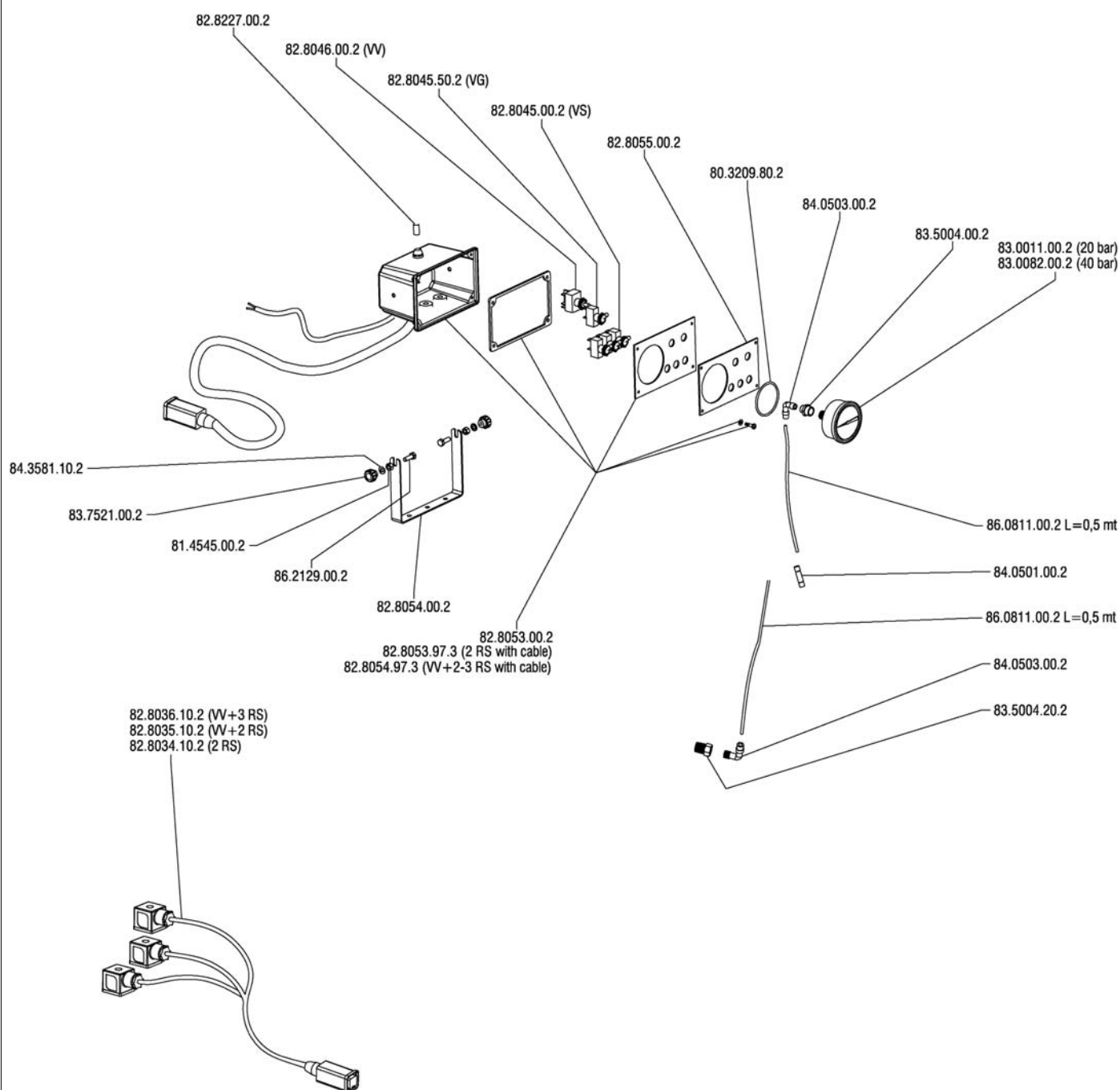
Table: T3



SPRAYERCONTROL

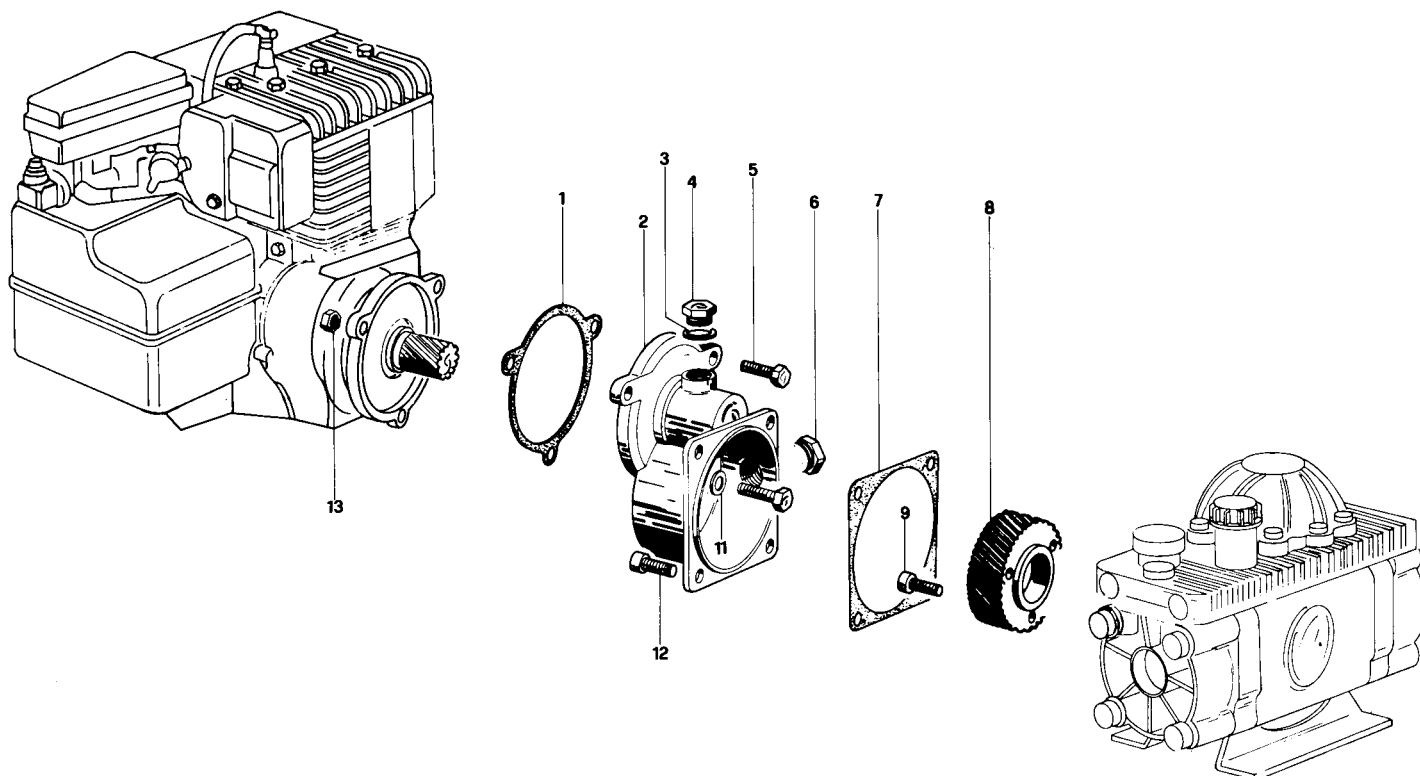
Section: **T**

Table: **T4**



RTA 155/2T

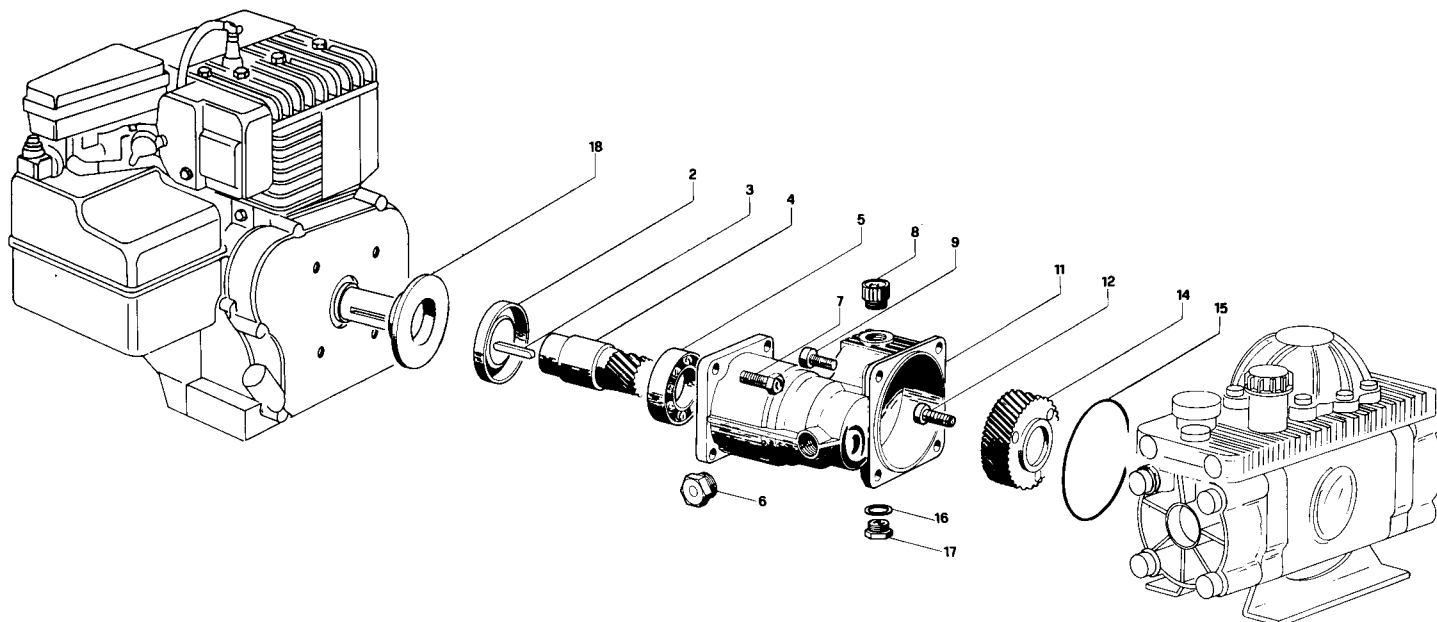
COD. 31.8301.97.3

[illegible]

**NOMENCLATURA RICAMBI RIDUTTORE MOD. RTA 155/2T
(PA330 RT2 MOTORE TERMICO ALBERO SPECIALE DENTATO)**

[illegible]

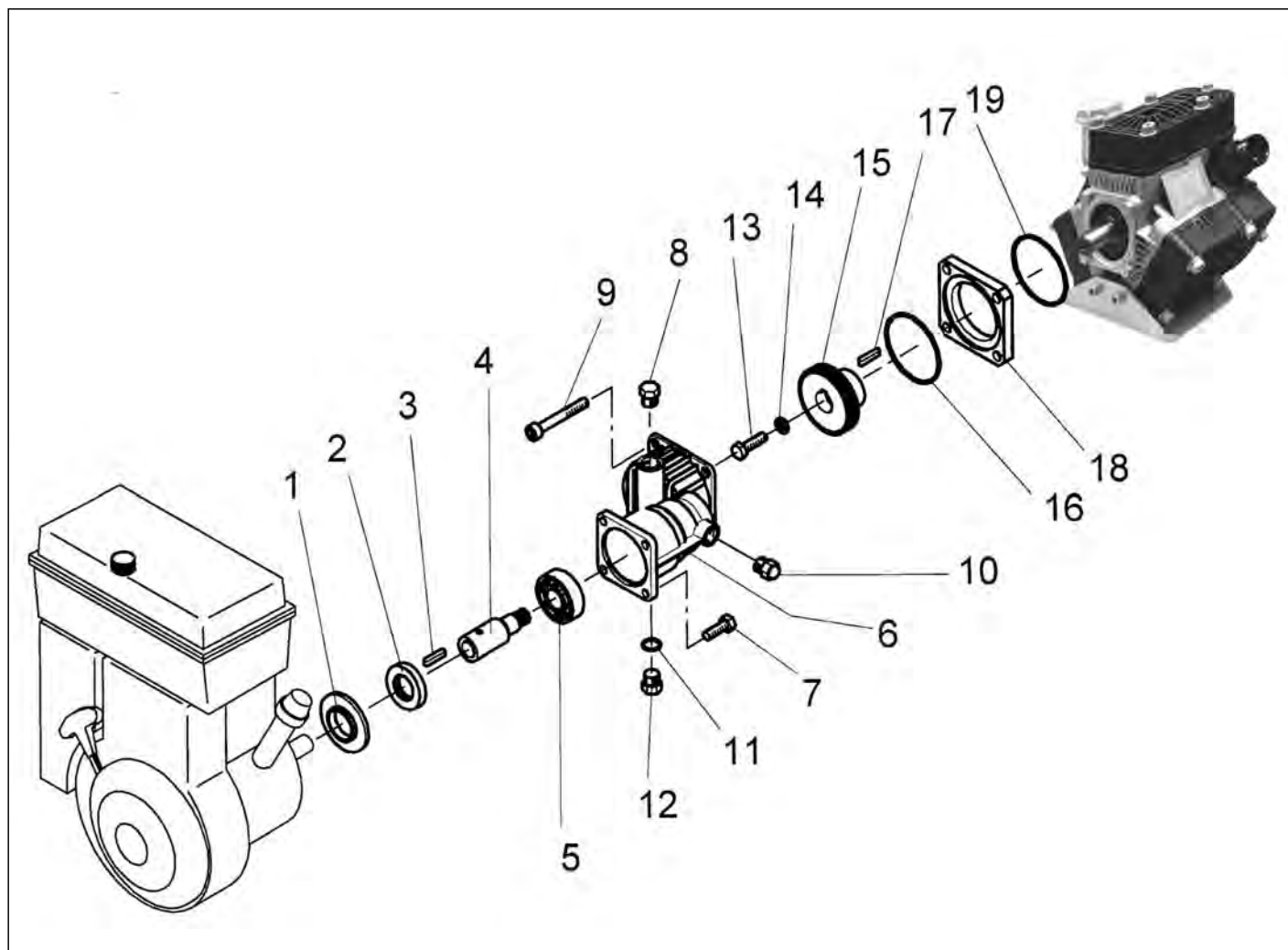
COD. 31.8697.97.3

[illegible]

COPPIA DI SERRAGGIO - TORQUE CHART

[illegible]

COD. 31.8874.97.3

[illegible]

COPPIA DI SERRAGGIO - TORQUE CHART

[illegible]

COD. 31.8900.97.3



COPPIA DI SERRAGGIO - TORQUE CHART

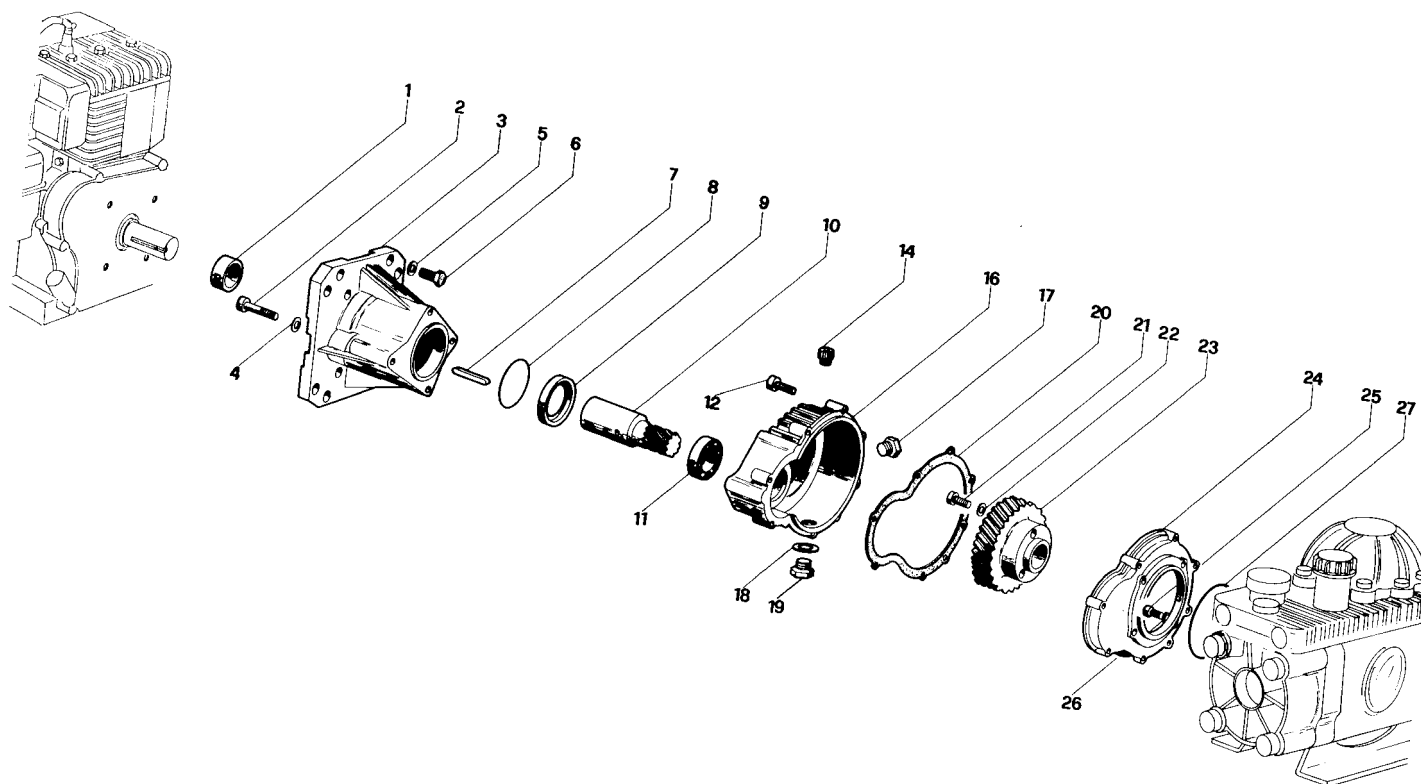
[illegible]

TOLLERANZA DI SERRAGGIO: 0 → - 10%
TOLERANCE ON TORQUE VALUE: 0 → - 10%

RTA 160/4T

COD. 31.8682.97.3 (SAE 1" L=93)

COD. 31.8724.97.3 (SAE 1" L=75)



POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	31.1337.76.2	1	DISTANZIALE (ALBERO MOTORE L=74)
2	86.2945.00.2	4	VITE TCEI M8x60 UNI5931
3	31.1259.07.2	1	FLANGIA RIDUTTORE
4	84.3652.00.2	4	ROSETTA SCHNORR D.8,4
5	84.3763.00.2	4	ROSETTA ONDULATA D.10,5 DIN137-A
6	86.3098.00.2	4	VITE TE 3/8"-16UNC L=1"
7	80.6480.05.2	1	LINGUETTA 6,35x6,35x50
8	80.3210.30.2	1	ANELLO OR 2,62x63,17
9	80.2187.00.2	1	ANELLO RADIALE
10	31.1266.42.2	1	PIGNONE Z=9
11	81.2707.00.2	1	CUSCINETTO SFERE
12	86.2752.00.2	8	VITE TCEI M8x35 UNISO5931
14	85.3511.00.2	1	TAPPO CARICO OLIO
16	31.1257.09.2	1	SEMISCATOLA RIDUTTORE LATO MOTORE
17	85.3510.00.2	1	SPIA LIVELLO OLIO
18	82.4109.00.2	1	GUARNIZIONE D.17x22x1
19	85.2579.00.2	1	TAPPO G.3/8
20	31.1268.72.2	1	GUARNIZIONE RIDUTTORE
21	86.3360.00.2	3	VITE TCEI M10x40 UNI5931
21	86.2796.00.2	3	VITE TCEI M8x40 UNI5931
22	84.3799.00.2	3	ROSETTA ELASTICA D.10,2 UNI1751
22	84.3667.00.2	3	ROSETTA ELASTICA D.8,2 UNI1751
23	31.1265.26.2	1	CORONA Z=54
24	31.1256.09.2	1	SEMISCATOLA RIDUTTORE LATO POMPA
25	86.3265.00.2	4	VITE TCEI M10x25 UNI5931
26	82.4051.00.2	4	GUARNIZIONE D.10,5x16x1
27	80.3080.90.2	1	ANELLO OR 1,78x88,62

**NOMENCLATURA RICAMBI RIDUTTORI MOD. RTA 160/4T
(PA508 ÷ 730 MOTORI TERMICI SAE 1" - L=93 - L=75)**

COPPIA DI SERRAGGIO - TORQUE CHART				
CODICE CODE	Q.TY	N. POS.	RTA 160 (31.8682.97.3 - 31.8724.97.3)	
			N.m	Lbr.ft
86.2945.00.2	4	2	22	16.2
86.3098.00.2	4	6	40	29.5
86.2752.00.2	8	12	22	16.2
86.3360.00.2	3		40	29.5
86.2796.00.2	3	21	22	16.2
86.3265.00.2	4	25	40	29.5

COD. 31.8720.97.3

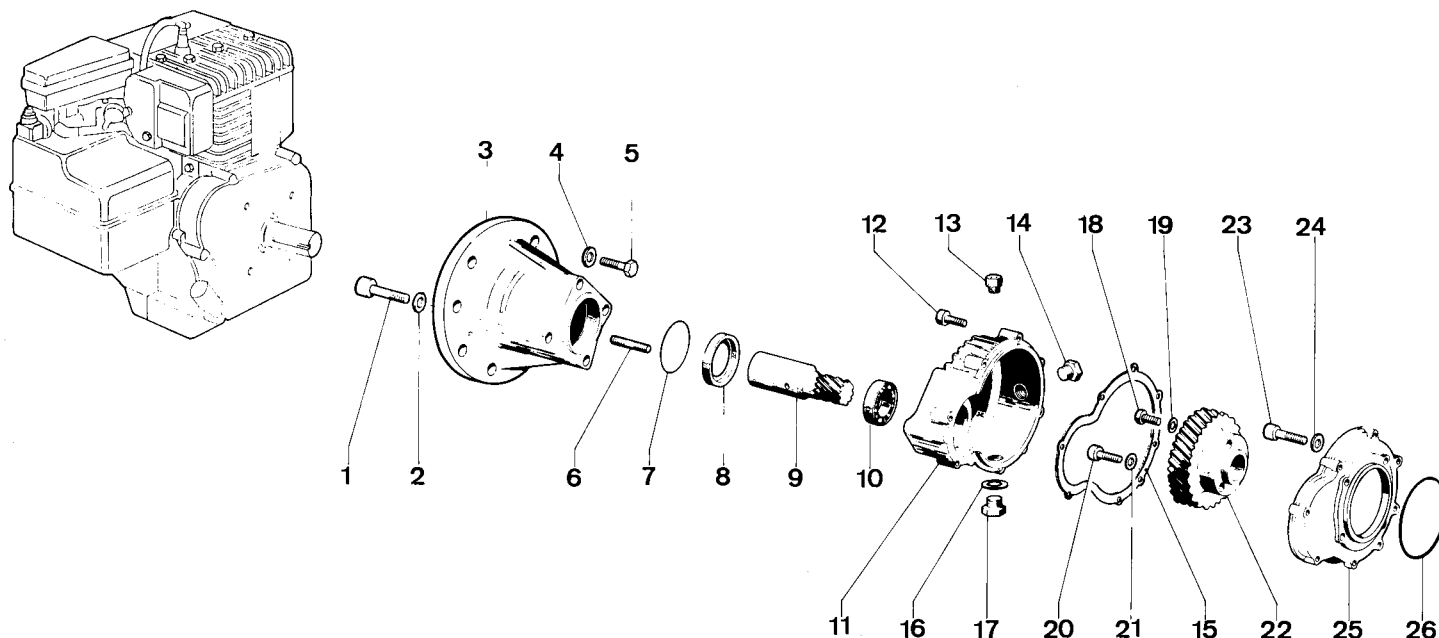


COPPIA DI SERRAGGIO - TORQUE CHART

CODICE CODE	Q.TY	N. POS.	RTA 160 (31.8720.97.3)	
			N.m	Lbr.ft
86.2945.00.2	4	2	22	16.2
86.3098.00.2	4	6	40	29.5
86.2752.00.2	8	12	22	16.2
86.3360.00.2	3	21	40	29.5
86.2796.00.2	3		22	16.2
86.3265.00.2	4	25	40	29.5
TOLLERANZA DI SERRAGGIO:			0 → - 10%	
TOLERANCE ON TORQUE VALUE:			0 → - 10%	

RTA 160/4T

COD. 31.8876.97.3

[illegible]

**NOMENCLATURA RICAMBI RIDUTTORI MOD. RTA 160/4T
(PA330 ÷ 730 MOTORI TERMICI ALBERO CONICO dia. 23)**

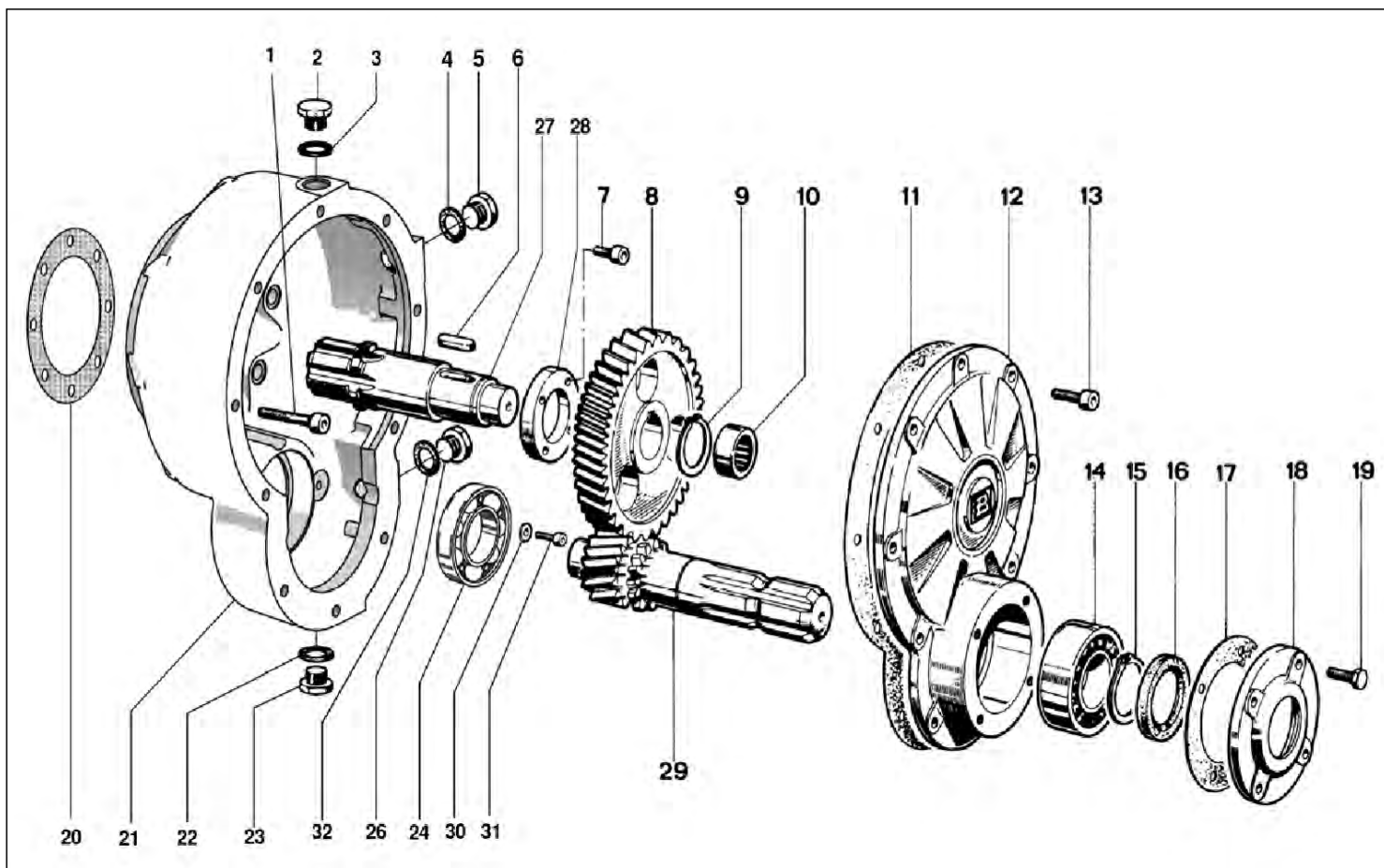
COPPIA DI SERRAGGIO - TORQUE CHART				
CODICE CODE	Q.TY	N. POS.	RTA 160 (31.8876.97.3)	
			N.m	Lbr.ft
86.2796.00.2	4	1	22	16.2
86.2670.00.2	4	5	22	16.2
86.2740.00.2	1	6	22	16.2
86.2752.00.2	8	12	22	16.2
86.3360.00.2	3	18	40	29.5
86.2796.00.2	3	20	22	16.2
86.3265.00.2	4	23	40	29.5

TOLLERANZA DI SERRAGGIO: 0 → - 10%

TOLERANCE ON TORQUE VALUE: 0 → - 10%

R 152 - IDB

COD. 31.8927.97.3

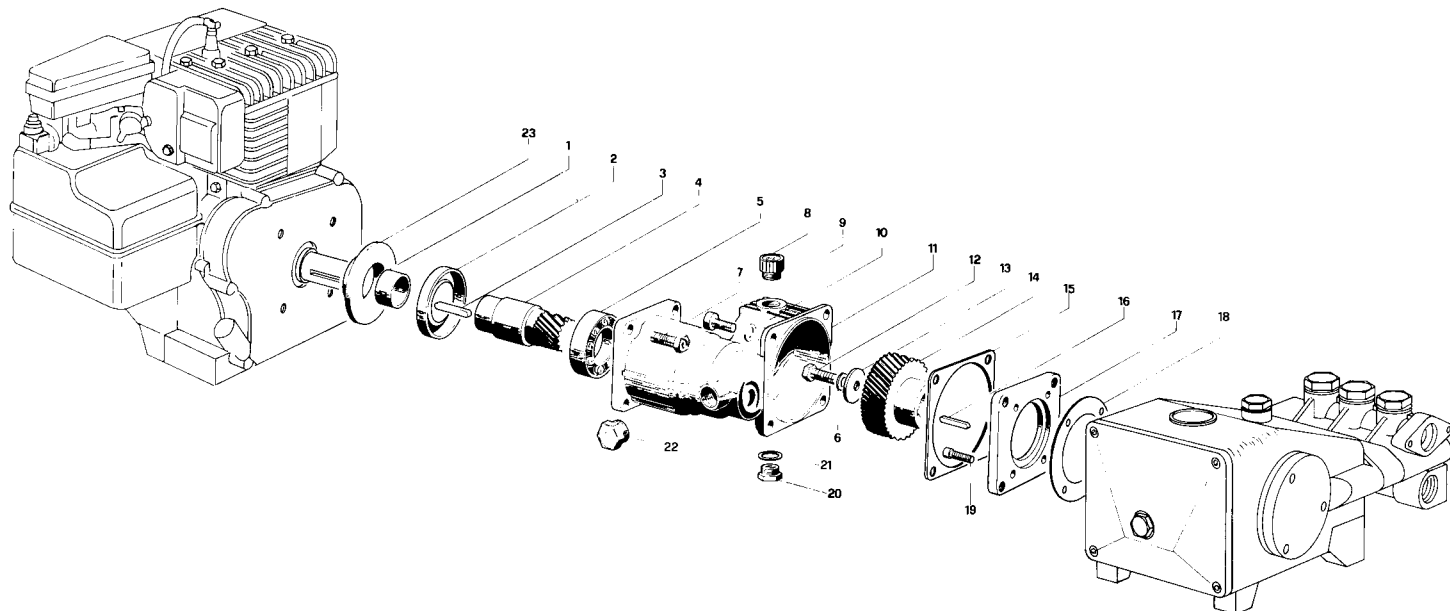


POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	86.2730.00.2	8	VITE TCEI M8x30 UNI 5931
2	85.2580.00.2	1	TAPPO G.3/8 CON SFIATO
3	82.4107.00.2	1	GUARNIZIONE D.16,5x23x1
4	82.4107.00.2	1	GUARNIZIONE D.16,5x23x1
5	85.2579.00.2	1	TAPPO G.3/8
6	80.6578.00.2	1	LINGUETTA 10x8x35
7	86.2569.00.2	3	VITE TCEI M8x20 UNI5931 ESLOK
8	31.0153.26.2	1	CORONA Z=52
9	80.1253.00.2	1	ANELLO ELS D.34 PER ALBERO
10	81.2690.00.2	1	BOCCOLA RULLINI
11	31.0128.72.2	1	GUARNIZIONE
12	31.0119.07.2	1	FLANGIA RIDUTTORE
13	86.2627.00.2	10	VITE TCEI M8x22 UNI5931
14	81.2847.00.2	1	CUSCINETTO SFERE
15	80.1264.00.2	1	ANELLO ELS D.35 PER ALBERO
16	80.2150.00.2	1	ANELLO RADIALE
17	31.0092.72.2	1	GUARNIZIONE
18	31.0070.08.2	1	COPERCHIO RIDUTTORE
19	86.2129.00.2	4	VITE TE M6x18 UNI5739
20	31.1650.72.2	1	GUARNIZIONE
21	31.1649.07.2	1	SCATOLA RIDUTTORE
22	82.4107.00.2	1	GUARNIZIONE D.16,5x23x1
23	85.2579.00.2	1	TAPPO G.3/8
24	81.2725.00.2	1	CUSCINETTO A SFERE
26	85.2579.00.2	1	TAPPO G.3/8
27	31.0122.42.2	1	PERNO PORTA INGRANAGGIO
28	31.0123.41.2	1	RONDELLA FISSAGGIO PERNO
29	31.0152.42.2	1	PIGNONE Z=10
30	84.3618.00.2	2	ROSETTA D.6.4x18x1.5
31	86.2980.00.2	2	VITE TCEI M6x10 UNI5931
32	82.4107.00.2	1	GUARNIZIONE D.16,5x23x1

NOMENCLATURA RICAMBI RIDUTTORI MOD. R 152 (IDB1100 ÷ 1250 MOTORI TERMICI)

[illegible]

COD. 31.8701.97.3

[illegible]

COPPIA DI SERRAGGIO - TORQUE CHART

[illegible]

TOLLERANZA DI SERRAGGIO: 0 → - 10%
TOLERANCE ON TORQUE VALUE: 0 → - 10%

COD. 31.8792.97.3



COPPIA DI SERRAGGIO - TORQUE CHART

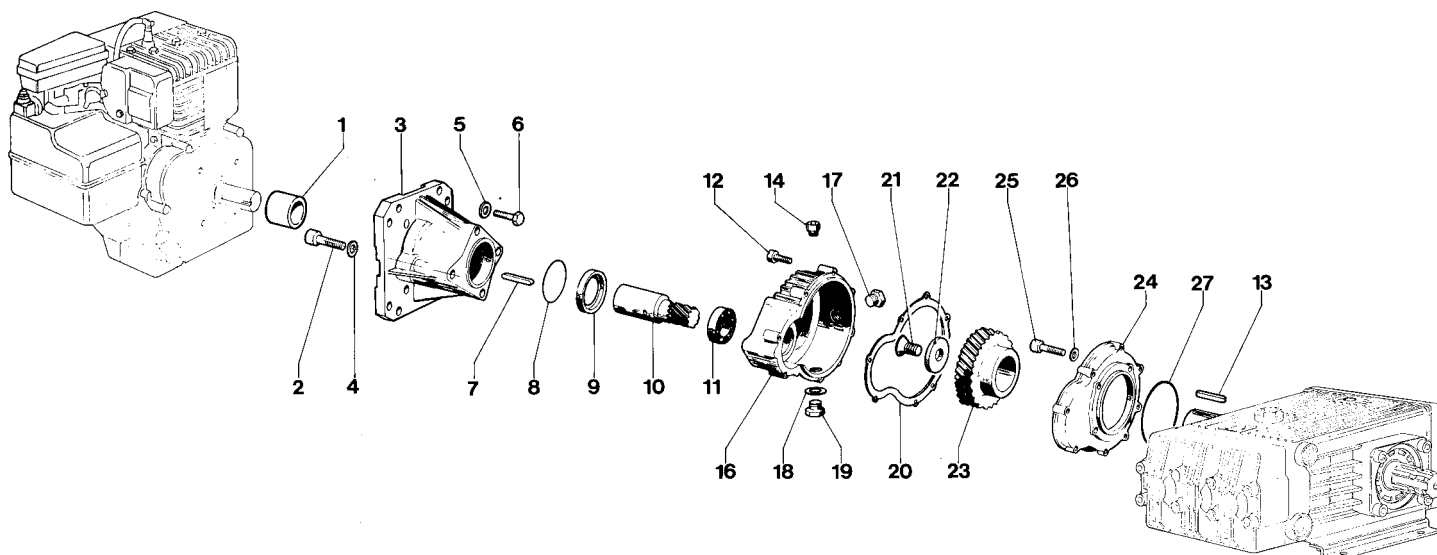
[illegible]

- 156 -

RTA 160/4T

COD. 31.8720.97.3 (SAE 1" L=93)

COD. 31.8810.97.3 (SAE 1" L=75)



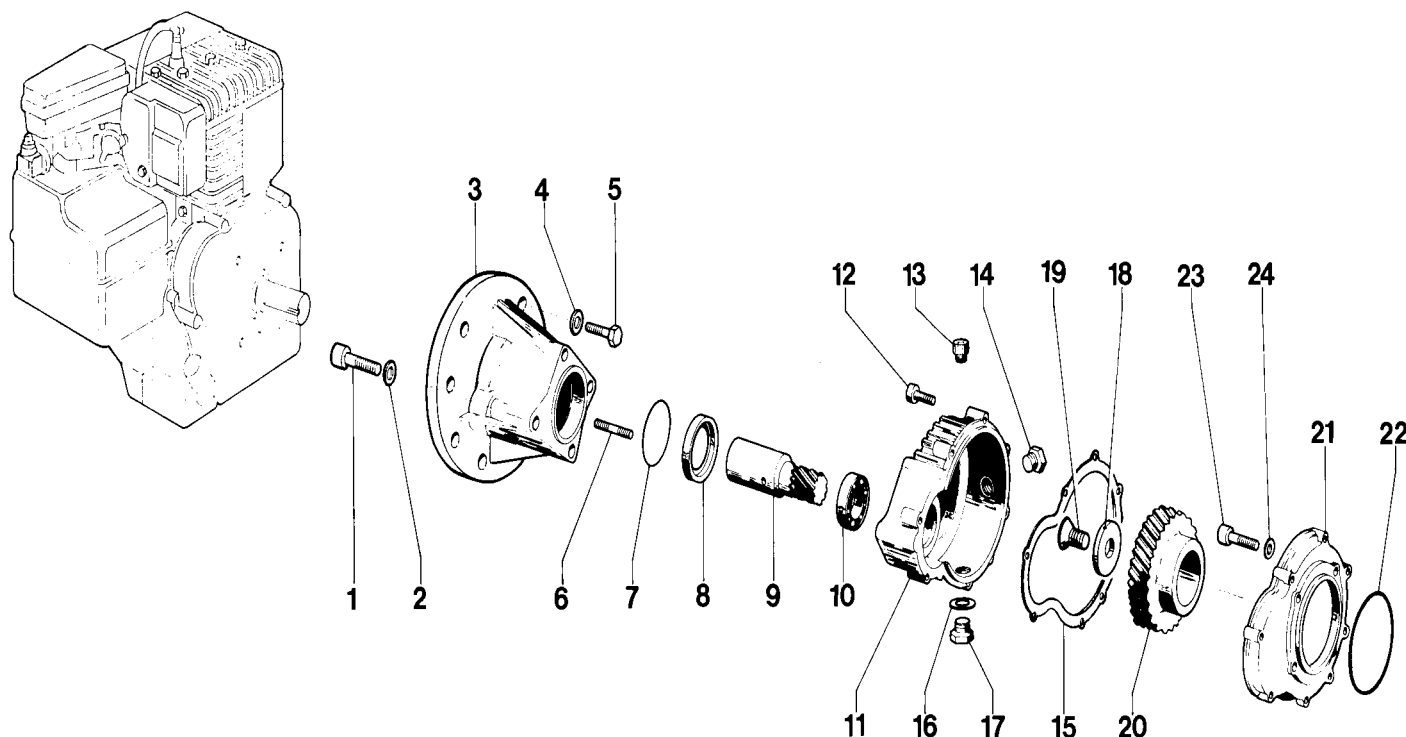
POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	31.1337.76.2	1	DISTANZIALE (ALBERO MOTORE L=74)
2	86.2945.00.2	4	VITE TCEI M8x60 UNI5931
3	31.1259.07.2	1	FLANGIA RIDUTTORE
4	84.3652.00.2	4	ROSETTA SCHNORR D.8,4
5	84.3763.00.2	4	ROSETTA ONDULATA D.10,5
6	86.3098.00.2	4	VITE TE 3/8"-16UNC L=1"
7	80.6480.05.2	1	LINGUETTA 6,35x6,35x50
8	80.3210.30.2	1	ANELLO OR 2,62x63,17
9	80.2187.00.2	1	ANELLO RADIALE
10	31.1266.42.2	1	PIGNONE Z=9
11	81.2707.00.2	1	CUSCINETTO SFERE
12	86.2752.00.2	8	VITE TCEI M8x35 UNI5931
13	80.6578.00.2	1	LINGUETTA 10x8x35
14	85.3511.00.2	1	TAPPO CARICO OLIO G.1/2
14	85.2631.00.2	1	TAPPO CONICO EI G.1/2 (OPTIONAL)
16	31.1257.09.2	1	SEMISCATOLA LATO MOTORE
17	85.3510.00.2	1	SPIA LIVELLO OLIO G.1/2
18	82.4109.00.2	1	GUARNIZIONE D.17x22x1
19	85.2579.00.2	1	TAPPO G.3/8
19	85.2582.00.2	1	TAPPO CARICO OLIO G.3/8 (OPTIONAL)
20	31.1268.72.2	1	GUARNIZIONE
21	86.3750.00.2	1	VITE TSEI M12x30 UNI5933
22	31.1334.46.2	1	RONDELLA FISSAGGIO CORONA
23	31.1333.42.2	1	CORONA Z=54
24	31.1256.09.2	1	SEMISCATOLA LATO POMPA
25	86.3265.00.2	4	VITE TCEI M10x25 UNI5931
26	82.4051.00.2	4	GUARNIZIONE D.10,5x16x1
27	80.3080.90.2	1	ANELLO OR 1,78x88,62

NOMENCLATURA RICAMBI RIDUTTORE MOD. RTA 160/4T (C53P MOTORI TERMICI SAE 1")

COPPIA DI SERRAGGIO - TORQUE CHART				
CODICE CODE	Q.TY	N. POS.	RTA 160 (31.8720.97.3 - 31.8810.97.3)	
			N.m	Lbr.ft
86.2945.00.2	4	2	22	16.2
86.3098.00.2	4	6	40	29.5
86.2752.00.2	8	12	22	16.2
86.3750.00.2	1	21	50	37
86.3265.00.2	4	25	40	29.5

RTA 160/4T

COD. 31.8885.97.3

[illegible]

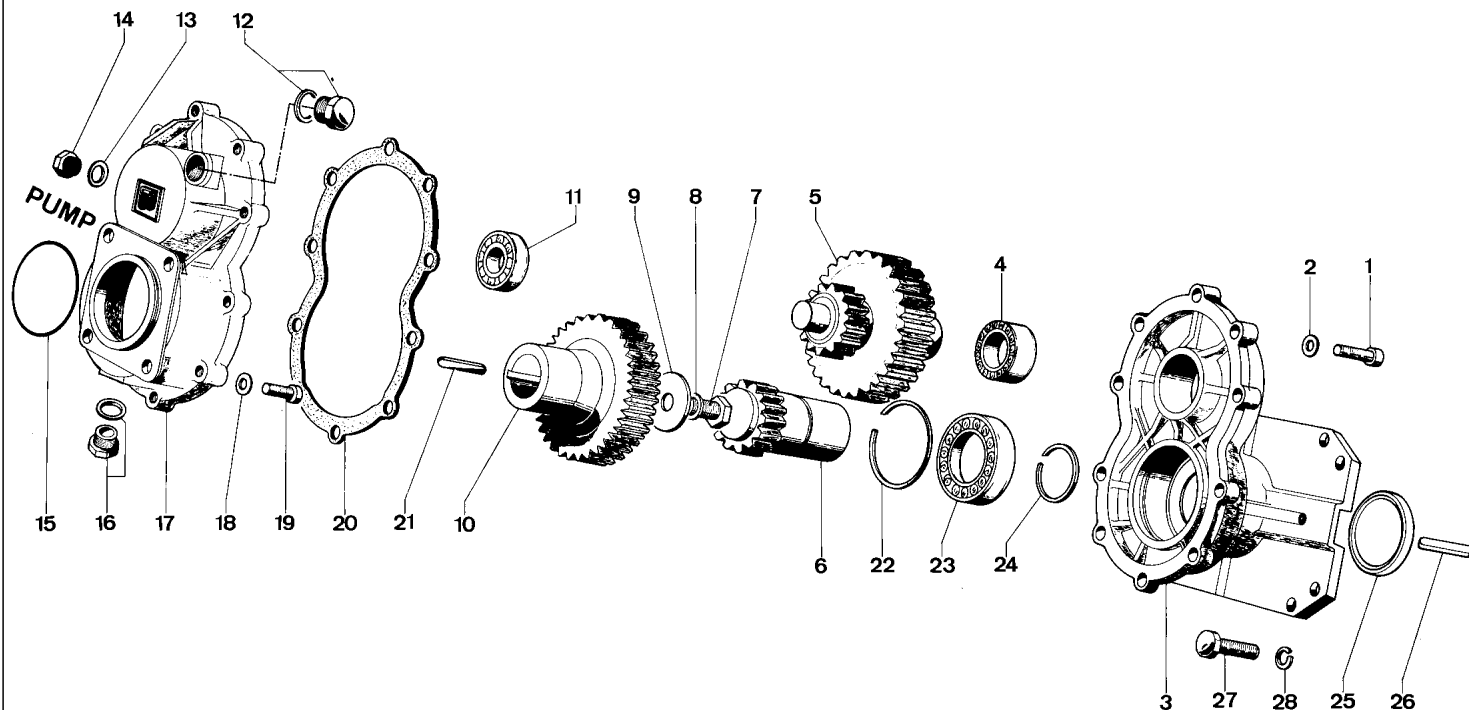
**NOMENCLATURA RICAMBI RIDUTTORE MOD. RTA 160/4T
(C53P MOTORI TERMICI ALBERO CONICO dia. 23)**

COPPIA DI SERRAGGIO - TORQUE CHART

CODICE CODE	Q.TY	N. POS.	RTA 160 {31.8885.97.3}	
			N.m	Lbr.ft
86.2796.00.2	4	1	22	16.2
86.2670.00.2	4	5	22	16.2
86.2740.00.2	1	6	15	11.1
86.2752.00.2	8	12	22	16.2
86.3750.00.2	1	19	50	37
86.3265.00.2	4	23	40	29.5
TOLLERANZA DI SERRAGGIO: <i>TOLERANCE ON TORQUE VALUE:</i>			0 → - 10% 0 → - 10%	

RTA 153

COD. 31.8642.97.3



POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	86.2730.00.2	10	VITE TCEI M8x30 UNI5931
2	84.3652.00.2	10	ROSETTA SCHNORR D.8,4
3	31.1226.07.2	1	SEMISCATOLA LATO MOTORE
4	81.2740.00.2	1	CUSCINETTO RULLI
5	31.1228.26.2	1	DOPPIO INGRANAGGIO Z=34 + Z=15
6	31.1230.26.2	1	PIGNONE Z=15
7	86.3740.00.2	1	VITE TE M12x30 UNI5739
8	84.3906.00.2	1	ROSETTA ELASTICA D.13 UNI1751
9	84.3885.00.2	1	ROSETTA D.14x36x3
10	31.1229.26.2	1	INGRANAGGIO Z=34
11	81.2637.00.2	1	CUSCINETTO SFERE
12	85.3511.00.2	1	TAPPO CARICO OLIO G.1/2
13	82.4079.00.2	1	GUARNIZIONE D.13,2x17x1
14	85.2543.50.2	1	TAPPO G.1/4
15	80.3080.90.2	1	ANELLO OR 1,78x88,62
16	85.3515.00.2	1	SPIA LIVELLO OLIO G.3/4
17	31.1225.07.2	1	SEMISCATOLA LATO POMPA
18	82.4079.00.2	4	GUARNIZIONE D.13,2x17x1
19	86.3983.00.2	4	VITE TCEI M12x45 UNI5931 12.9
20	31.1231.72.2	1	GUARNIZIONE RIDUTTORE
21	80.6530.00.2	1	LINGUETTA 8x7x30
22	80.1410.00.2	1	ANELLO ELASTICO D.68 PER FORO
23	81.2890.00.2	1	CUSCINETTO SFERE
24	80.1297.00.2	1	ANELLO ELASTICO D.40 PER ALBERO
25	80.2180.00.2	1	ANELLO RADIALE
26	80.6475.00.2	1	LINGUETTA 6,36x6,36x40
27	86.3098.00.2	4	VITE TE 3/8"-16UNC L=1"
27	86.2568.00.2	4	VITE TE 5/16"-24UNF L=1"
28	84.3763.00.2	4	ROSETTA ONDULATA D.10,5 DIN137-A
28	84.3654.00.2	4	ROSETTA ONDULATA D.8,4 DIN137-B

**NOMENCLATURA RICAMBI RIDUTTORE MOD. RTA 153
(C63PR ÷ C73PR MOTORI TERMICI SAE 1" L=93)**

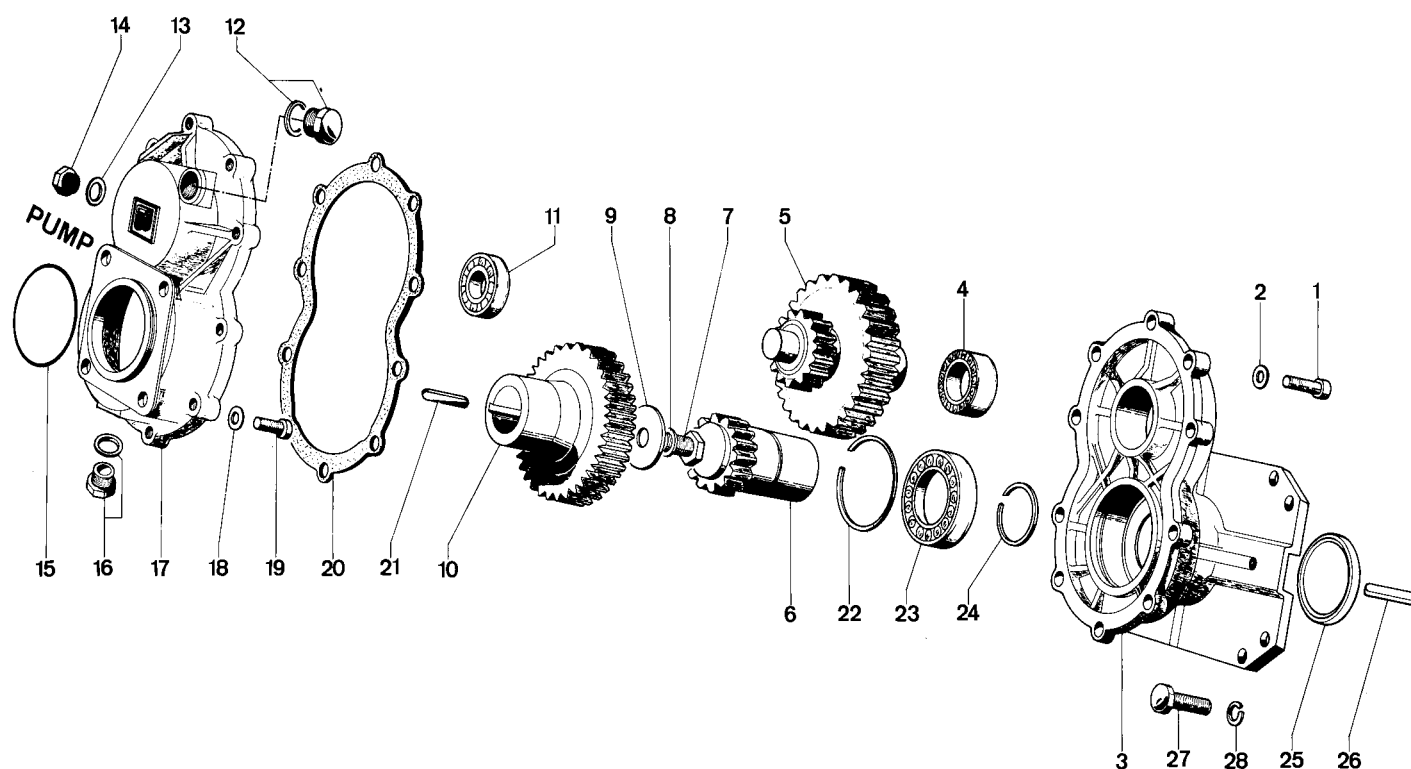
COPPIA DI SERRAGGIO - TORQUE CHART				
CODICE CODE	Q.TY	N. POS.	RTA 153 (31.8642.97.3)	
			N.m	Lbr.ft
86.2730.00.2	10	1	22	16.2
86.3879.50.2	1	7	50	37
86.3983.00.2	4	19	68	50.2
86.3098.00.2	4	27	40	29.5
86.2568.00.2	4	27	22	16.2

TOLLERANZA DI SERRAGGIO: 0 → - 10%

TOLERANCE ON TORQUE VALUE: 0 → - 10%

RTA 162

COD. 31.8644.97.3

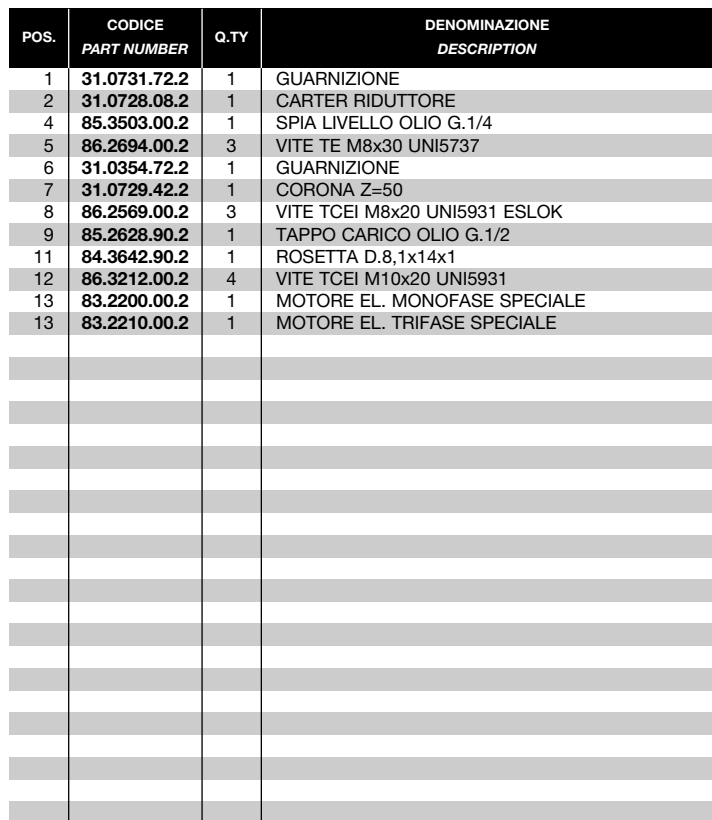


POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	86.2730.00.2	10	VITE TCEI M8x30 UNI5931
2	84.3652.00.2	10	ROSETTA SCHNORR D.8,4
3	31.1226.07.2	1	SEMISCATOLA LATO MOTORE
4	81.2740.00.2	1	CUSCINETTO RULLI
5	31.1233.26.2	1	DOPPIO INGRANAGGIO Z=35 + Z=14
6	31.1235.26.2	1	PIGNONE Z=14
7	86.3740.00.2	1	VITE TE M12x30 UNI5739
8	84.3906.00.2	1	ROSETTA ELASTICA D.13 UNI1751
9	84.3885.00.2	1	ROSETTA D.14x36x3
10	31.1234.26.2	1	INGRANAGGIO Z=35
11	81.2637.00.2	1	CUSCINETTO SFERE
12	85.3511.00.2	1	TAPPO CARICO OLIO G.1/2
13	82.4079.00.2	1	GUARNIZIONE D.13,2x17x1
14	85.2543.50.2	1	TAPPO G.1/4
15	80.3080.90.2	1	ANELLO OR 1,78x88,62
16	85.3515.00.2	1	SPIA LIVELLO OLIO G.3/4
17	31.1225.07.2	1	SEMISCATOLA LATO POMPA
18	82.4079.00.2	4	GUARNIZIONE D.13,2x17x1
19	86.3983.00.2	4	VITE TCEI M12x45 UNI5931 12.9
20	31.1231.72.2	1	GUARNIZIONE RIDUTTORE
21	80.6530.00.2	1	LINGUETTA 8x7x30
22	80.1410.00.2	1	ANELLO ELASTICO D.68 PER FORO
23	81.2890.00.2	1	CUSCINETTO SFERE
24	80.1297.00.2	1	ANELLO ELASTICO D.40 PER ALBERO
25	80.2180.00.2	1	ANELLO RADIALE
26	80.6475.00.2	1	LINGUETTA 6,36x6,36x40
27	86.3098.00.2	4	VITE TE 3/8"-16UNC L=1"
27	86.2568.00.2	4	VITE TE 5/16"-24UNF L=1"
28	84.3763.00.2	4	ROSETTA ONDULATA D.10,5 DIN137-A
28	84.3654.00.2	4	ROSETTA ONDULATA D.8,4 DIN137-B

**NOMENCLATURA RICAMBI RIDUTTORE MOD. RTA 162
(C63PR ÷ C73PR MOTORI TERMICI SAE 1" L=93)**

[illegible]

COD. 31.8719.97.3

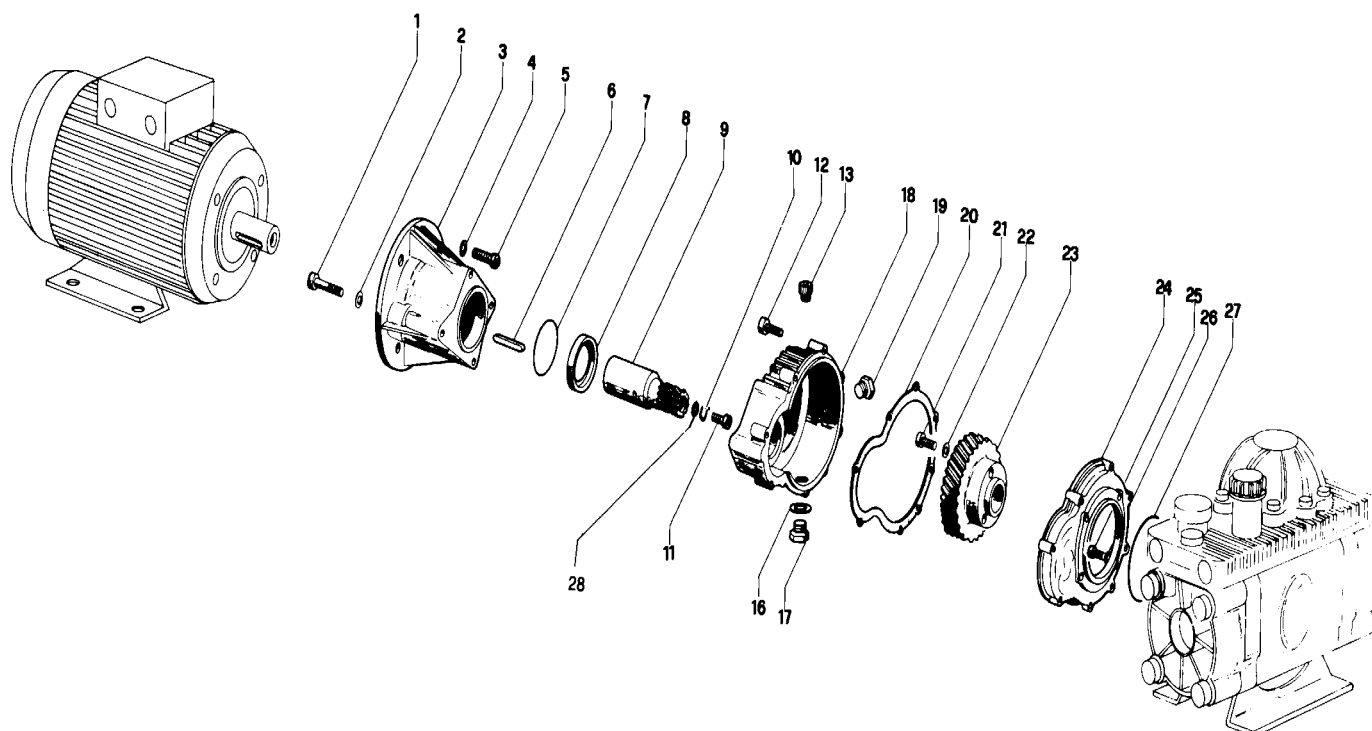


COPPIA DI SERRAGGIO - TORQUE CHART

- 161 -

RE 127

COD. 31.8683.97.3



POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	86.2796.00.2	4	VITE TCEI M8x40 UNI5931
2	84.3652.00.2	4	ROSETTA SCHNORR D.8,4
3	31.1260.07.2	1	FLANGIA RIDUTTORE
4	84.3652.00.2	4	ROSETTA SCHNORR D.8,4
5	86.2730.00.2	4	VITE TCEI M8x30 UNI5931
6	80.6538.00.2	1	LINGUETTA 8x7x40
7	80.3210.30.2	1	ANELLO OR 2,62x63,17
8	80.2187.00.2	1	ANELLO RADIALE
9	31.1270.42.2	1	PIGNONE Z=17
10	84.3810.00.2	1	ROSETTA D.10,5x21x2
11	86.3554.00.2	1	VITE TE M10x65 UNI5737
12	86.2752.00.2	8	VITE TCEI M8x35 UNI5931
13	85.3511.00.2	1	TAPPO CARICO OLIO G.1/2
16	82.4109.00.2	1	GUARNIZIONE D.17x22x1
17	85.2579.00.2	1	TAPPO G.3/8
18	31.1257.09.2	1	SCATOLA RIDUTTORE LATO MOTORE
19	85.3510.00.2	1	SPIA LIVELLO OLIO G.1/2
20	31.1268.72.2	1	GUARNIZIONE RIDUTTORE
21	86.3360.00.2	3	VITE TCEI M10x40 UNI5931
22	84.3799.00.2	3	ROSETTA ELASTICA D.10,2 UNI1751
23	31.1271.26.2	1	CORONA Z=46
24	31.1256.09.2	1	SCATOLA RIDUTTORE LATO POMPA
25	86.3265.00.2	4	VITE TCEI M10x25 UNI5931
26	82.4051.00.2	4	GUARNIZIONE D.10,5x16x1
27	80.3080.90.2	1	ANELLO OR 1,78x88,62
28	80.3171.00.2	1	ANELLO OR 2,62x9,13

NOMENCLATURA RICAMBI RIDUTTORE MOD. RE 127
(PA330 ÷ PA730 MOTORI ELETTRICI B3/B14)

COPPIA DI SERRAGGIO - TORQUE CHART

CODICE CODE	Q.TY	N. POS.	RE 127 (31.8683.97.3)	
			N.m	Lbr.ft
86.2796.00.2	4	1	22	16.2
86.2730.00.2	4	5	22	16.2
86.2752.00.2	8	12	22	16.2
86.3360.00.2	3	21	40	29.5
86.3265.00.2	4	25	40	29.5
86.3554.00.2	1	11	40	29.5

TOLLERANZA DI SERRAGGIO: 0 → - 10%
TOLERANCE ON TORQUE VALUE: 0 → - 10%

COD. 31.8721.97.3



COPPIA DI SERRAGGIO - TORQUE CHART

[illegible]

COD. 31.8721.97.3

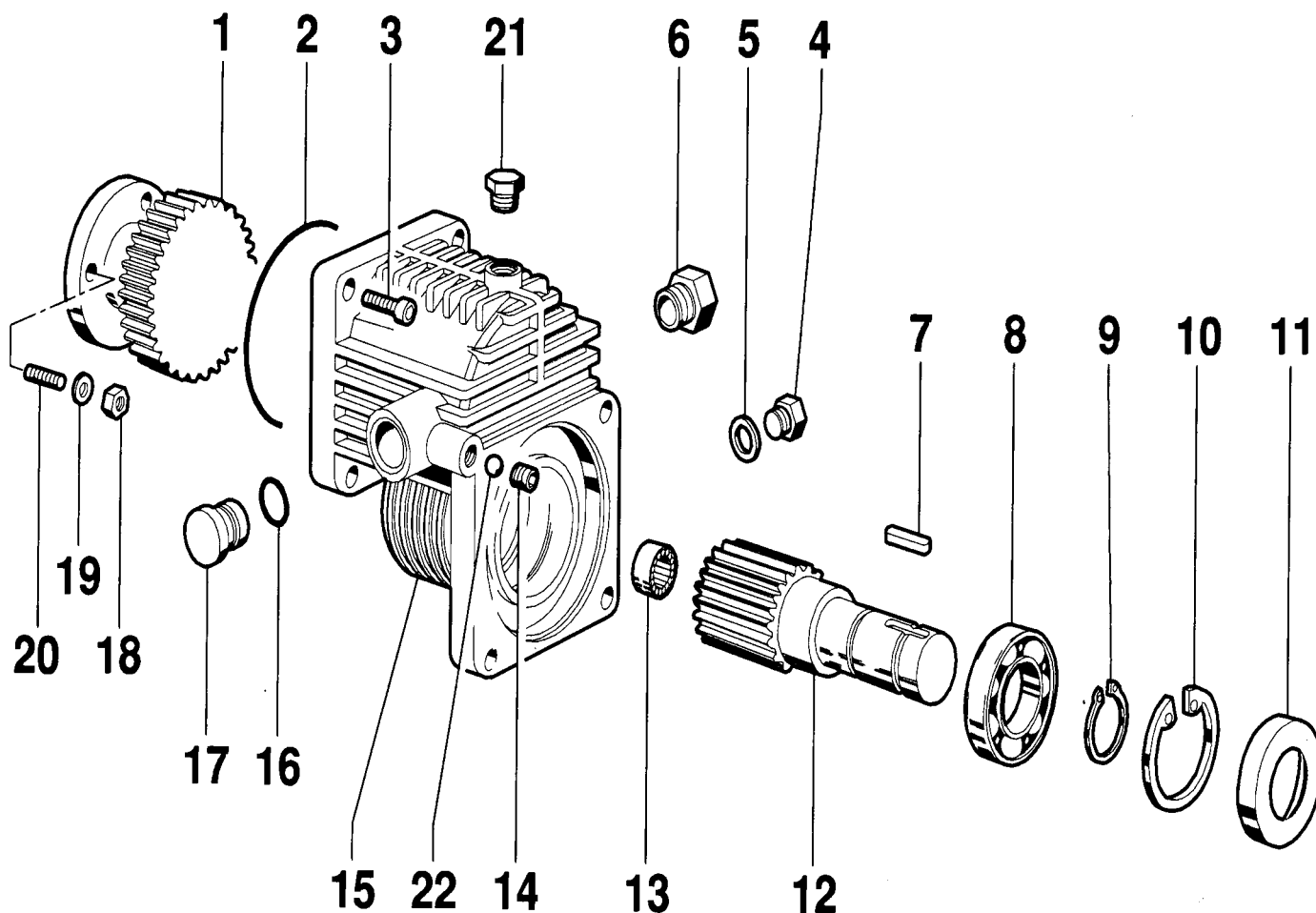


COPPIA DI SERRAGGIO - TORQUE CHART

[illegible]

- 164 -

COD. 31.8839.97.3

[illegible]

**NOMENCLATURA RICAMBI RIDUTTORE MOD. R 116
(20VF ÷ PA730 PER MACCHINE AGRICOLE)**

[illegible]

COD. 31.8809.97.3
COD. 31.8840.97.3

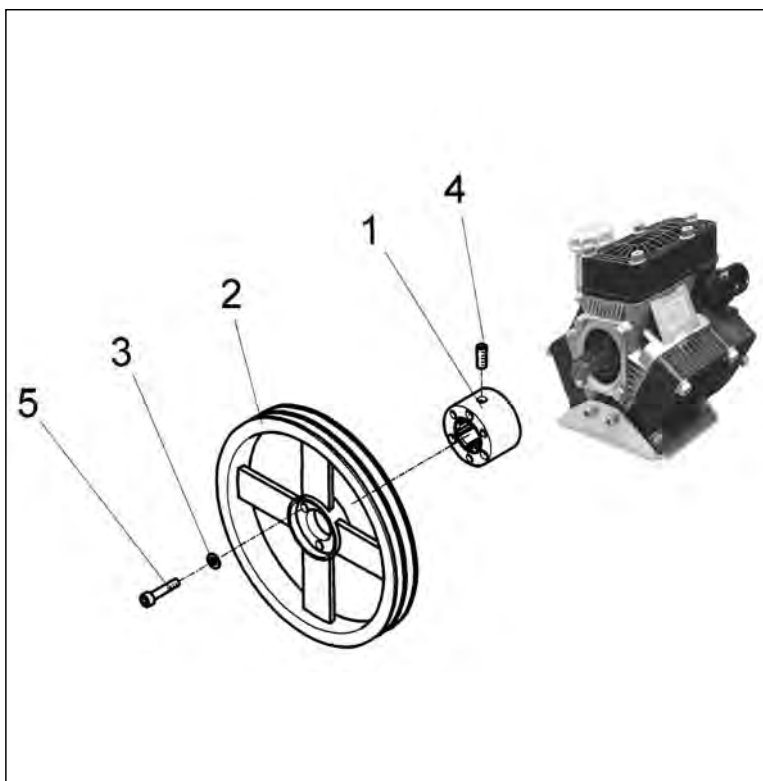


COPPIA DI SERRAGGIO - TORQUE CHART

[illegible]

PULEGGIA 2A 250 (POLY 2073 VS)

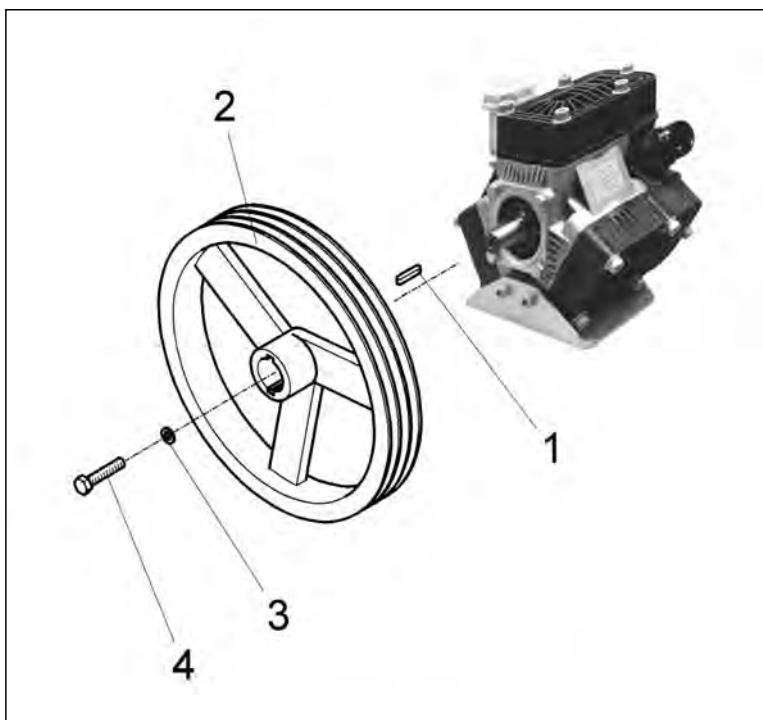
COD. 31.8843.97.3

NOMENCLATURA RICAMBI PULEGGIA 2A 250 (POLY 2073 VS)
ALBERO SCANALATO 1" 3/8

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	31.0932.41.2	1	MOZZO SCANALATO
2	84.0070.00.2	1	PULEGGIA TRAPEZ. D.250X2XA
3	84.3799.00.2	3	ROSETTA ELS D.102 UNI1751
4	86.3120.00.2	1	VITE STEI M10X16 UNI5923
5	86.3328.00.2	3	VITE TE M10X35 UNI5737

PULEGGIA 3 A 310 (POLY 2073 VP)

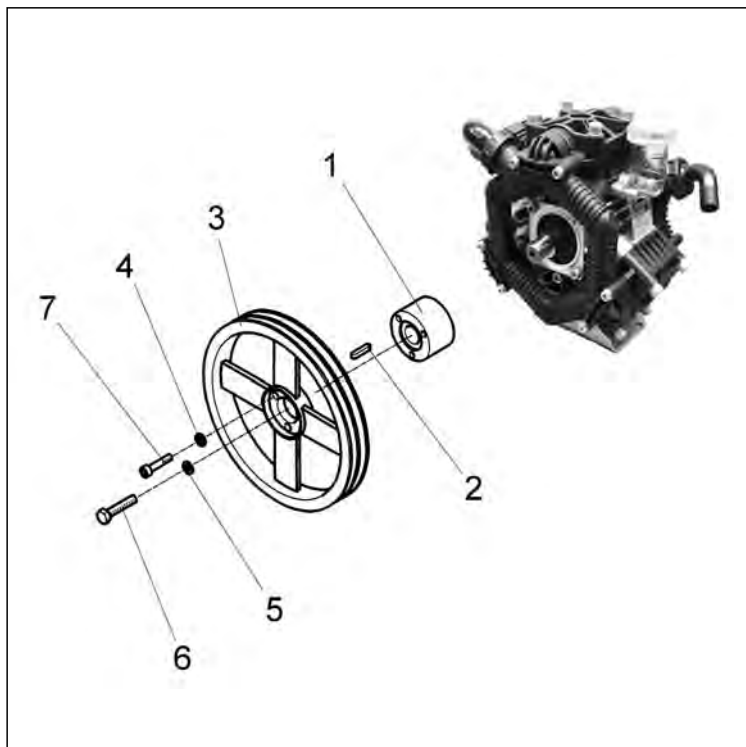
COD. 31.8672.97.3

NOMENCLATURA RICAMBI PULEGGIA 3A 310 (POLY 2073 VP)
ALBERO D. 35

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	80.6538.00.2	1	LINGUETTA 8X7X40
2	84.0096.00.2	1	PULEGGIA 3A-DP310
3	84.3885.00.2	1	ROSETTA D.14X36X3 UNI6593
4	86.3703.00.2	1	VITE TE M12X25 UNI5739

PULEGGIA 2 A 250 (POLY 2116 - 2136 VA)

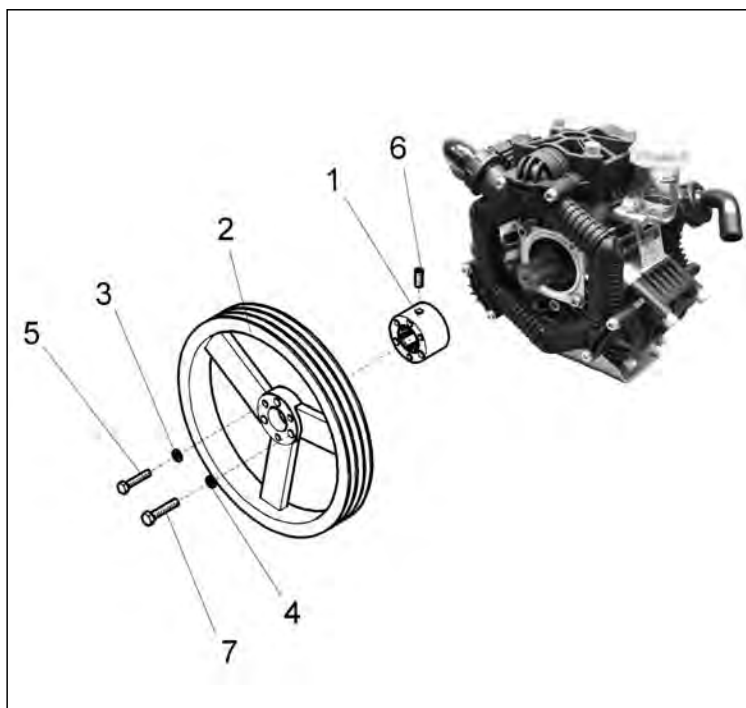
COD. 31.8907.97.3

**NOMENCLATURA RICAMBI PULEGGIA 2A 250
(POLY 2116-2136 VA) ALBERO 1"**

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	31.1560.41.2	1	MOZZO CILINDRICO (ALBERO 1")
2	80.6475.00.2	1	LINGUETTA 6,36X6,36X40
3	84.0070.00.2	1	PULEGGIA TRAPEZ. D.250X2XA
4	84.3667.00.2	3	ROSETTA ELS D.8,2 UNI1751
5	84.3715.00.2	1	ROSETTA D.9X32X3 UNI6593
6	86.2566.00.2	1	VITE TE 5/16"-24UNF 3/4"
7	86.2752.00.2	3	VITE TCEI M8X35 UNI5931

**PULEGGIA 3 A 310 (POLY 2116 - 2136 VS - VD)
(POLY 2180 - 2210 - 2260 - 2300 VD)**

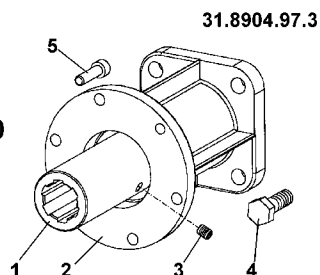
COD. 31.8463.97.3

**NOMENCLATURA RICAMBI PULEGGIA 3A 310
(POLY 2116-2136 VS-VD)
(POLY 2180-2210-2260-2300 VD)
ALBERO SCANALATO 1" 3/8**

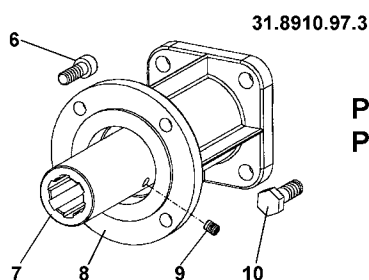
POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	31.0932.41.2	1	MOZZO SCANALATO
2	84.0095.00.2	1	PULEGGIA 3 GOLE A DP310
3	84.3667.00.2	3	ROSETTA ELS D.8,2 UNI1751
4	84.3799.00.2	3	ROSETTA ELS D.10,2 UNI1751
5	86.2741.00.2	3	VITE TE M8X35 UNI5737 ZINCATA
6	86.3120.00.2	1	VITE STEI M10X16 UNI5923 PUN.PIANA
7	86.3328.00.2	3	VITE TE M10X35 UNI5737 ZINCATA

KIT GR. FLANGIA PER MOTORE IDRAULICO DANFOSS OMS

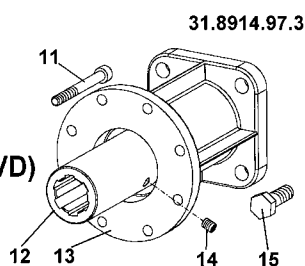
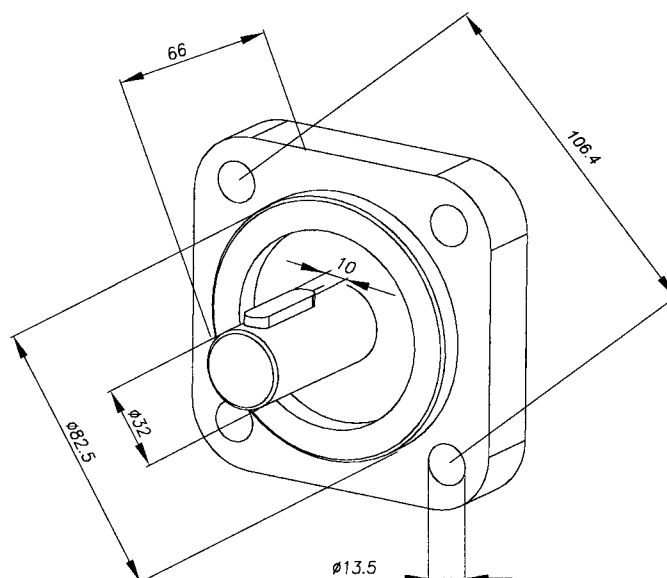
Pumps:
POLY 2180-2210-2250-2260



Pumps:
PA 908-1108 (VD)



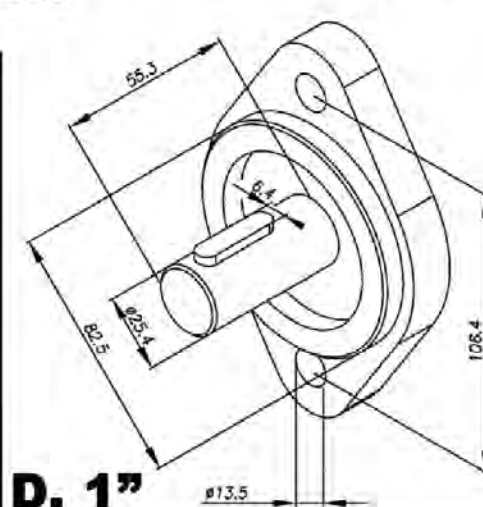
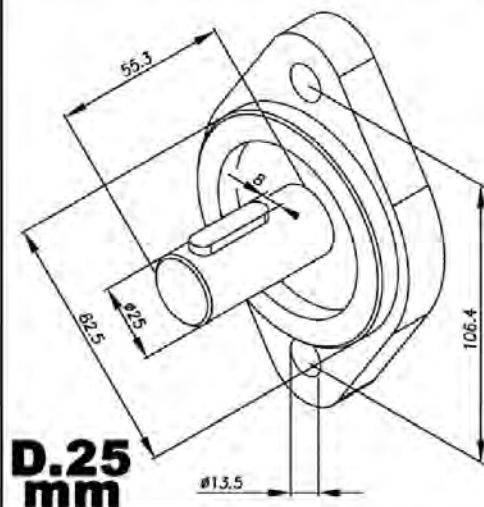
Pumps:
PA 124-154 (VD)
IDB 1100-1400-1600-1800 (VD)

HYDRAULIC MOTOR
DANFOSS: OMS

NOMENCLATURA RICAMBI GR. FLANGE PER MOTORE IDRAULICO DANFOSS OMS

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
	31.8904.97.3		KIT GR. FLANGIA		31.8914.97.3		KIT GR. FLANGIA
1	42.0408.41.2	1	GIUNTO F-F DIA.32-SCAN.1"3/8	11	86.3001.00.2	8	VITE TCEI M8X75 UNI5931
2	42.0407.07.2	1	FLANGIA POLY 2260 - DANFOSS OMS	12	42.0408.41.2	1	GIUNTO F-F DIA.32-SCAN.1"3/8
3	86.2451.00.2	1	VITE STEI M8X10 UNI 5923	13	42.0429.07.2	1	FLANGIA PA 124 - DANFOSS OMS
4	86.3880.00.2	4	VITE TCEI M12X35 UNI 5931	14	86.2451.00.2	1	VITE STEI M8X10 UNI5923
5	86.2752.10.2	6	VITE TCEI M8X35 UNI 5931	15	86.3880.00.2	4	VITE TCEI M12X35 UNI5931
	31.8910.97.3		KIT GR. FLANGIA				
6	86.3300.00.2	4	VITE TCEI M10X30 UNI5931				
7	42.0408.41.2	1	GIUNTO F-F DIA.32-SCAN.1"3/8				
8	42.0428.07.2	1	FLANGIA PA 908 - DANFOSS OMS				
9	86.2451.00.2	1	VITE STEI M8X10 UNI5923				
10	86.3880.00.2	4	VITE TCEI M12X35 UNI5931				

KIT GR. FLANGIA PER MOTORI IDRAULICI DANFOSS OMP-OMR

HYDRAULIC MOTOR DANFOSS: OMP-OMR, FLANGE TIPE "A"
2 HOLES

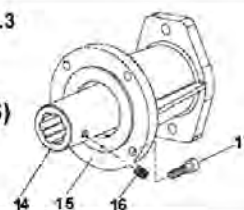
31.8897.97.3

Pumps:
PA 330-430-530-730 (VF-VC)

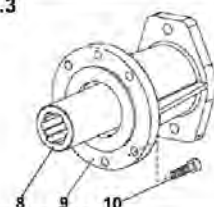
31.8896.97.3

Pumps:
POLY 2073-2116-2136 (VS)

31.8966.97.3

Pumps:
POLY 2073-2116-2136 (VS)

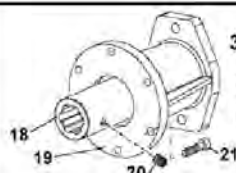
31.8899.97.3

Pumps:
PA 124-154 (VD)

31.8895.97.3

Pumps:
POLY 2180-2210-2250-2260
-2300

31.8967.97.3

Pumps:
POLY 2180-2210-2250-2260
-2300

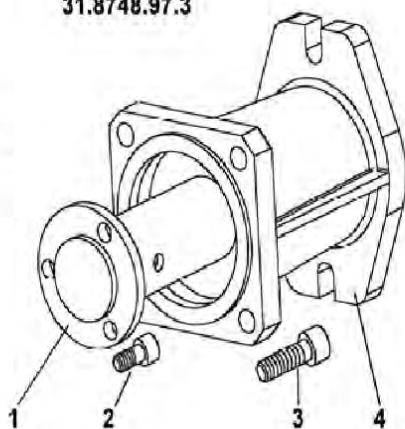
NOMENCLATURA RICAMBI GR. FLANGIA PER MOTORI IDRAULICI DANFOSS OMP-OMR

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
	31.8897.97.3		KIT GR. FLANGIA		31.8895.97.3		KIT GR. FLANGIA
1	31.1529.48.2	1	GIUNTO	11	31.1526.48.2	1	GIUNTO 25-1"38
2	86.2496.00.2	3	VITE TCEI M8X16 UNI5931	12	31.1527.07.2	1	FLANGIA POLY 2210-2250-2260
3	31.1530.07.2	1	FLANGIA PA 330-430-508-530	13	86.2730.00.2	6	VITE TCEI M8X30 UNI5931
4	86.3265.00.2	4	VITE TCEI M 10X25 UNI 5931		31.8966.97.3		KIT GR. FLANGIA
	31.8896.97.3		KIT GR. FLANGIA	14	31.1718.48.2	1	GIUNTO
5	31.1526.48.2	1	GIUNTO 25-1"38	15	31.1528.07.2	1	FLANGIA POLY 2073-2116-2136
6	31.1528.07.2	1	FLANGIA POLY 2073-2116-2136	16	86.2451.00.2	3	VITE STEI M 8X10 UNI 5923
7	86.3300.00.2	4	VITE TCEI M10X30 UNI5931	17	86.3300.00.2	4	VITE TCEI M 10X30 UNI 5931
	31.8895.97.3		KIT GR. FLANGIA		31.8967.97.3		KIT GR. FLANGIA
8	31.1526.48.2	1	GIUNTO 25-1"38	18	31.1718.48.2	1	GIUNTO
9	31.1531.07.2	1	FLANGIA PA 124-154	19	31.1527.07.2	1	FLANGIA POLY 2210-2250-2260
10	86.3001.00.2	6	VITE TCEI M8X75 UNI5931	20	86.2541.00.2	3	VITE STEI M 8X10 UNI 5923
				21	86.2730.00.2	4	VITE TCEI M 8X30 UNI 5931

KIT GR. FLANGIA PER MOTORI IDRAULICI TIPO "B"

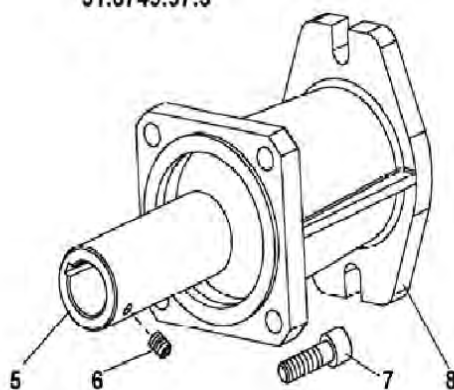
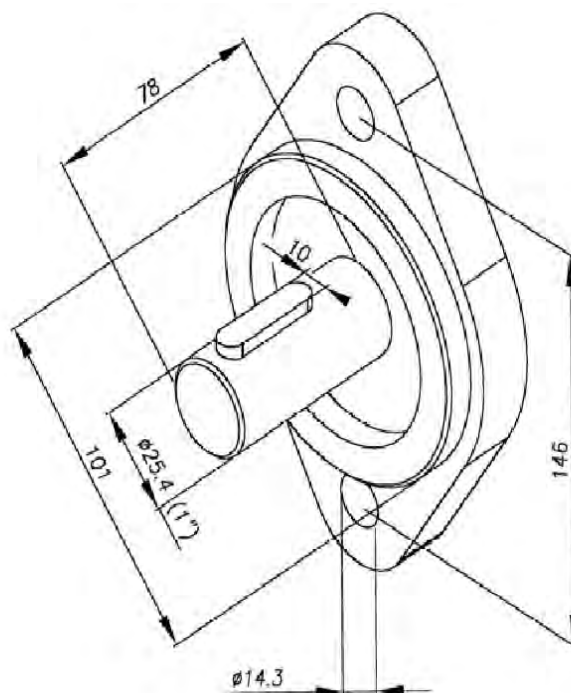
31.8748.97.3

Pumps:
20VF-PA330-430 VF
PA 530-730 VC



31.8749.97.3

Pumps:
POLY 2073 VA

HYDRAULIC MOTORS
FLANGIA TIPO "B" 2 FORI

NOMENCLATURA RICAMBI GR. FLANGIA PER MOTORE IDRAULICO TIPO "B" 2 FORI

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
	31.8748.97.3		KIT GR. FLANGIA		31.8749.97.3		KIT GR. FLANGIA
1	42.0352.42.2	1	GIUNTO DI COLLEG. MOT.IDR.20S-PA408	5	42.0348.41.2	1	GIUNTO DI COLLEGAMENTO POLI 105
2	86.2496.00.2	3	VITE TCEI M8X16 UNI5931	6	86.1950.00.2	1	VITE M8X8 UNI5923
3	86.3254.00.2	4	VITE M10X25 UNI5739 8G	7	86.3254.00.2	4	VITE M10X25 UNI5739
3	86.2301.00.2	4	VITE M6X35 UNI5737 (20 VF)	8	42.0346.07.2	1	FLANGIA ACCOPPIAMENTO PA408-POLI105
3	84.3618.00.2	4	ROSETTA UNI6539 (20 VF)				
4	86.3265.00.2	1	FLANGIA ACCOPPIAMENTO PA408-POLI105				



TRIAL D

Technical drawing of the TRIAL D engine showing side and top views with dimensions.

Side View Dimensions:

- Overall height: 186
- Height to top of cylinder: 115
- Height to top of carburetor: 71
- Height to top of alternator: 195
- Overall width: 415
- Alternator width: 90
- Overall depth: 250

Top View Dimensions:

- Overall width: 173
- Width to center of alternator: 112
- Return line diameter: RETURN $\phi 12$
- Out line diameter: OUT $\phi 8$

Technical drawing of a mechanical part, showing a side view and a top view.

Side View Dimensions:

- Top flange thickness: 1.5 (0.06")
- Distance from top flange to center of shaft: 12 (0.47")
- Shaft diameter: $\phi 12$ (0.47")
- Distance from center of shaft to bottom flange: 26.2 (1.03")
- Bottom flange thickness: 12 (0.47")
- Distance from top flange to center of shaft: 14.7 (0.58")
- Distance from center of shaft to bottom flange: 12 (0.47")

Top View Dimensions:

- Outer diameter: 120
- Inner diameter: 30
- Number of radial slots: 12
- Slot width: 1
- Slot spacing: 13
- Slot angle: 20°
- Slot depth: 12
- Slot width: 1
- Slot spacing: 13
- Slot angle: 20°

Table:

Z	12
M	1
ØP	13
Ø	20°

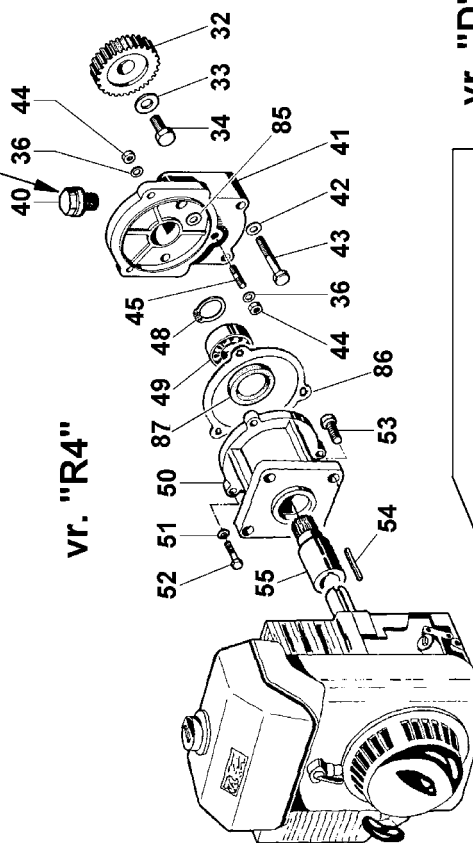
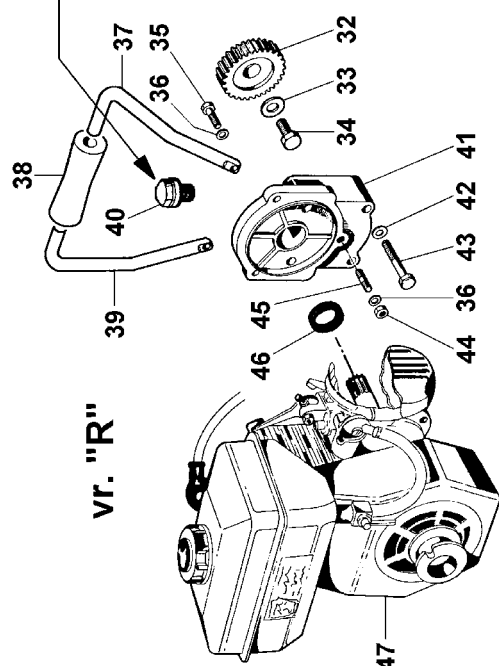
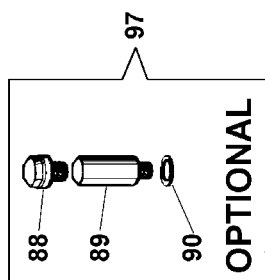
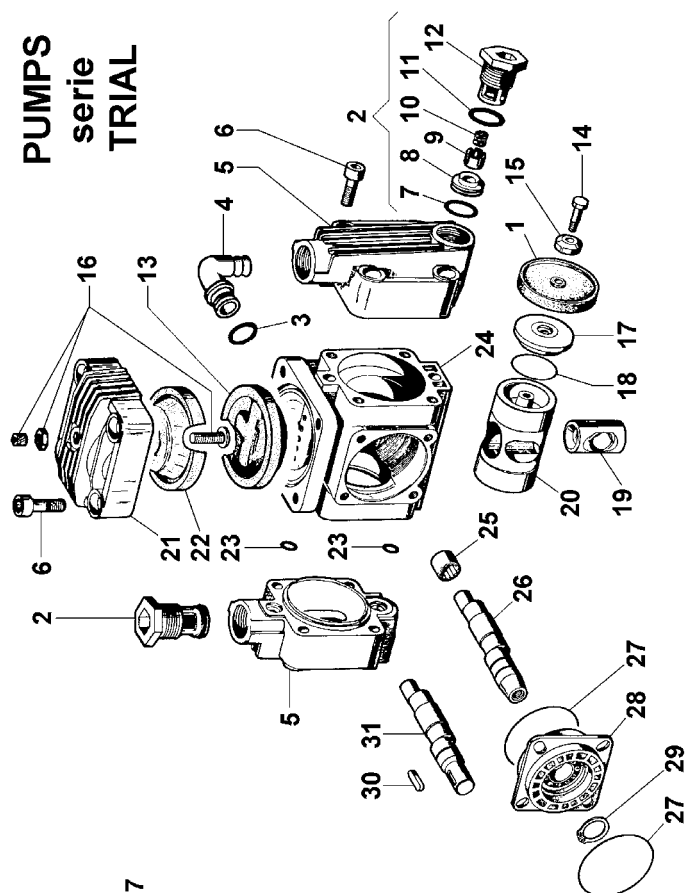
TRIAL R

The technical drawing shows two views of the TRIAL R engine. The left view is a side profile with dimensions: total height 197, intake air filter height 82, main body height 115, base width 410, and mounting bracket width 110. The right view is a front elevation with dimensions: total height 200, main body height 115, base width 134, and overall width 179. It also shows the 'OUT #6' and 'RETURN #12' ports.

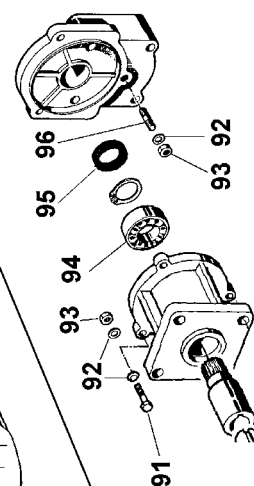
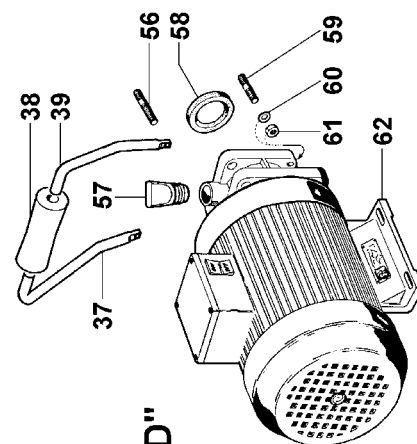
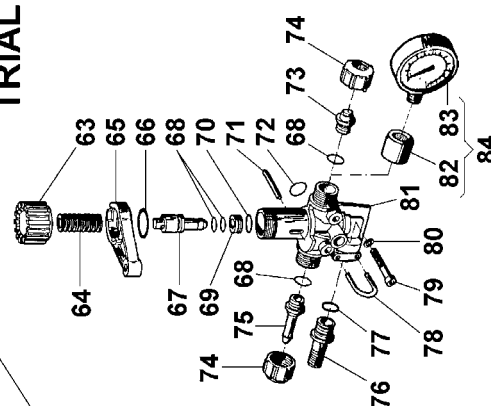
CODICE CODE	Q.TY	N. POS.	TRIAL D/R	
			N.m	Lbr.ft
86.2730.00.2	12	6	22	16.2
11.0008.53.2	2	14	5	3.7
86.1943.90.2	2	79	5	3.7
86.2474.00.2	1	34	22	16.2
86.2282.00.2	2	35	10	7.4
86.2350.00.2	4	43	10	7.4
86.1935.10.2	2	52	10	7.4
81.4545.00.2	3	44	10	7.4
81.4542.00.2	4	61	10	7.4
TOLLERANZA DI SERRAGGIO:			0 → - 10%	
TOLERANCE ON TORQUE VALUE:			0 → - 10%	

KIT	CODICE PART NUMBER	11.9880.97.3						11.9881.97.3								11.9870.97.3		11.9871.97.3												
	DESCRIZIONE DESCRIPTION	KIT POMPA TRIAL D PUMP KIT TRIAL D						KIT POMPA TRIAL R PUMP KIT TRIAL R								VAM VALVES ASSY		MEMBRANE BUNA - N DIAPHRAGMS												
POSIZIONE ESPLOSO POSITION NUMBER		58	18	7	27	23	11	46	18	7	27	23	11	86	87	2		22	13	1	23									
QUANTITÀ NEL KIT QUANTITIES INCLUDED		1	2	4	2	4	4	1	2	4	2	4	4	1	1	4		1	1	2	4									

TRIAL D - TRIAL R - TRIAL RT4



**NPR
TRIAL**





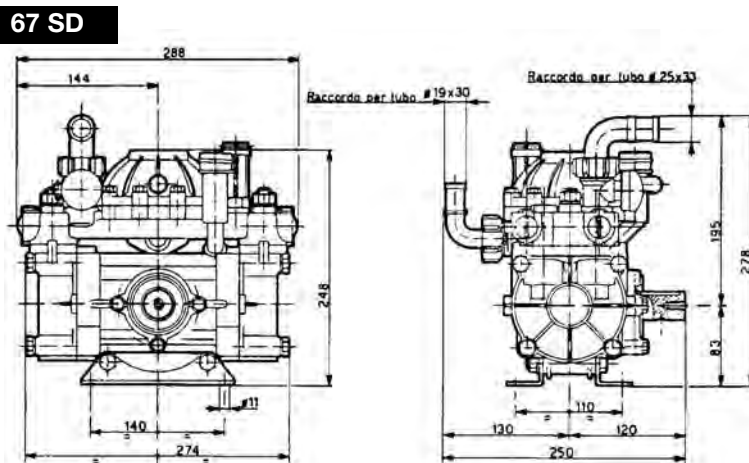
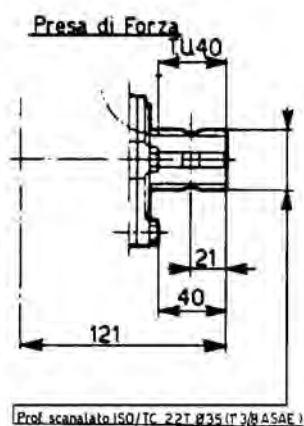
NOMENCLATURA RICAMBI POMPE A MEMBRANA "TRIAL D - TRIAL R - TRIAL RT4"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	12.0040.31.2	2	MEMBRANA PISTONE	69	05.0068.51.2	1	SEDE VALVOLA
2	11.9812.97.3	4	GR. VALVOLA A/M	70	80.3056.00.2	1	ANELLO OR 1,78x8,73
3	80.3090.00.2	1	ANELLO OR 2,0x16	71	85.1045.00.2	1	SPINA CILINDRICA D.3x30
4	84.0510.00.2	1	RACCORDO ASPIRAZIONE D.15	72	80.3088.00.2	1	ANELLO OR 2,0x15
5	11.0102.09.2	2	TESTATA POMPA	73	94.0201.32.2	1	TAPPO
6	86.2730.00.2	12	VITE TCEI M8x30 UNI5931	74	82.0015.00.2	2	GALLETTO G.1/2
7	80.3069.00.2	4	ANELLO OR 1,78x18,77	75	84.1528.00.2	1	RACCORDO MANDATA D.8
8	11.0052.32.2	4	SEDE	76	84.1551.00.2	1	RACCORDO SCARICO D.13
9	11.0051.32.2	4	OTTURATORE VALVOLA A/M	77	80.3178.00.2	1	ANELLO OR 2,62x13,1
10	38.0054.51.2	4	MOLLA VALVOLA A/M	78	94.0206.49.2	1	BAIONETTA
11	80.3199.00.2	4	ANELLO OR 2,62x21,89	79	86.1943.90.2	2	VITE TCEI M5x45 UNI5931
12	11.0054.32.2	4	TAPPO GUIDA VALVOLA A/M	80	84.3542.00.2	2	ROSETTA D.5,3x10x1
13	10.0040.31.2	1	MEMBRANA INFERIORE ACCUMULATORE	81	94.0200.32.2	1	CORPO VALVOLA REGOLAZIONE
14	11.0008.53.2	2	VITE SERRAGGIO MEMBRANA	82	94.0207.32.2	1	MANICOTTO G.1/2-G.1/4
15	11.0009.32.2	2	PIATTELLO SERRAGGIO MEMBRANA	83	83.0010.00.2	1	MANOMETRO
16	86.1608.50.2	1	VALVOLA ARIA COMPLETA	84	94.9849.97.3	1	KIT MANOMETRO NPR TRIAL
17	11.0011.32.2	2	TESTATA PISTONE	85	84.3630.00.2	2	RONDELLA DI TENUTA
18	80.3005.00.2	2	ANELLO OR 1,0x28	86	12.0045.72.2	1	GUARNIZIONE PIANA
19	11.0015.01.2	1	PATTINO	87	80.2116.00.2	1	ANELLO RADIALE 28X40X7
20	11.0010.09.2	1	PISTONE	88	85.2582.00.2	1	TAPPO CON SFIATO
21	11.0004.09.2	1	CALOTTA ACCUMULATORE	89	11.0006.53.2	1	COLONNETTA SERBATOIO
22	10.0041.31.2	1	MEMBRANA SUPERIORE ACCUMULATORE	90	82.4081.00.2	1	GUARNIZIONE
23	80.3088.20.2	4	ANELLO OR 2,0x10	91	86.1935.10.2	2	VITE TE M5x25 UNI5737
24	11.0121.09.2	1	CARTER POMPA	92	84.3542.00.2	5	ROSETTA D.5,3x10x1
25	10.9815.97.3	1	CUSCINETTO PREMONTATO (TRIAL/R)	93	81.4525.00.2	3	DADO M5 UNI5588
25	81.2520.50.2	1	CUSCINETTO RULLINI (TRIAL/D)	94	81.2586.00.2	1	CUSCINETTO SFERE
26	11.0033.42.2	1	ALBERO ECCENTRICO TRIAL/R	95	80.2035.00.2	1	ANELLO RADIALE 15x24x5
27	80.3080.40.2	2	ANELLO OR 1,78x53,7	96	83.8005.00.2	1	PRIGIONIERO M5x14 UNI5914
28	11.9811.97.2	1	SUPPORTO CUSCINETTO PREMONTATO	97	11.9872.97.3	1	KIT TAPPO CON SFIATO
29	80.1135.00.2	1	ANELLO ELASTICO D.17				
30	80.6441.00.2	1	LINGUETTA 5x5x15 (TRIAL/D)				
31	11.0032.42.2	1	ALBERO ECCENTRICO TRIAL/D				
32	11.0017.26.2	1	INGRANAGGIO Z=53				
33	84.3696.00.2	2	ROSETTA D.8,4x18x2				
34	86.2474.00.2	1	VITE TE M8x14 UNI5739				
35	86.2282.00.2	2	VITE TE M6x30 UNI5737				
36	84.3585.00.2	5	ROSETTA D.6				
37	31.1325.61.2	1	SEMIMANICO DESTRO				
38	82.8410.00.2	1	MANOPOLA				
39	31.1324.61.2	1	SEMIMANICO SINISTRO				
40	85.2539.10.2	1	TAPPO CARICO OLIO				
41	11.0012.09.2	1	CARTER RIDUTTORE				
42	84.3585.00.2	4	ROSETTA D.6,4x12,5x1,6				
43	86.2350.00.2	4	VITE TE M6x45 UNI5737				
44	81.4545.00.2	3	DADO M6 UNI5588				
45	83.8012.00.2	1	PRIGIONIERO M6x18 UNI5914				
46	80.2035.00.2	1	ANELLO RADIALE 15X24X5 (FINO 11/03)				
46	80.2038.00.2	1	ANELLO RADIALE 15X25X5 (DA 11/03)				
47	83.2188.30.2	1	MOTORE TERMICO 2T CM46 SPECIALE				
47	83.2100.40.2	1	MOTORE TERMICO 2T OLEOMAC S50 SPECIALE				
48	80.1309.00.2	1	ANELLO ELASTICO D.42 PER FORO				
49	81.2587.00.2	1	CUSCINETTO SFERE				
50	31.1511.09.2	1	FLANGIA TRIAL/RT4				
51	84.3585.00.2	2	ROSETTA D.6				
52	86.1935.10.2	2	VITE TE M6x25 UNI5737				
53	86.2210.00.2	4	VITE TCEI M8x20 UNI5931				
54	80.6445.00.2	1	LINGUETTA 5x5x30				
55	31.1512.42.2	1	PIGNONE X HONDA G100-S				
56	83.8070.00.2	2	PRIGIONIERO M6x30 UNI5911				
57	11.0020.31.2	1	TAPPO CARICO OLIO				
58	80.2093.00.2	1	ANELLO RADIALE				
59	83.8060.00.2	2	PRIGIONIERO M6x25 UNI5911				
60	84.3585.00.2	2	ROSETTA D.6,4x12,5x1,6				
61	81.4542.00.2	4	DADO M6 UNI5588				
62	83.2029.00.2	1	MOTORE EL. MONOFASE SPECIALE				
62	83.2024.50.2	1	MOTORE EL. TRIFASE SPECIALE				
63	94.0203.32.2	1	POMOLO DI REGOLAZIONE				
64	94.0073.48.2	1	MOLLA				
65	94.0202.32.2	1	LEVA SCARICO RAPIDO				
66	80.3199.00.2	1	ANELLO OR 2,62x21,89				
67	94.0204.32.2	1	OTTURATORE				
68	80.3174.00.2	4	ANELLO OR 2,62x9,92				

**IDROMECCANICA®
BERTOLINI**



DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



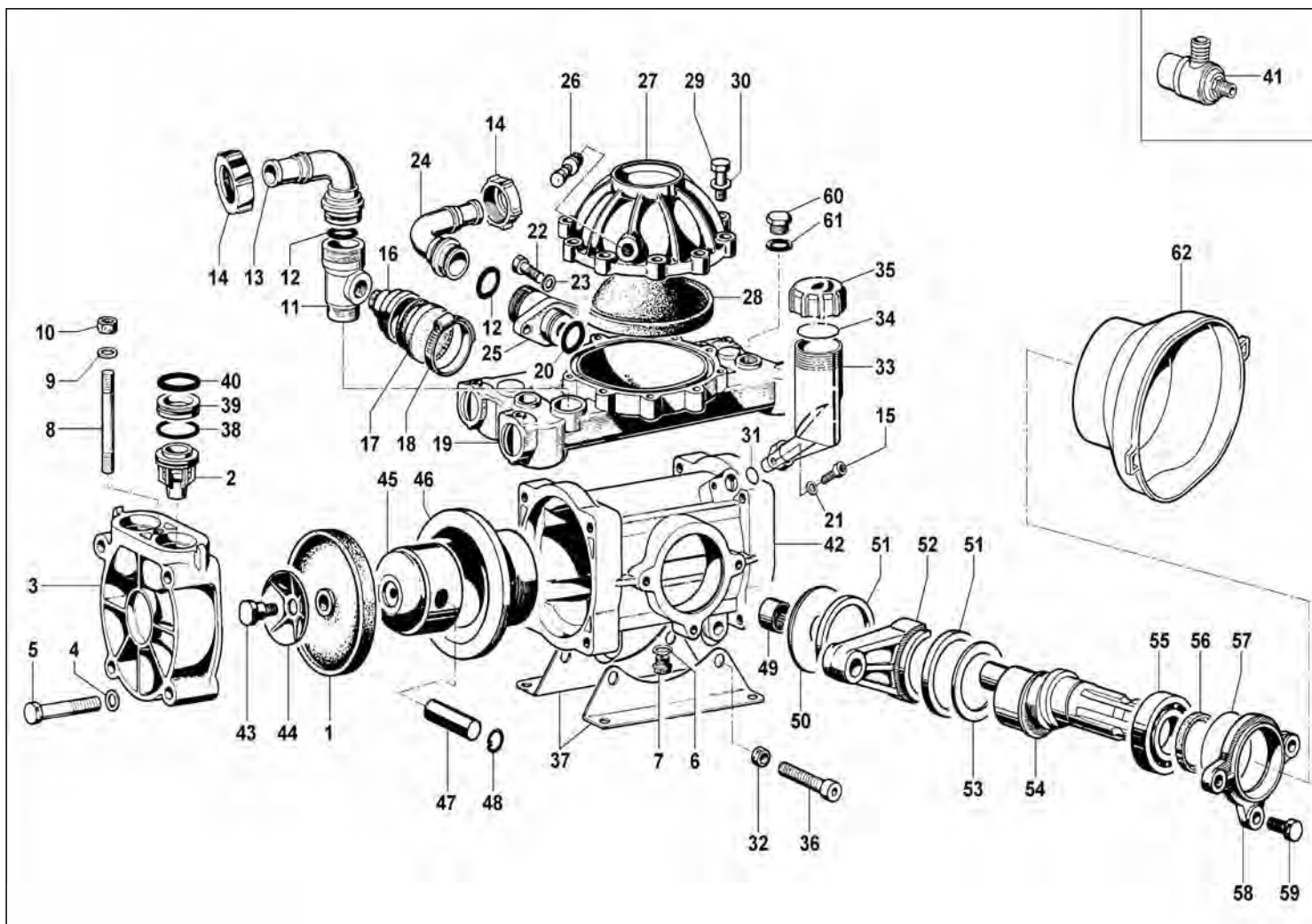
Maintenance instructions for diaphragm pumps Page 11

COPPIA DI SERRAGGIO - TORQUE CHART

CODICE CODE	Q.TY	N. POS.	67 SD	
			N.m	Lbr.ft
81.4694.00.2	2	10	40	29.5
86.1933.00.2	2	15	5	3.7
86.2129.00.2	2	22	10	7.4
86.2555.00.2	3	59	22	16.2
86.2601.00.2	2	43	12	8.9
86.2741.00.2	10	29	22	16.2
86.3566.00.2	8	5	44	32.5
86.3575.00.2	2	36	44	32.5
TOLLERANZA DI SERRAGGIO:			0 → - 10%	
TOLERANCE ON TORQUE VALUE:			0 → - 10%	

KIT	CODICE PART NUMBER	96.9881.97.3				96.9870.97.3			96.9871.97.3			96.9872.97.3					96.9873.97.3					96.9826.97.3								
	DESCRIZIONE DESCRIPTION	KIT POMPA PUMP KIT				VAM VALVES ASSY			VAM INOX VALVES ASSY INOX			MEMBRANE BUNA - N DIAPHRAGMS					MEMBRANE DESMOPAN DIAPHRAGMS					MEMBRANE VITON DIAPHRAGMS								
POSIZIONE ESPLOSO POSITION NUMBER		56	40	57	38	2	40	38	2	40	38	40	38	17	28	1	40	38	17	28	1	40	38	17	28	1				
QUANTITÀ NEL KIT QUANTITIES INCLUDED		1	2	1	4	4	2	4	4	2	4	2	4	1	1	2	2	4	1	1	2	2	4	1	1	2				

67 SD



NOMENCLATURA RICAMBI POMPE A MEMBRANA "67 SD"

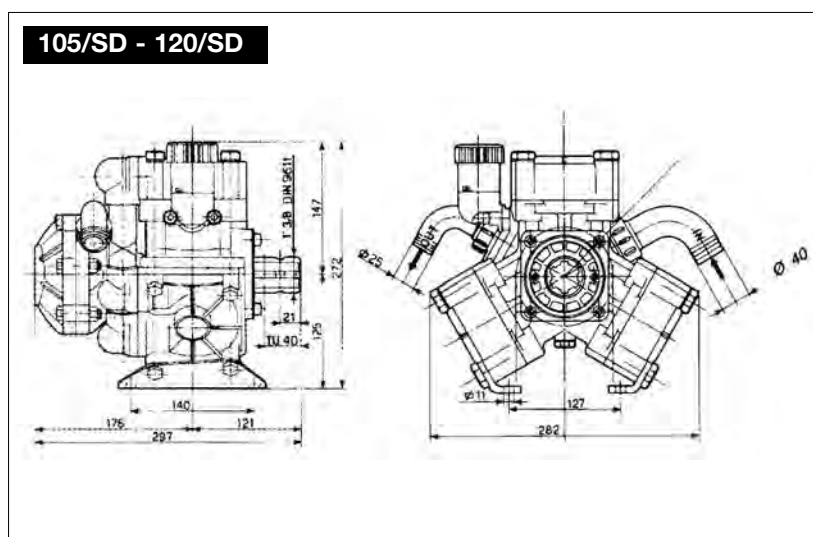
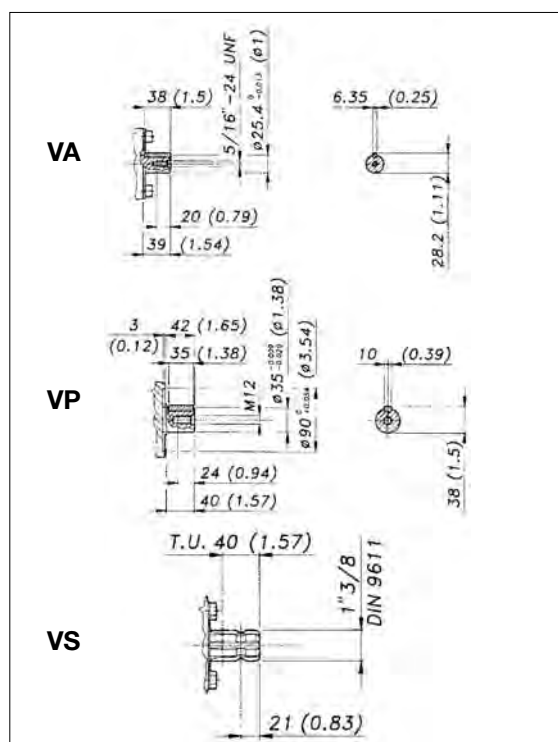
POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	95.0040.31.2	2	MEMBRANA PISTONE	32	81.4648.00.2	2	DADO M10 UNI5587
1	95.0040.33.2	2	MEMBRANA PISTONE VITON	33	96.0103.32.2	1	SERBATOIO OLIO
1	95.0040.00.2	2	MEMBRANA PISTONE DESMOPAN	34	80.3208.20.2	1	ANELLO OR 2,62x34,6
2	95.9821.97.3	4	GR. VALVOLA A/M POLIPROPILENE	35	85.2744.00.2	1	TAPPO SERBATOIO OLIO
2	95.9819.97.3	4	GR. VALVOLA A/M INOX (OPTIONAL)	36	86.3575.00.2	2	VITE TCEI M10x75 UNI5931
3	95.0002.09.2	2	TESTATA	37	93.0024.61.2	2	PIEDINO POMPA
4	84.3801.00.2	8	ROSETTA D.10,5x18x2	38	80.3320.00.2	4	ANELLO OR 5,0x26
5	86.3566.00.2	8	VITE TE M10x70 UNI5737	39	95.0020.32.2	2	DISTANZIALE VALVOLA
6	82.4079.00.2	1	GUARNIZIONE D.13,2x17x1	40	80.3207.00.2	2	ANELLO OR 2,62x29,82
7	85.2543.50.2	1	TAPPO G.1/4	41	24.3015.97.3	1	VALVOLA SICUREZZA 15 BAR (OPTIONAL)
8	83.8662.00.2	2	PRIGIONIERO M12x55 UNI5911	42	96.0101.09.2	1	CARTER POMPA
9	84.3844.00.2	2	ROSETTA D.12,2x21x2,5	43	86.2601.00.2	2	VITE FISSAGGIO MEMBRANA
10	81.4694.00.2	2	DADO M12 UNI5588	44	95.0036.32.2	2	PIATTELLO MEMBRANA
11	19.0015.32.2	1	ATTACCO RACCORDO ASPIRAZIONE	45	95.0010.08.2	1	PISTONE
12	80.3200.00.2	2	ANELLO OR 2,62x22,22	46	95.0006.01.2	2	CAMICIA
13	84.0542.00.2	1	RACCORDO CURVO D.25	47	85.2007.00.2	1	SPINOTTO D.15x54
14	82.0049.00.2	2	GALLETTO M34	48	80.0021.00.2	2	ANELLO PER FORO D.15
15	86.1933.00.2	2	VITE TCEI M5x14 UNI5931	49	81.2609.00.2	1	CUSCINETTO RULLINI
16	93.0019.32.2	1	SOFFIETTO	50	19.0025.41.2	1	DISTANZIALE ALBERO
17	93.0021.31.2	1	MEMBRANA SOFFIETTO	51	93.0047.76.2	2	ANELLO BIELLE
17	93.0021.33.2	1	MEMBRANA SOFFIETTO VITON	52	95.0009.09.2	2	BIELLA SINGOLA
18	81.7522.90.2	1	STRINGITUBO	53	17.0026.76.2	1	DISTANZIALE
19	19.9810.97.3	1	GR.COLLETTORE	54	96.0032.26.2	1	ALBERO ECCENTRICO
20	80.3195.00.2	1	ANELLO OR 2,62x20,24	55	81.2837.00.2	1	CUSCINETTO SFERE
21	84.3542.00.2	2	ROSETTA D.5,3x10x1	56	80.2143.10.2	1	ANELLO RADIALE
22	86.2129.00.2	2	VITE TE M6x18 UNI5739	57	80.3210.20.2	1	ANELLO OR 2,62x60
23	84.3585.00.2	2	ROSETTA D.6,4x12,5x1,6	58	96.0102.07.2	1	COPERCHIO
24	84.0520.00.2	1	RACCORDO CURVO D.14	59	86.2555.00.2	3	VITE TE M8x20 UNI5739
25	96.0044.32.2	1	FLANGIA ATTACCO	60	85.2579.00.2	1	TAPPO G.3/8
26	86.1605.00.2	1	VALVOLA ARIA	61	82.4107.00.2	1	GUARNIZIONE D.16,5x23x1
27	93.0003.09.2	1	ACCUMULATORE SUPERIORE	62	31.1482.32.2	1	CUFFIA DI PROTEZIONE (OPTIONAL)
28	93.0041.31.2	1	MEMBRANA ACCUMULATORE				
28	93.0041.33.2	1	MEMBRANA ACCUMULATORE VITON				
29	86.2741.00.2	10	VITE TE M8x35 UNI5737				
30	84.3685.00.2	10	ROSETTA D.8,2x15x1,5				
31	80.3213.50.2	1	ANELLO OR 3.0x11 NBR				

105/SD - 120/SD



ALBERO POMPA - PUMP SHAFT

DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



Installazione e norme generali di sicurezza
Pag. 2

Installation and general safety information
Page 8

Istruzioni di manutenzione pompe a
membrana Pag. 5

Maintenance instructions for diaphragm
pumps Page 11

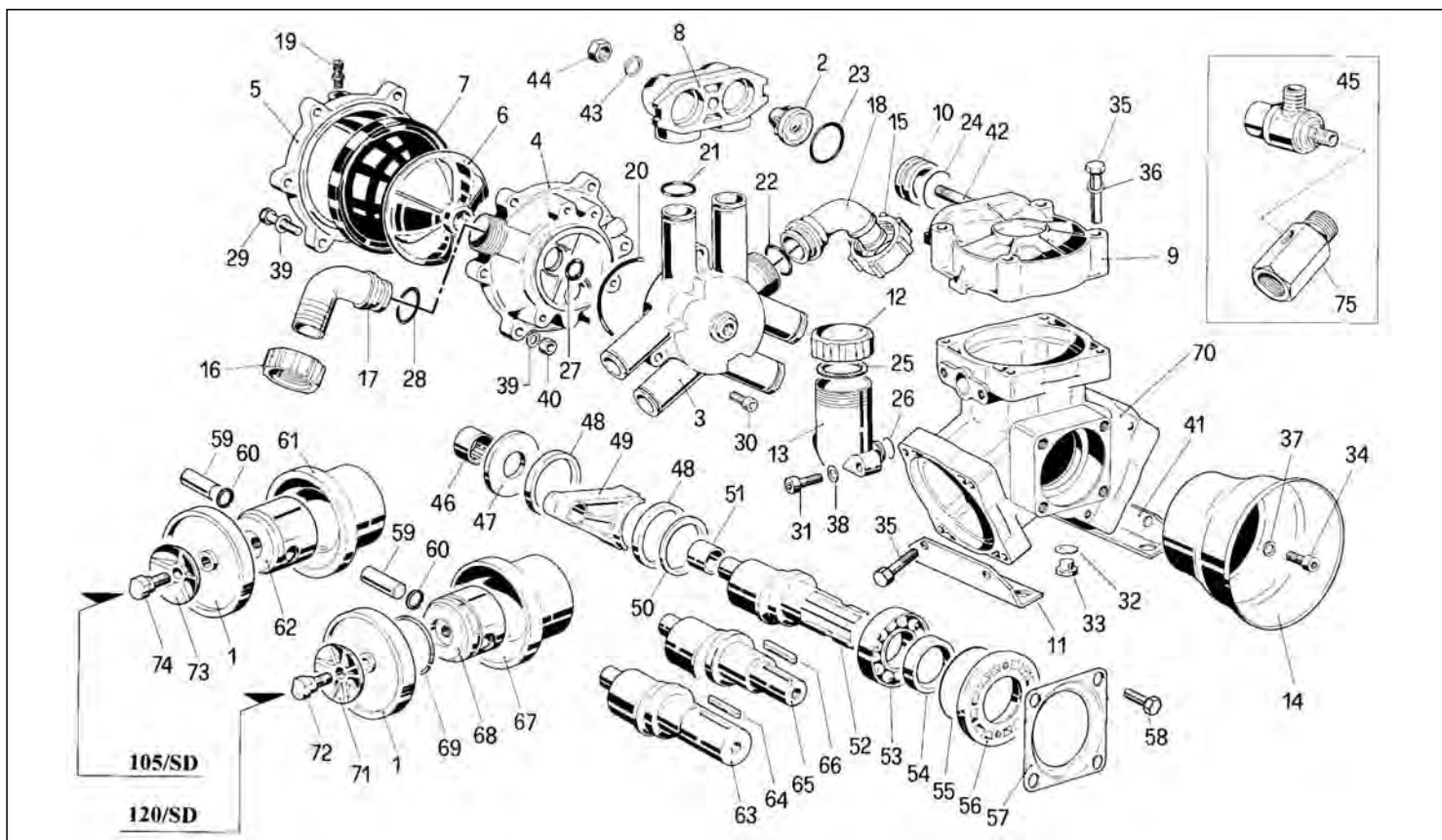
COPPIA DI SERRAGGIO - TORQUE CHART

CODICE CODE	Q.TY	N. POS.	105/SD - 120/SD	
			N.m	Lbr.ft
81.4694.00.2	3	44	40	29.5
86.2601.00.2	3	74	12	8.9
86.2730.50.2	3	30	10	7.4
	2	31		
86.2944.00.2	6	29	10	7.4
86.3185.00.2	4	58	22	16.2
86.3230.00.2	3	72	25	18.5
86.3566.00.2	12	35	44	32.5
TOLLERANZA DI SERRAGGIO:			0 → - 10%	
TOLERANCE ON TORQUE VALUE:			0 → - 10%	

KIT RICAMBI - SPARES KIT 105/SD - 120/SD

KIT	CODICE PART NUMBER	95.9881.97.3							95.9870.97.3			95.9872.97.3			95.9871.97.3				95.9873.97.3				95.9882.97.3										
	DESCRIZIONE DESCRIPTION	KIT POMPA PUMP KIT							VAM VALVE ASSY			VAM - INOX VALVE ASSY INOX			MEMBRANE BUNA - N DIAPHRAGMS				MEMBRANE DESMOPAN DIAPHRAGMS				MEMBRANE VITON DIAPHRAGMS										
POSIZIONE ESPLOSO POSITION NUMBER		54	24	27	21	20	55	23	2	23	24	2	23	24	23	24	1	7	23	24	1	7	24	27	21	20	23	1	7				
QUANTITÀ NEL KIT QUANTITIES INCLUDED		1	6	2	6	1	1	6	6	6	6	6	6	6	6	6	3	1	6	6	3	1	6	2	6	1	6	3	1				

105/SD - 120/SD



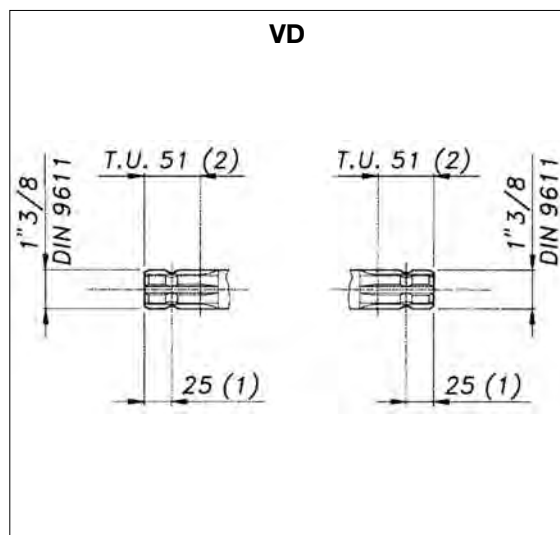
NOMENCLATURA RICAMBI POMPE A MEMBRANA "105/SD - 120/SD"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	95.0040.31.2	3	MEMBRANA PISTONE	36	84.3801.00.2	8	ROSETTA D.10,5x18x2
1	95.0040.33.2	3	MEMBRANA PISTONE VITON	37	84.3812.00.2	4	ROSETTA D.10,5x22x2,5 (OPTIONAL)
1	95.0040.00.2	3	MEMBRANA PISTONE DESMOPAN	38	84.3685.50.2	2	ROSETTA D.8,2x15x1,5
2	95.9821.97.3	6	GR. VALVOLA A/M POLIPROPILENE	39	84.3685.50.2	12	ROSETTA D.8,2x15x1,5
2	95.9819.97.3	6	GR. VALVOLA A/M INOX (OPTIONAL)	40	81.4574.50.2	6	DADO M8 UNI5588
3	95.0190.32.2	1	COLLETTORE	41	33.0024.61.2	1	PIEDINO DESTRO
4	95.0214.32.2	1	ACCUMULATORE INFERIORE	42	83.8662.80.2	3	PRIGIONIERO M12x60
5	95.0003.09.2	1	ACCUMULATORE SUPERIORE	43	84.3844.00.2	3	ROSETTA D.12,2x21x2,5
6	95.0016.32.2	1	PROTEZIONE MEMBRANA	44	81.4694.00.2	3	DADO M12 UNI5588
7	95.0041.31.2	1	MEMBRANA ACCUMULATORE	45	24.3015.97.3	1	VALVOLA SICUREZZA 15 BAR (OPTIONAL)
7	95.0041.33.2	1	MEMBRANA ACCUMULATORE VITON	46	81.2688.00.2	1	CUSCINETTO RULLINI
8	95.0018.09.2	3	PIPETTA	47	95.0097.61.2	1	DISTANZIALE ALBERO
9	95.0002.09.2	3	TESTATA	48	93.0047.76.2	2	ANELLO BIELLE
10	95.0020.32.2	6	DISTANZIALE VALVOLA A/M	49	95.0009.09.2	3	BIELLA SINGOLA
11	33.0023.61.2	1	PIEDINO SINISTRO	50	17.0027.76.2	1	DISTANZIALE BIELLA
12	85.2750.00.2	1	TAPPO SERBATOIO OLIO	51	81.2606.00.2	1	ANELLO INTERNO
13	23.0008.32.2	1	SERBATOIO OLIO	52	95.0098.26.2	1	ALBERO ECCENTRICO "VS"
14	31.1110.32.2	1	CUFFIA DI PROTEZIONE (OPTIONAL)	53	81.2846.00.2	1	CUSCINETTO SFERE
15	82.0070.00.2	1	GALLETTO G.1"1/2	54	80.2143.10.2	1	ANELLO RADIALE
16	82.0045.00.2	1	GALLETTO G.1	55	80.3310.00.2	1	ANELLO OR 4,0x82
17	84.0542.00.2	1	RACCORDO CURVO D.25	56	53.0007.32.2	1	SUPPORTO ANELLO DI TENUTA
17	84.0520.00.2	1	RACCORDO CURVO D.19 (OPTIONAL)	57	17.0013.61.2	1	COPERCHIO
18	84.0591.00.2	1	RACCORDO CURVO D.40	58	86.3185.00.2	4	VITE TE M10x16 UNI5739
18	84.0561.00.2	1	RACCORDO CURVO D.30 (OPTIONAL)	59	85.2007.00.2	3	SPINOTTO D.15x54
18	84.0566.00.2	1	RACCORDO CURVO D.32 (OPTIONAL)	60	80.0021.00.2	6	ANELLO PER FORO D.15
18	84.0570.00.2	1	RACCORDO CURVO D.35 (OPTIONAL)	61	95.0006.01.2	3	CAMICIA (105/SD)
18	84.0571.00.2	1	RACCORDO CURVO D.38 (OPTIONAL)	62	95.0010.08.2	3	PISTONE (105/SD)
19	86.1605.00.2	1	VALVOLA ARIA	63	95.0099.26.2	1	ALBERO ECCENTRICO "VP"
20	80.3221.00.2	1	ANELLO OR 3,0x71	64	80.6578.00.2	1	LINGUETTA 10x8x35 "VP"
21	80.3218.00.2	6	ANELLO OR 3,0x22	65	95.0095.26.2	1	ALBERO ECCENTRICO "VA"
22	80.3219.10.2	1	ANELLO OR 3,0x30	66	80.6475.00.2	1	LINGUETTA 6,36x6,36x40 "VA"
23	80.3320.00.2	6	ANELLO OR 5,0x26	67	95.0102.01.2	3	CAMICIA (120/SD)
24	80.3207.00.2	6	ANELLO OR 2,62x29,82	68	95.0101.09.2	3	PISTONE (120/SD)
25	82.4120.00.2	1	GUARNIZIONE D.45	69	81.8530.00.2	3	FASCIA ELASTICA D.72 (120/SD)
26	80.3180.00.2	1	ANELLO OR 2,62x15,08	70	95.0100.09.2	1	CARTER POMPA
27	80.3217.50.2	2	ANELLO OR 3,0x19	71	28.0036.32.2	3	PIATTELLO MEMBRANA (120/SD)
28	80.3200.00.2	1	ANELLO OR 2,62x22,22	72	86.3230.00.2	3	VITE FISSAGGIO MEMBRANA (120/SD)
29	86.2944.00.2	6	VITE TE M8x60 UNI5737	73	95.0036.32.2	3	PIATTELLO MEMBRANA (105/SD)
30	86.2730.50.2	3	VITE TCEI M8x30 UNI5931	74	86.2601.00.2	3	VITE FISSAGGIO MEMBRANA (105/SD)
31	86.2730.50.2	2	VITE TCEI M8x30 UNI5931	75	95.0072.54.2	1	RACCORDO X VALVOLA SIC. (OPTIONAL)
32	82.4079.00.2	1	GUARNIZIONE D.13,2x17x1				
33	85.2543.50.2	1	TAPPO G.1/4				
34	86.3187.50.2	4	VITE M10x18 UNI5931 (OPTIONAL)				
35	86.3566.00.2	12	VITE TE M10x70 UNI5737				

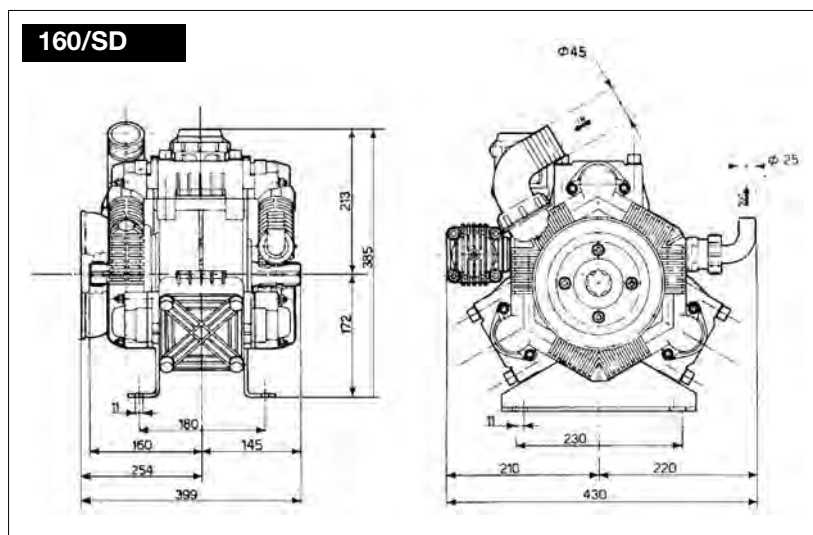
160/SD



ALBERO POMPA - PUMP SHAFT



DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



Installazione e norme generali di sicurezza
Pag. 2

Installation and general safety information
Page 8

Istruzioni di manutenzione pompe a
membrana Pag. 5

Maintenance instructions for diaphragm
pumps Page 11

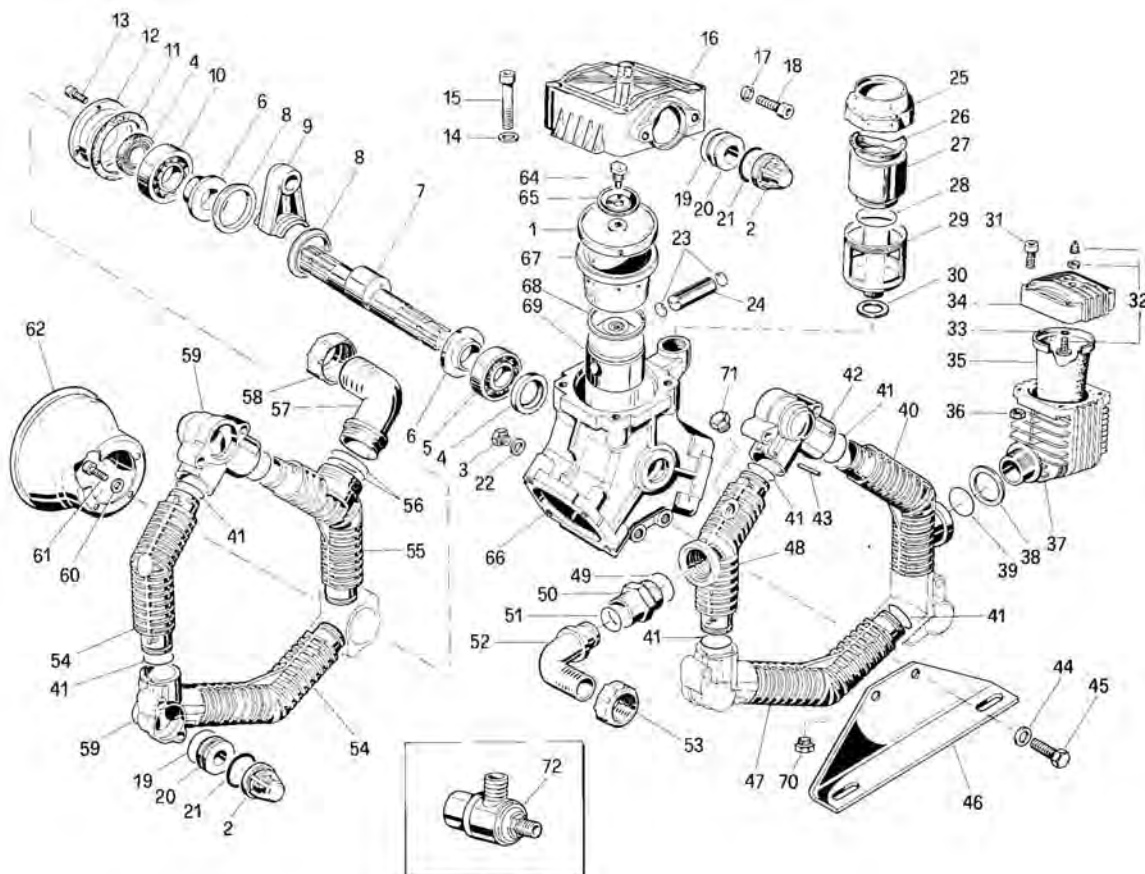
COPPIA DI SERRAGGIO - TORQUE CHART

CODICE CODE	Q.TY	N. POS.	160/SD	
			N.m	Lbr.ft
28.0037.51.2	3	64	12	8.9
86.2562.50.2	4	13	22	16.2
86.2752.10.2	4	31	10	7.4
81.2860.00.2	12	18	10	7.4
86.3740.50.2	4	45	68	50.2
86.3988.00.2	12	15	68	50.2
TOLLERANZA DI SERRAGGIO:			0 → - 10%	
TOLERANCE ON TORQUE VALUE:			0 → - 10%	

KIT RICAMBI - SPARES KIT 160/SD

KIT	CODICE PART NUMBER		27.9880.97.3					27.9870.97.3			27.9872.97.3			27.9871.97.3				27.9873.97.3				27.9820.97.3											
	DESCRIZIONE DESCRIPTION		KIT POMPA PUMP KIT					VAM VALVES ASSY			VAM - INOX VALVES ASSY			MEMBRANE BUNA - N DIAPHRAGMS				MEMBRANE DESMOPAN DIAPHRAGMS				MEMBRANE VITON DIAPHRAGMS											
POSIZIONE ESPLOSO POSITION NUMBER			4	19	21	11	41	2	21	19	2	21	19	1	35	19	21	1	35	19	21	1	35	19	21	41							
QUANTITÀ NEL KIT QUANTITIES INCLUDED			2	6	6	1	12	6	6	6	6	6	6	3	1	6	6	3	1	6	6	3	1	6	6	3	1	6	6	12			

160/SD



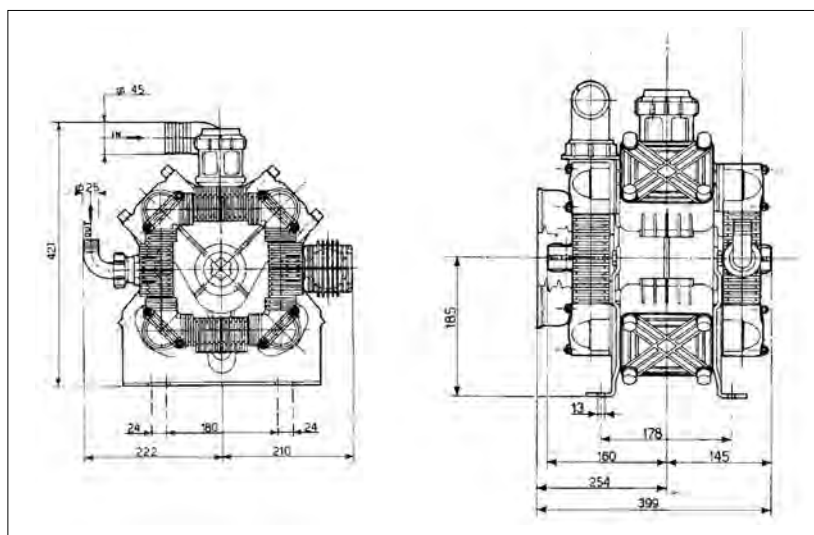
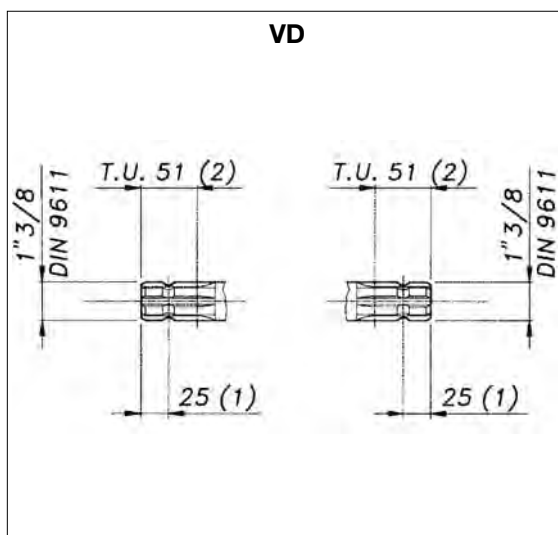
NOMENCLATURA RICAMBI POMPE A MEMBRANA "160/SD"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	28.0040.31.2	3	MEMBRANA PISTONE	39	80.3247.50.2	1	ANELLO OR 3,53x28,17
1	28.0040.33.2	3	MEMBRANA PISTONE VITON	40	27.0038.32.2	1	TUBO COLLETTORE G.1 F. + G.3/8 F.
1	28.0040.00.2	3	MEMBRANA PISTONE DESMOPAN	41	80.3219.20.2	12	ANELLO OR 3,0x35
2	28.9809.97.3	6	GR. VALVOLA A/M INOX	42	27.0036.32.2	3	RACCORDO DI COLLEGAMENTO MANDATA
2	63.9800.97.3	6	GR. VALVOLA A/M POLIPROPILENE (OPTIONAL)	43	85.1159.00.2	6	SPINA ELASTICA D.4x40
3	86.3694.50.2	1	VITE TCEI M12x20 UNI5931	44	84.3844.50.2	4	ROSETTA D.12,2x21x2,5
4	80.2143.10.2	2	ANELLO RADIALE	45	86.3740.50.2	4	VITE TE M12x30 UNI5739
5	81.2846.00.2	1	CUSCINETTO SFERE	46	27.0022.61.2	2	PIEDINO
6	28.0027.09.2	2	DISTANZIALE ALBERO ECCENTRICO	47	27.0039.32.2	1	TUBO COLLETTORE G.1/4 F.
7	28.0097.26.2	1	ALBERO ECCENTRICO	48	27.0034.32.2	1	TUBO COLLETTORE G.1 F.
8	98.0047.76.2	2	ANELLO BIELLE	49	80.3207.00.2	1	ANELLO OR 2,62x29,82
9	28.0007.11.2	3	BIELLA SINGOLA IN BRONZO	50	83.5089.00.2	1	NIPPOLO G.1 - G.1"1/4
10	81.2867.00.2	1	CUSCINETTO SFERE	51	80.3219.00.2	1	ANELLO OR 3,0x25
11	98.0110.72.2	1	GUARNIZIONE COPERCHIO POSTERIORE	52	84.0542.40.2	1	RACCORDO CURVO D.25
12	98.0108.09.2	1	COPERCHIO	52	84.0560.00.2	1	RACCORDO CURVO D.30 (OPTIONAL)
13	86.2562.50.2	4	VITE TCEI M8x20 UNI5931	52	84.0565.00.2	1	RACCORDO CURVO D.32 (OPTIONAL)
14	84.3844.50.2	12	ROSETTA D.12,2x21x2,5	53	82.0067.50.2	1	GALLETTO G.1"1/4
15	86.3988.00.2	12	VITE TCEI M12x60 UNI5931	54	27.0032.32.2	2	TUBO COLLETTORE A/M
16	28.0002.09.2	3	TESTATA ALLUMINIO	55	27.0033.32.2	1	TUBO COLLETTORE G.2 M.
17	84.3685.50.2	12	ROSETTA D.8,2x15x1,5	56	80.3209.10.2	2	ANELLO OR 2,62x40,95
18	86.2860.00.2	12	VITE TCEI M8x45 UNI5931	57	84.0596.00.2	1	RACCORDO CURVO D.45
19	80.3209.40.2	6	ANELLO OR 2,62x44,12	57	84.0590.00.2	1	RACCORDO CURVO D.40 (OPTIONAL)
20	28.0029.32.2	6	DISTANZIALE VALVOLE A/M	57	84.0610.00.2	1	RACCORDO CURVO D.50 (OPTIONAL)
21	80.3314.00.2	6	ANELLO OR 4,5x40	58	82.0120.00.2	1	GALLETTO G.2
22	82.4079.00.2	1	GUARNIZIONE D.13,2x17x1	59	14.0004.32.2	3	RACCORDO DI COLLEGAMENTO
23	80.0038.00.2	6	ANELLO D.18 PER FORO	60	84.3710.00.2	4	ROSETTA D.9x24x2 (OPTIONAL)
24	85.2027.00.2	3	SPINOTTO D.18x70	61	86.2682.50.2	4	VITE TCEI M8x25 UNI5931 (OPTIONAL)
25	28.0144.32.2	1	COPERCHIO SERBATOIO OLIO	62	31.1482.32.2	1	CUFFIA DI PROTEZIONE (OPTIONAL)
26	41.0017.31.2	1	MEMBRANA SERBATOIO OLIO	64	28.0037.51.2	3	VITE FISSAGGIO MEMBRANA
27	41.0016.32.2	1	SERBATOIO OLIO	65	28.0036.32.2	3	PIATTELLO MEMBRANA
28	80.3209.40.2	1	ANELLO OR 2,62x44,12	66	27.0003.07.2	1	CARTER POMPA
29	41.0015.09.0	1	CORPO SERBATOIO OLIO	67	28.0006.01.2	3	CAMICIA
30	82.4191.00.2	1	GUARNIZIONE D.27x38x2	68	81.8540.00.2	3	FASCIA ELASTICA
31	86.2752.10.2	4	VITE TCEI M8x35 UNI5931	69	28.0010.08.2	3	PISTONE
32	86.1608.50.2	1	VALVOLA ARIA COMPLETA	70	85.2539.00.2	1	TAPPO G.1/4
33	80.3213.00.2	1	ANELLO OR 3,0x6	71	85.2576.00.2	1	TAPPO G.3/8
34	11.0004.09.2	1	CALOTTA ACCUMULATORE	72	24.3015.97.3	1	VALVOLA SICUREZZA 15 BAR (OPTIONAL)
35	23.0041.31.2	1	MEMBRANA ACCUMULATORE				
35	23.0041.33.2	1	MEMBRANA ACCUMULATORE VITON				
36	81.4574.50.2	4	DADO M8 UNI5588				
37	27.0035.32.2	1	CORPO ACCUMULATORE				
38	27.0037.46.2	1	DISTANZIALE ACCUMULATORE				

**IDROMECCANICA[®]
BERTOLINI**



DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS

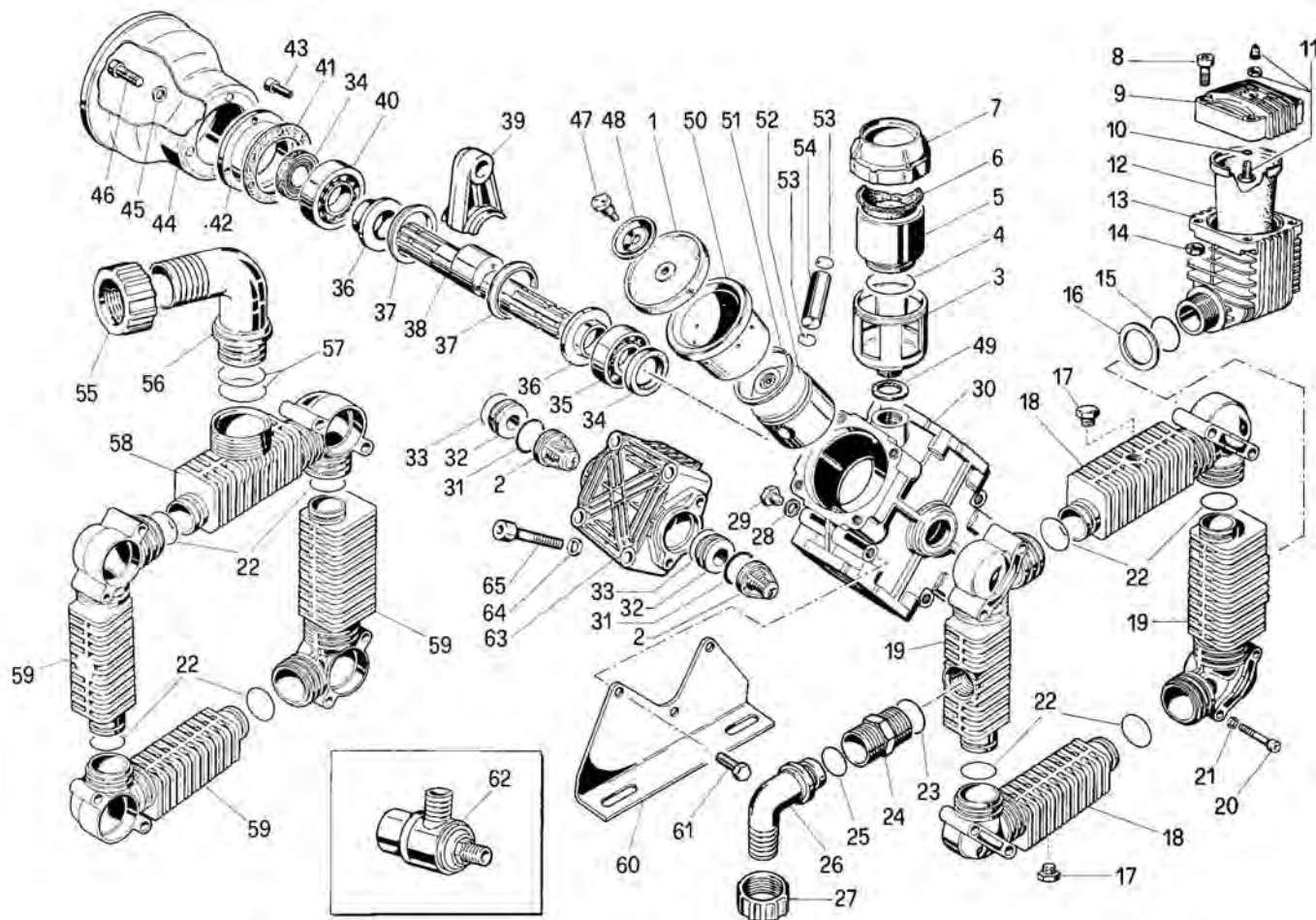


Maintenance instructions for diaphragm pumps Page 11

CODICE CODE	Q.TY	N. POS.	210/SD	
			N.m	Lbr.ft
28.0037.51.2	4	47	12	8.9
86.2562.50.2	4	43	22	16.2
86.2752.10.2	4	8	10	7.4
86.2960.00.2	16	20	10	7.4
86.3277.00.2	6	61	44	32.5
86.3988.00.2	16	65	68	50.2
TOLLERANZA DI SERRAGGIO:			0 → - 10%	
TOLERANCE ON TORQUE VALUE:			0 → - 10%	

KIT	CODICE PART NUMBER	28.9880.97.3					28.9870.97.3			28.9872.97.3			28.9871.97.3				28.9873.97.3				28.9828.97.3													
	DESCRIZIONE DESCRIPTION	KIT POMPA PUMP KIT					VAM VALVES ASSY			VAM - INOX VALVES ASSY			MEMBRANE BUNA - N DIAPHRAGMS				MEMBRANE DESMOPAN DIAPHRAGMS				MEMBRANE VITON DIAPHRAGMS													
POSIZIONE ESPLOSO POSITION NUMBER		34	33	31	22	41	2	31	33	2	31	33	12	1	31	33	12	1	31	33	12	1	31	33	22									
QUANTITÀ NEL KIT QUANTITIES INCLUDED		2	8	8	8	1	8	8	8	8	8	8	1	4	8	8	1	4	8	8	1	4	8	8	8									

210 SD



NOMENCLATURA RICAMBI POMPE A MEMBRANA "210 SD"

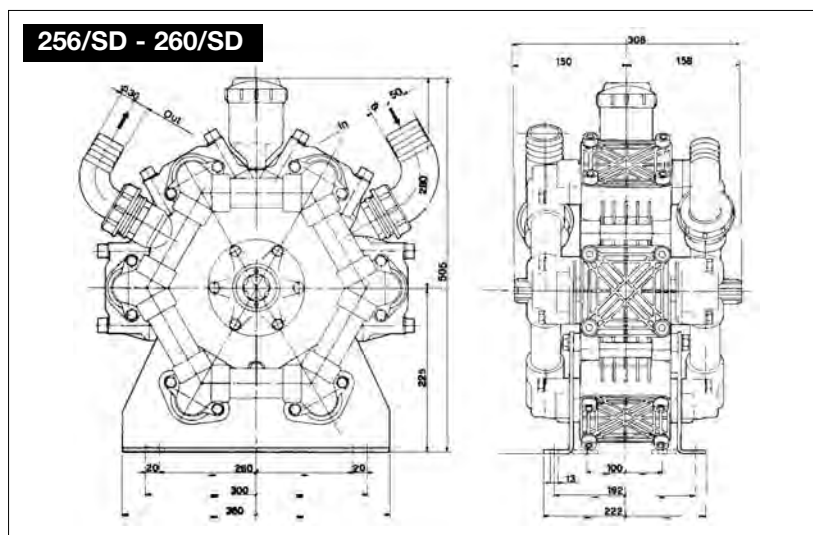
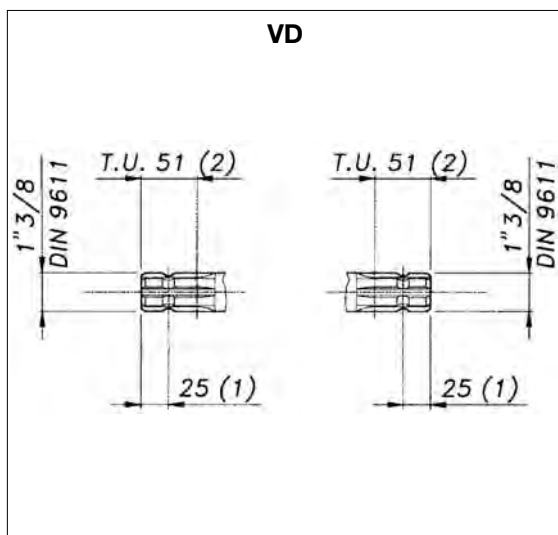
POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	28.0040.31.2	4	MEMBRANA PISTONE	33	80.3209.40.2	8	ANELLO OR 2,62x44,12
1	28.0040.33.2	4	MEMBRANA PISTONE VITON	34	80.2143.10.2	2	ANELLO RADIALE
1	28.0040.00.2	4	MEMBRANA PISTONE DESMOPAN	35	81.2846.00.2	1	CUSCINETTO SFERE
2	28.9809.97.3	8	GR. VALVOLA A/M INOX	36	28.0027.09.2	2	DISTANZIALE ALBERO ECCENTRICO
2	63.9800.97.3	8	GR. VALVOLA A/M POLIPROPILENE (OPTIONAL)	37	98.0047.76.2	2	ANELLO BIELLE
3	41.0015.09.0	1	CORPO SERBATOIO OLIO	38	28.0097.26.2	1	ALBERO ECCENTRICO
4	80.3209.40.2	1	ANELLO OR 2,62x44,12	39	28.0007.11.2	4	BIELLA SINGOLA IN BRONZO
5	41.0016.32.2	1	SERBATOIO OLIO	40	81.2867.00.2	1	CUSCINETTO SFERE
6	41.0017.31.2	1	MEMBRANA SERBATOIO OLIO	41	98.0110.72.2	1	GUARNIZIONE COPERCHIO
7	28.0144.32.2	1	COPERCHIO SERBATOIO OLIO	42	98.0108.09.2	1	COPERCHIO POSTERIORE
8	86.2752.10.2	4	VITE TCEI M8x35 UNI5931	43	86.2562.50.2	4	VITE TCEI M8x20 UNI5931
9	11.0004.09.2	1	CALOTTA ACCUMULATORE	44	31.1482.32.2	1	CUFFIA DI PROTEZIONE (OPTIONAL)
10	80.3213.00.2	1	ANELLO OR 3,0x6	45	84.3710.00.2	4	ROSETTA D.9x24x2 (OPTIONAL)
11	86.1608.50.2	1	VALVOLA ARIA COMPLETA	46	86.2682.50.2	4	VITE TCEI M8x25 UNI5931 (OPTIONAL)
12	23.0041.31.2	1	MEMBRANA ACCUMULATORE	47	28.0037.51.2	4	VITE FISSAGGIO MEMBRANA
12	23.0041.33.2	1	MEMBRANA ACCUMULATORE VITON	48	28.0036.32.2	4	PIATTELLO MEMBRANA
13	27.0035.32.2	1	CORPO ACCUMULATORE	49	82.4191.00.2	1	GUARNIZIONE D.27x38x2
14	81.4574.50.2	4	DADO M8 UNI5588	50	28.0006.01.2	4	CAMICIA
15	80.3247.50.2	1	ANELLO OR 3,53x28,17	51	81.8540.00.2	4	FASCIA ELASTICA
16	27.0037.46.2	1	DISTANZIALE ACCUMULATORE	52	28.0010.08.2	4	PISTONE
17	85.2576.00.2	2	TAPPO G.3/8	53	80.0038.00.2	8	ANELLO D.18 PER FORO
18	28.0074.32.2	2	TUBO COLLETTORE G.3/8 F.	54	85.2027.00.2	4	SPINOTTO D.18x70
19	28.0071.32.2	2	TUBO COLLETTORE G.1 F.	55	82.0120.00.2	1	GALLETTO G.2
20	86.2960.00.2	16	VITE TCEI M8x65 UNI5931	56	84.0596.00.2	1	RACCORDO CURVO D.45
21	84.3685.50.2	16	ROSETTA D.8,2x15x1,5	56	84.0590.00.2	1	RACCORDO CURVO D.40 (OPTIONAL)
22	80.3250.00.2	8	ANELLO OR 3,53x31,34	56	84.0610.00.2	1	RACCORDO CURVO D.50 (OPTIONAL)
23	80.3207.00.2	1	ANELLO OR 2,62x29,82	57	80.3209.10.2	2	ANELLO OR 2,62x40,95
24	83.5089.00.2	1	"NIPPLE G.1 - G.1"1/4	58	28.0072.32.2	1	TUBO COLLETTORE G.2 M.
25	80.3219.00.2	1	ANELLO OR 3,0x25	59	28.0070.32.2	3	TUBO COLLETTORE A/M
26	84.0542.40.2	1	RACCORDO CURVO D.25	60	28.0021.61.2	2	PIEDINO POMPA
26	84.0560.00.2	1	RACCORDO CURVO D.30 (OPTIONAL)	61	86.3277.00.2	6	VITE TE M10x30 UNI5739
26	84.0565.00.2	1	RACCORDO CURVO D.32 (OPTIONAL)	62	24.3015.97.3	1	VALVOLA SICUREZZA 15 BAR (OPTIONAL)
27	82.0067.50.2	1	GALLETTO G.1"1/4	63	28.0002.09.2	4	TESTATA ALLUMINIO
28	82.4079.00.2	1	GUARNIZIONE D.13,2x17x1	64	84.3844.50.2	16	ROSETTA D.12,2x21x2,5
29	85.2542.50.2	1	TAPPO G.1/4	65	86.3988.00.2	16	VITE TCEI M12x60 UNI5931
30	28.0003.07.2	1	CARTER POMPA				
31	80.3314.00.2	8	ANELLO OR 4,5x40				
32	28.0029.32.2	8	DISTANZIALE VALVOLE A/M				

256/SD - 260/SD



ALBERO POMPA - PUMP SHAFT

DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



Installazione e norme generali di sicurezza
 Pag. 2

Installation and general safety information
 Page 8

Istruzioni di manutenzione pompe a
 membrana Pag. 5

Maintenance instructions for diaphragm
 pumps Page 11

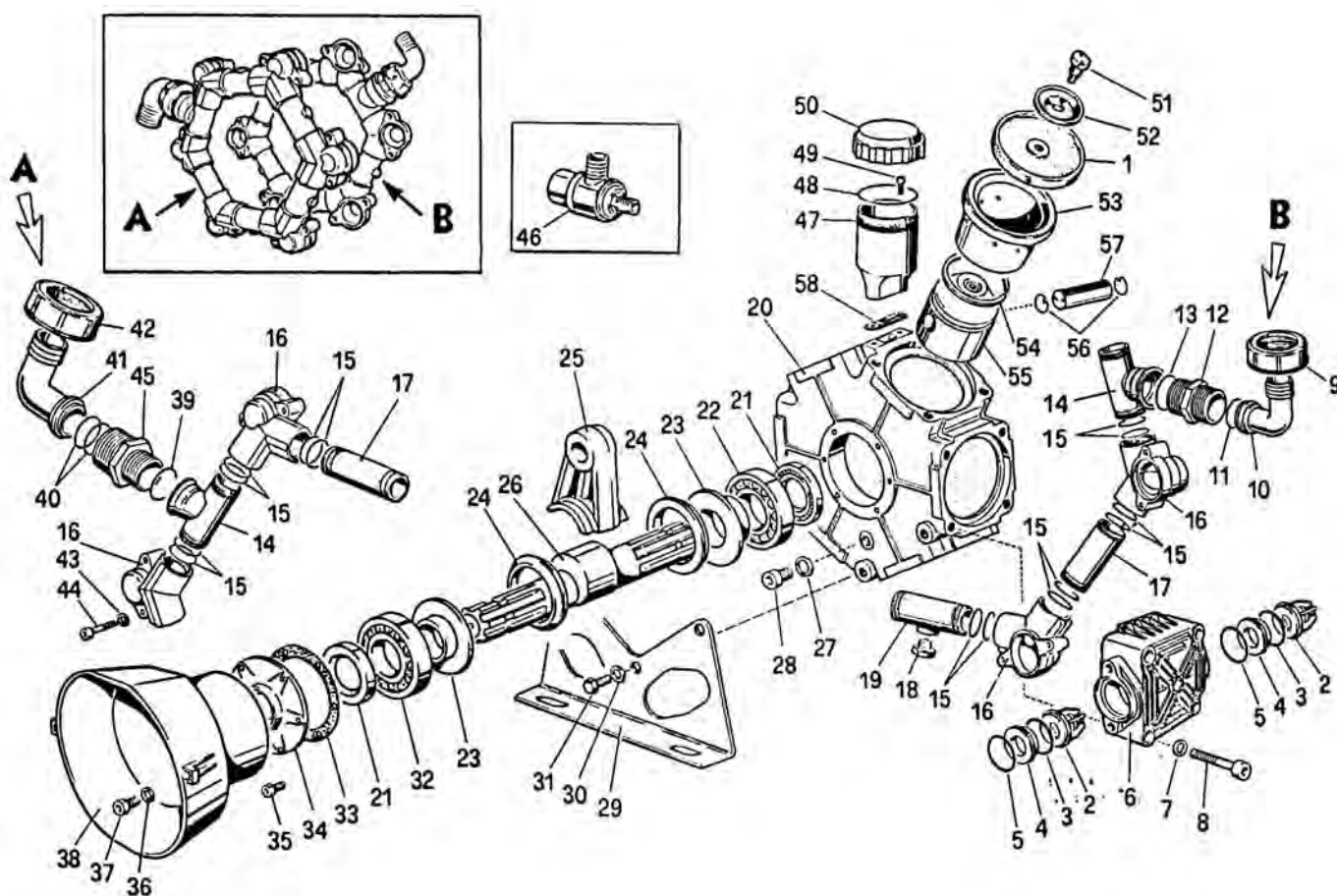
COPPIA DI SERRAGGIO - TORQUE CHART

CODICE CODE	Q.TY	N. POS.	256/SD - 260/SD	
			N.m	Lbr.ft
28.0037.51.2	6	51	12	8.9
86.2216.00.2	2	49	8	5.9
86.2562.50.2	6	35	22	16.2
86.2860.00.2	24	44	10	7.4
86.3740.50.2	6	31	68	50.2
86.3988.00.2	24	8	68	50.2
TOLLERANZA DI SERRAGGIO:			0 → - 10%	
TOLERANCE ON TORQUE VALUE:			0 → - 10%	

KIT RICAMBI - SPARES KIT 256/SD - 260/SD

KIT	CODICE PART NUMBER	14.9880.97.3					14.9870.97.3			14.9872.97.3			14.9871.97.3			14.9873.97.3			14.9806.97.3											
	DESCRIZIONE DESCRIPTION	KIT POMPA PUMP KIT					VAM VALVES ASSY			VAM - INOX VALVES ASSY			MEMBRANE BUNA - N DIAPHRAGMS			MEMBRANE DESMOPAN DIAPHRAGMS			MEMBRANE VITON DIAPHRAGMS											
POSIZIONE ESPLOSO POSITION NUMBER		21	5	15	3	33	2	3	5	2	3	5	1	3	5	1	3	5	1	3	5	15								
QUANTITÀ NEL KIT QUANTITIES INCLUDED		2	12	48	12	1	12	12	12	12	12	12	6	12	12	6	12	12	6	12	12	48								

256/SD - 260/SD



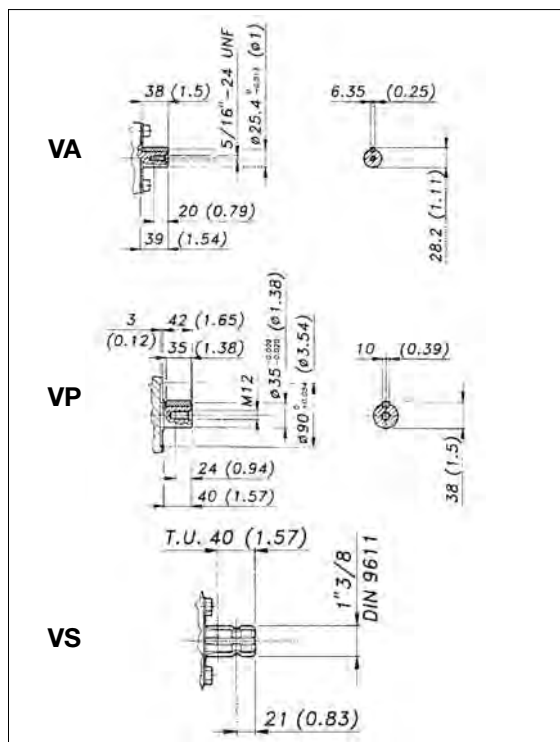
NOMENCLATURA RICAMBI POMPE A MEMBRANA "256/SD - 260/SD"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	28.0040.31.2	6	MEMBRANA PISTONE	29	14.0018.61.2	2	PIEDINO POMPA
1	28.0040.33.2	6	MEMBRANA PISTONE VITON	30	84.3844.50.2	6	ROSETTA D.12,2x21x2,5
1	28.0040.00.2	6	MEMBRANA PISTONE DESMOPAN	31	86.3740.50.2	6	VITE TE M12x30 UNI5739
2	28.9809.97.3	12	GR. VALVOLA A/M INOX	32	81.2876.00.2	1	CUSCINETTO SFERE
2	63.9800.97.3	12	GR. VALVOLA A/M PLAST. (OPTIONAL)	33	91.0110.72.2	1	GUARNIZIONE COPERCHIO
3	80.3314.00.2	12	ANELLO OR 4,5x40	34	14.0011.09.2	1	COPERCHIO
4	28.0029.32.2	12	DISTANZIALE VALVOLE A/M	35	86.2562.50.2	6	VITE TCEI M8x20 UNI5931
5	80.3209.40.2	12	ANELLO OR 2,62x44,12	36	84.3710.00.2	2	ROSETTA D.9x24x2 (OPTIONAL)
6	28.0002.09.2	6	TESTATA ALLUMINIO	37	86.2682.50.2	2	VITE TCEI M8x25 UNI5931 (OPTIONAL)
7	84.3844.50.2	24	ROSETTA D.12,2x21x2,5	38	31.1482.32.2	1	CUFFIA DI PROTEZIONE (OPTIONAL)
8	86.3988.00.2	24	VITE TCEI M12x60 UNI5931	39	80.3209.20.2	1	ANELLO OR 2,62x42,52
9	82.0070.00.2	1	GALLETTO G.1"1/2	40	80.3209.10.2	2	ANELLO OR 2,62x40,95
10	84.0561.00.2	1	RACCORDO CURVO D.30	41	84.0610.00.2	1	RACCORDO CURVO D.50
10	84.0566.00.2	1	RACCORDO CURVO D.32 (OPTIONAL)	42	82.0120.00.2	1	GALLETTO G.2
10	84.0570.00.2	1	RACCORDO CURVO D.35 (OPTIONAL)	43	84.3685.50.2	24	ROSETTA D.8,2x15x1,5
10	84.0571.00.2	1	RACCORDO CURVO D.38 (OPTIONAL)	44	86.2860.00.2	24	VITE TCEI M8x45 UNI5931
10	84.0591.00.2	1	RACCORDO CURVO D.40 (OPTIONAL)	45	83.5093.00.2	1	NIPPLO G.2-M45x2
11	80.3219.10.2	1	ANELLO OR 3,0x30	46	24.3015.97.3	1	VALVOLA SICUREZZA 15 BAR (OPTIONAL)
12	25.0206.32.2	1	NIPPLO G.1"1/2-M45x2	47	14.0012.32.2	1	CORPO SERBATOIO OLIO
13	80.3209.20.2	1	ANELLO OR 2,62x42,52	48	80.3109.20.2	1	ANELLO OR 1,8x67
14	14.0006.32.2	2	MANICOTTO DI COLLEGAMENTO M45x2 F.	49	86.2216.00.2	2	VITE TCEI M6x25 UNI5931
15	80.3219.20.2	48	ANELLO OR 3,0x35	50	28.0044.32.2	1	COPERCHIO SERBATOIO OLIO
16	14.0004.32.2	12	RACCORDO DI COLLEGAMENTO	51	28.0037.51.2	6	VITE FISSAGGIO MEMBRANA
17	14.0005.32.2	8	MANICOTTO DI COLLEGAMENTO	52	28.0036.32.2	6	PIATTELLO MEMBRANA
18	85.2576.00.2	2	TAPPO G.3/8	53	14.0014.01.2	6	CAMICIA 256/SD
19	14.0007.32.2	2	MANICOTTO DI COLLEGAMENTO G.3/8 F.	53	14.0010.01.2	6	CAMICIA 260/SD
20	14.0001.07.2	1	CARTER POMPA	54	81.8540.00.2	6	FASCIA ELASTICA
21	80.2143.10.2	2	ANELLO RADIALE	55	28.0010.08.2	6	PISTONE
22	81.2867.00.2	1	CUSCINETTO SFERE	56	80.0038.00.2	12	ANELLO D.18 PER FORO
23	14.0016.01.2	2	DISTANZIALE ALBERO ECCENTRICO	57	85.2027.00.2	6	SPINOTTO D.18x70
24	14.0015.76.2	2	ANELLO BIELLE	58	14.0017.72.2	1	GUARNIZIONE SERBATOIO OLIO
25	14.0023.11.2	6	BIELLA SINGOLA IN BRONZO				
26	14.0002.26.2	1	ALBERO ECCENTRICO 256/SD				
26	14.0009.26.2	1	ALBERO ECCENTRICO 260/SD				
27	82.4079.00.2	1	GUARNIZIONE D.13,2x17x1				
28	86.3694.50.2	1	VITE TCEI M12x20 UNI5931				

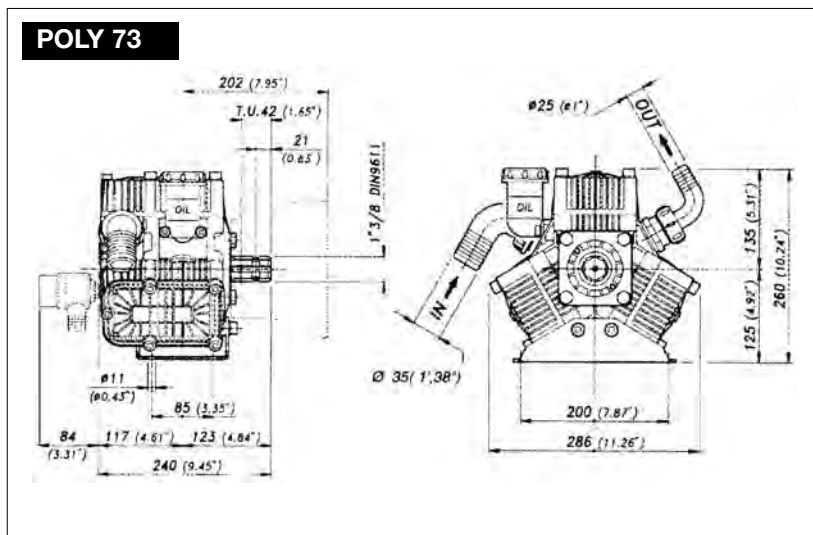
**IDROMECCANICA®
BERTOLINI**



DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



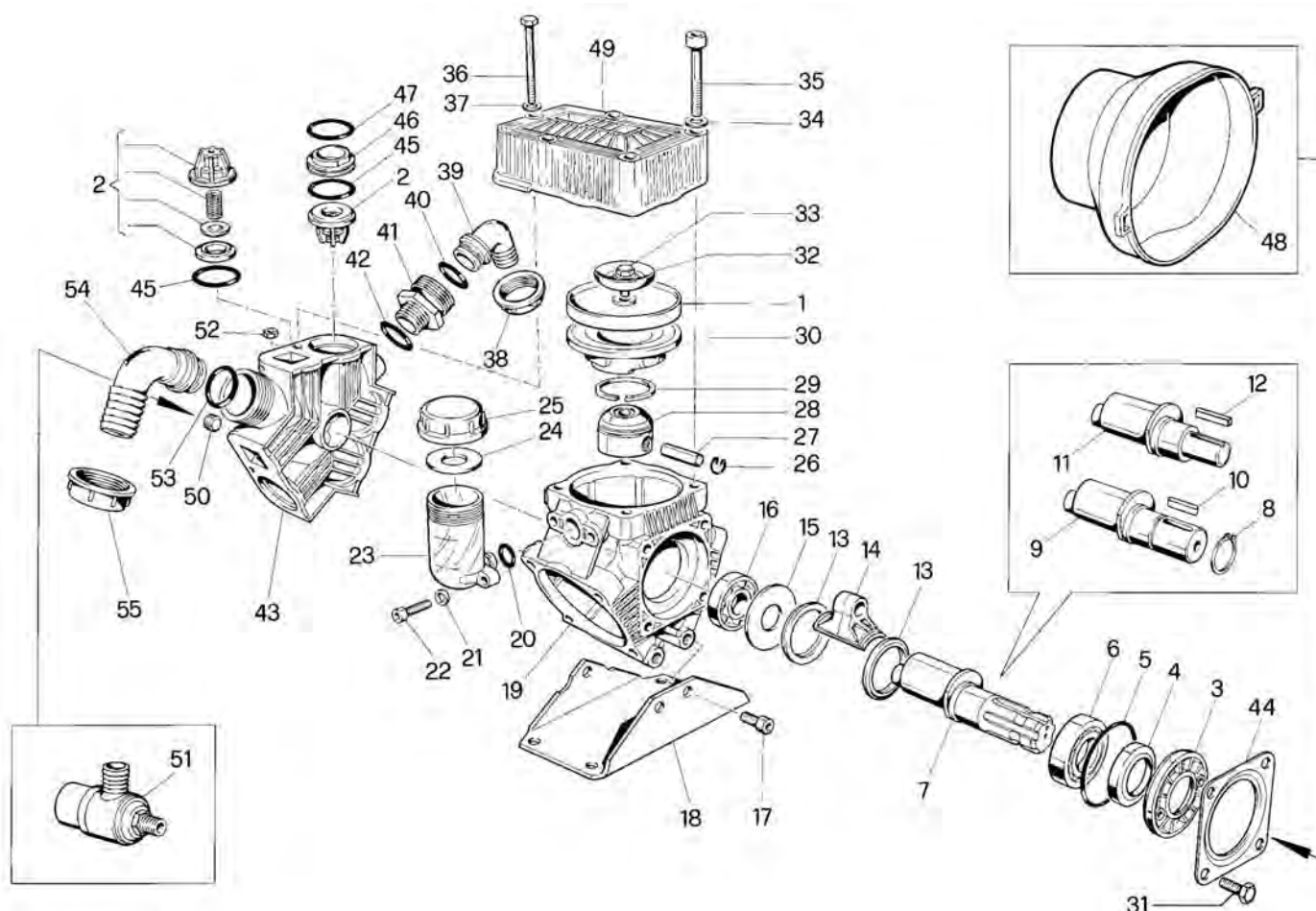
Maintenance instructions for diaphragm pumps Page 11



CODICE CODE	Q.TY	N. POS.	POLY 73	
			N.m	Lbr.ft
63.0018.51.2	3	33	25	18.5
86.2682.50.2	2	22	5	3.7
86.3002.00.2	3	36	10	7.4
86.3184.00.2	4	31	22	16.2
86.3264.00.2	3	17	44	32.5
86.3562.50.2	12	35	30	22.2
TOLLERANZA DI SERRAGGIO:			0 → - 10%	
TOLERANCE ON TORQUE VALUE:			0 → - 10%	

KIT	CODICE PART NUMBER	63.9880.97.3				63.9870.97.3			63.9872.97.3			63.9871.97.3			63.9873.97.3			63.9826.97.3										
	DESCRIZIONE DESCRIPTION	KIT POMPA PUMP KIT				VAM VALVES ASSY			VAM - INOX VALVES ASSY			MEMBRANE BUNA - N DIAPHRAGMS			MEMBRANE DESMOPAN DIAPHRAGMS			MEMBRANE VITON DIAPHRAGMS										
POSIZIONE ESPLOSO POSITION NUMBER		5	4	45	47	2	45	47	2	45	47	1	45	47	1	45	47	1	45	47								
QUANTITÀ NEL KIT QUANTITIES INCLUDED		1	1	6	4	6	6	4	6	6	4	3	6	4	3	6	4	3	6	4								

POLY 73



NOMENCLATURA RICAMBI POMPE A MEMBRANA "POLY 73"

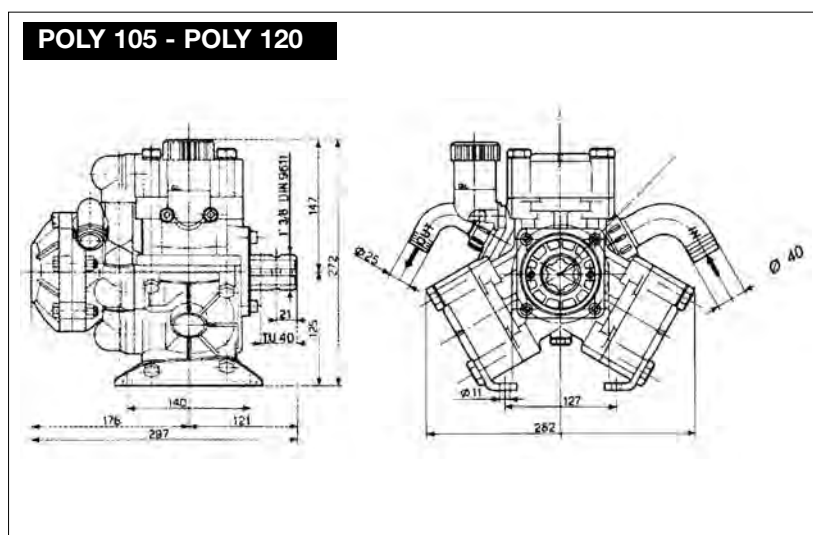
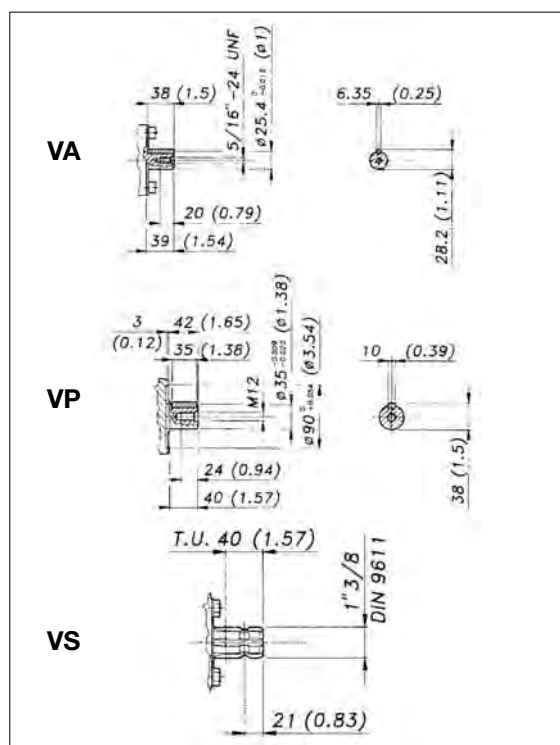
POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	95.0040.31.2	3	MEMBRANA PISTONE	29	81.8504.50.2	3	FASCIA ELASTICA
1	95.0040.33.2	3	MEMBRANA PISTONE VITON (OPTIONAL)	30	63.0015.01.2	3	CAMICIA
1	95.0040.00.2	3	MEMBRANA PISTONE DESMOPAN (OPT.)	31	86.3184.00.2	4	VITE TE M10x16 UNI5739
2	63.9800.97.3	6	GR. VALVOLA A/M POLIPROPILENE	32	63.0017.68.2	3	PIATTELLO MEMBRANA INOX
2	28.9809.97.3	6	GR. VALVOLA A/M INOX (OPTIONAL)	33	63.0018.51.2	3	VITE MEMBRANA
3	53.0007.32.2	1	SUPPORTO ANELLO TENUTA RADIALE	34	84.3801.50.2	12	ROSETTA D.10,5x21x2
4	80.2143.10.2	1	ANELLO RADIALE	35	86.3562.50.2	12	VITE TCEI M10x70 UNI5931 12.9
5	80.3310.00.2	1	ANELLO OR 4,0x82	36	86.3002.00.2	3	VITE TCEI M8x75 UNI5931
6	81.2837.00.2	1	CUSCINETTO SFERE	37	84.3693.00.2	3	ROSETTA D.8,4x17x1,6
7	63.0009.26.2	1	ALBERO ECCENTRICO "VS"	38	82.0067.50.2	1	GALLETTO G.1"1/4
8	80.1264.00.2	1	ANELLO D.35 PER ALBERO	39	84.0542.40.2	1	RACCORDO CURVO D.25
9	63.0011.26.2	1	ALBERO ECCENTRICO "VP"	40	80.3219.05.2	1	ANELLO OR 3,0x25 VITON
10	80.6578.00.2	1	LINGUETTA 10x8x35 "VP"	41	83.5089.00.2	1	NIPPOLO G.1-G.1"1/4
11	63.0016.26.2	1	ALBERO ECCENTRICO "VA"	42	80.3219.10.2	1	ANELLO OR 3x30
12	80.6475.00.2	1	LINGUETTA 6,36x6,36x40 "VA"	43	63.0003.32.2	1	COLLETTORE POLIPROPILENE
13	26.0047.76.2	2	ANELLO SERRAGGIO BIELLE	44	17.0016.61.2	1	COPERCHIO.
14	23.0005.09.2	3	BIELLA SINGOLA IN ALLUMINIO	45	80.3320.80.2	6	ANELLO OR 5,34x40,65
14	23.0045.11.2	3	BIELLA SINGOLA IN BRONZO (OPTIONAL)	46	28.0229.32.2	4	DISTANZIALE VALVOLE A/M
15	95.0097.61.2	1	DISTANZIALE ALBERO	47	80.3219.80.2	4	ANELLO OR 3,0x39
16	81.2646.00.2	1	CUSCINETTO SFERE	48	31.1468.32.2	1	CUFFIA DI PROTEZIONE (OPTIONAL)
17	86.3264.00.2	3	VITE TCEI M10x25 UNI5931	49	63.0022.32.2	3	TESTATA POLIPROPILENE
18	63.0006.61.2	1	PIEDE POMPA	50	85.2585.00.2	1	TAPPO CONICO EI G.3/8
19	63.0001.09.2	1	CARTER	51	24.3015.97.3	1	VALVOLA SICUREZZA 15BAR (OPTIONAL)
20	80.3180.00.2	1	ANELLO OR 2,62x15,08	52	81.4574.50.2	3	DADO M8 UNI5588
21	84.3685.50.2	2	ROSETTA D.8,2x15x1,5	53	80.3219.15.2	1	ANELLO OR 3,0x30 VITON
22	86.2682.50.2	2	VITE TCEI M8x25 UNI5931	54	84.0570.00.2	1	RACCORDO CURVO D.35
23	23.0008.32.2	1	SERBATOIO OLIO	54	84.0561.00.2	1	RACCORDO CURVO D.30 (OPTIONAL)
24	82.4120.00.2	1	GUARNIZIONE D.19x45x1,5	54	84.0566.00.2	1	RACCORDO CURVO D.32 (OPTIONAL)
25	85.2750.00.2	1	TAPPO SERBATOIO OLIO	54	84.0571.00.2	1	RACCORDO CURVO D.38 (OPTIONAL)
26	80.0021.00.2	6	ANELLO D.15	54	84.0591.00.2	1	RACCORDO CURVO D.40 (OPTIONAL)
27	85.2006.70.2	3	SPINOTTO D.15x46	55	82.0070.00.2	1	GALLETTO G.1"1/2
28	63.0014.09.2	3	PISTONE				

POLY 105 - POLY 120



ALBERO POMPA - PUMP SHAFT

DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



Installazione e norme generali di sicurezza
Pag. 2

Installation and general safety information
Page 8

Istruzioni di manutenzione pompe a
membrana Pag. 5

Maintenance instructions for diaphragm
pumps Page 11

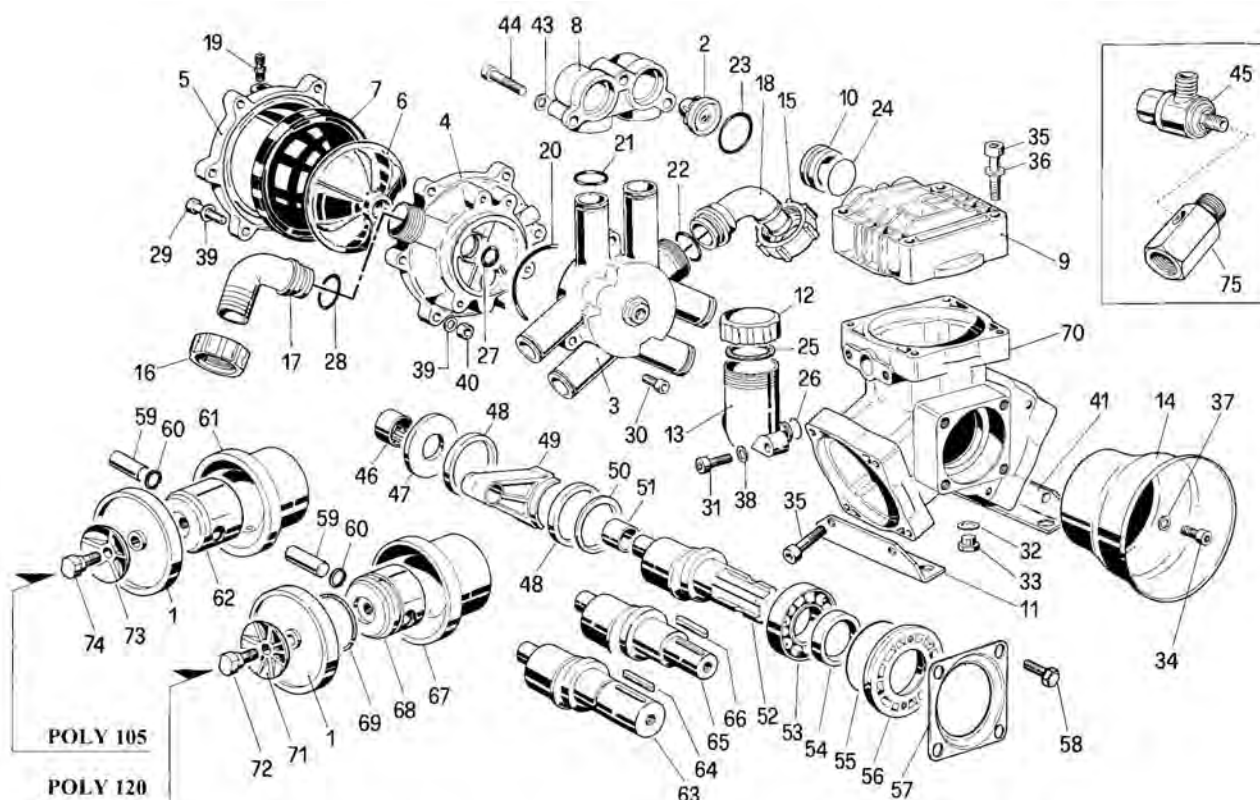
COPPIA DI SERRAGGIO - TORQUE CHART

CODICE CODE	Q.TY	N. POS.	POLY 105 - POLY 120	
			N.m	Lbr.ft
86.2600.00.2	3	74	12	8.9
86.2730.50.2	3	30	10	7.4
86.2910.50.2	6	44	10	7.4
86.3185.00.2	4	58	22	16.2
86.2945.50.2	6	29	10	7.4
86.3230.10.2	3	72	25	18.5
86.3562.50.2	12	35	30	22.1
TOLLERANZA DI SERRAGGIO:			0 → - 10%	
TOLERANCE ON TORQUE VALUE:			0 → - 10%	

KIT RICAMBI - SPARES KIT POLY 105 - POLY 120

KIT	CODICE PART NUMBER	95.9881.97.3							95.9870.97.3			95.9872.97.3			95.9871.97.3				95.9873.97.3				95.9882.97.3										
	DESCRIZIONE DESCRIPTION	KIT POMPA PUMP KIT							VAM VALVE ASSY			VAM - INOX VALVE ASSY INOX			MEMBRANE BUNA - N DIAPHRAGMS				MEMBRANE DESMOPAN DIAPHRAGMS				MEMBRANE VITON DIAPHRAGMS										
POSIZIONE ESPLOSO POSITION NUMBER		54	24	27	21	20	55	23	2	23	24	2	23	24	23	24	1	7	23	24	1	7	24	27	21	20	23	1	7				
QUANTITÀ NEL KIT QUANTITIES INCLUDED		1	6	2	6	1	1	6	6	6	6	6	6	6	6	6	3	1	6	6	3	1	6	2	6	1	6	3	1				

POLY 105 - POLY 120



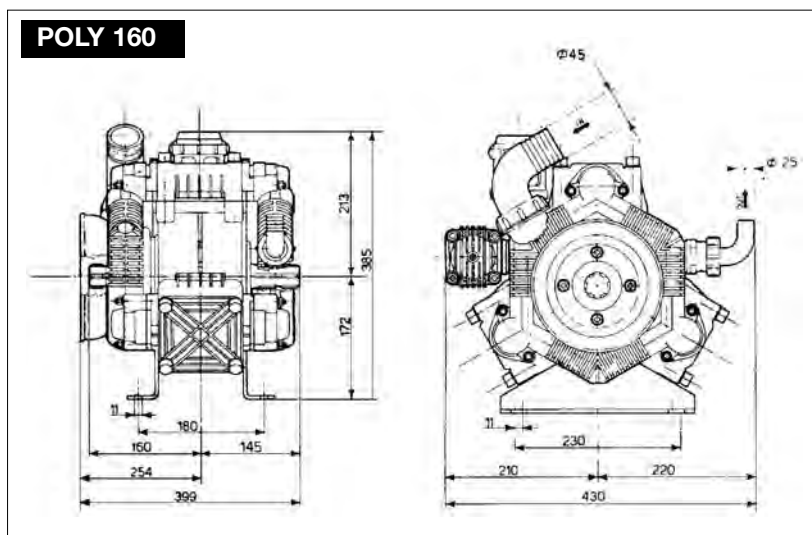
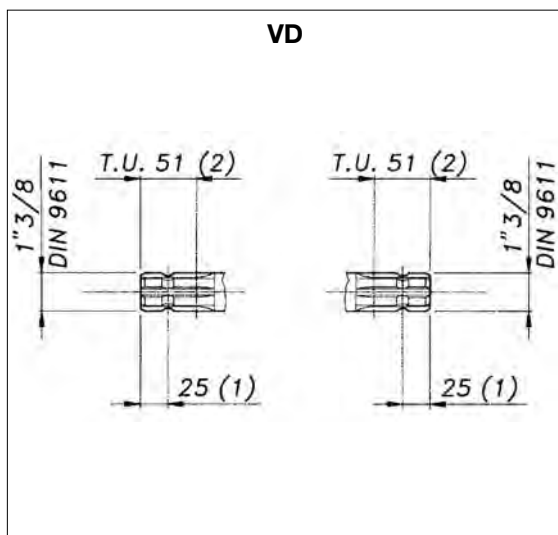
NOMENCLATURA RICAMBI POMPE A MEMBRANA "POLY 105 - POLY 120"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	95.0040.31.2	3	MEMBRANA PISTONE	36	84.3801.50.2	8	ROSETTA D.10,5x21x2
1	95.0040.33.2	3	MEMBRANA PISTONE VITON	37	84.3812.00.2	4	ROSETTA D.10,5x22x2,5 (OPTIONAL)
1	95.0040.00.2	3	MEMBRANA PISTONE DESMOPAN	38	84.3685.50.2	2	ROSETTA D.8,2x15x1,5
2	95.9819.97.3	6	GR. VALVOLA A/M INOX	39	84.3685.50.2	12	ROSETTA D.8,2x15x1,5
2	95.9821.97.3	6	GR. VALVOLA A/M POLIPROPILENE (OPTIONAL)	40	81.4574.50.2	6	DADO M8 UNI5588
3	95.0190.32.2	1	COLLETTORE POLIPROPILENE	41	33.0024.61.2	1	PIEDINO DESTRO
4	95.0214.32.2	1	ACCUMULATORE INFERIORE	43	84.3685.50.2	9	ROSETTA D.8,2x15x1,5
5	95.0152.09.2	1	ACCUMULATORE SUPERIORE	44	86.2910.50.2	9	VITE TCEI M8x55 UNI5931
6	95.0016.32.2	1	PROTEZIONE MEMBRANA	45	24.3015.97.3	1	VALVOLA SICUREZZA 15 BAR (OPTIONAL)
7	95.0041.31.2	1	MEMBRANA ACCUMULATORE	46	81.2688.00.2	1	CUSCINETTO RULLINI
7	95.0041.33.2	1	MEMBRANA ACCUMULATORE VITON	47	95.0097.61.2	1	DISTANZIALE ALBERO
8	95.0216.32.2	3	RACCORDO CHIUSURA VALVOLE	48	93.0047.76.2	2	ANELLO BIELLE
9	95.0215.32.2	3	TESTATA POMPA POLIPROPILENE	49	95.0009.09.2	2	BIELLA SINGOLA
10	95.0020.32.2	6	DISTANZIALE VALVOLA	50	17.0027.76.2	1	DISTANZIALE BIELLA
11	33.0023.61.2	1	PIEDINO SINISTRO	51	81.2606.00.2	1	ANELLO
12	85.2750.00.2	1	TAPPO SERBATOIO OLIO	52	95.0098.26.2	1	"ALBERO ECCENTRICO "VS"
13	23.0008.32.2	1	SERBATOIO OLIO	53	81.2846.00.2	1	CUSCINETTO SFERE
14	31.1110.32.2	1	CUFFIA DI PROTEZIONE (OPTIONAL)	54	80.2143.10.2	1	ANELLO RADIALE
15	82.0070.00.2	1	GALLETTO G.1"1/2	55	80.3310.00.2	1	ANELLO OR 4,0x82
16	82.0045.00.2	1	GALLETTO G.1	56	53.0007.32.2	1	SUPPORTO ANELLO DI TENUTA
17	84.0542.00.2	1	RACCORDO CURVO D.25	57	17.0013.61.2	1	COPERCHIO
17	84.0520.00.2	1	RACCORDO CURVO D.19 (OPTIONAL)	58	86.3187.50.2	4	VITE TCEI M10x18 UNI5931
18	84.0591.00.2	1	RACCORDO CURVO D.40	59	85.2007.00.2	3	SPINOTTO D.15x54
18	84.0561.00.2	1	RACCORDO CURVO D.30 (OPTIONAL)	60	80.0021.00.2	6	ANELLO D.15 x FORO
18	84.0566.00.2	1	RACCORDO CURVO D.32 (OPTIONAL)	61	95.0006.01.2	3	CAMICIA (POLY105)
18	84.0570.00.2	1	RACCORDO CURVO D.35 (OPTIONAL)	62	95.0010.08.2	3	PISTONE (POLY105)
18	84.0571.00.2	1	RACCORDO CURVO D.38 (OPTIONAL)	63	95.0099.26.2	1	ALBERO ECCENTRICO "VP"
19	86.1605.00.2	1	VALVOLA ARIA	64	80.6578.00.2	1	LINGUETTA 10x8x35 "VP"
20	80.3221.00.2	1	ANELLO OR 3,0x71	65	95.0095.26.2	1	ALBERO ECCENTRICO "VA"
21	80.3218.00.2	6	ANELLO OR 3,0x22	66	80.6475.00.2	1	LINGUETTA 6,36x6,36x40 "VA"
22	80.3219.10.2	1	ANELLO OR 3,0x30	67	95.0102.01.2	3	CAMICIA (POLY120)
23	80.3320.00.2	6	ANELLO OR 5,0x26	68	95.0101.09.2	3	PISTONE (POLY120)
24	80.3207.00.2	6	ANELLO OR 2,62x29,82	69	81.8530.00.2	3	FASCIA ELASTICA D.72 (POLY120)
25	82.4120.00.2	1	GUARNIZIONE D.45	70	95.0100.09.2	1	CARTER POMPA
26	80.3180.00.2	1	ANELLO OR 2,62x15,08	71	28.0036.32.2	3	PIATTELLO MEMBRANA (POLY120)
27	80.3217.50.2	2	ANELLO OR 3,0x19	72	86.3230.10.2	3	VITE FISSAGGIO MEMBRANA (POLY120)
28	80.3200.00.2	1	ANELLO OR 2,62x22,22	73	95.0203.32.2	3	PIATTELLO MEMBRANA (POLY105)
29	86.2945.50.2	6	VITE TCEI M8x60 UNI5931	74	86.2600.00.2	3	VITE FISSAGGIO MEMBRANA (POLY105)
30	86.2730.50.2	3	VITE TCEI M8x30 UNI5931	75	95.0072.54.2	1	RACCORDO X VALVOLA SIC. (OPTIONAL)
31	86.2730.50.2	2	VITE TCEI M8x30 UNI5931				
32	82.4079.00.2	1	GUARNIZIONE D.13,2x17x1				
33	85.2543.50.2	1	TAPPO G.1/4				
34	86.3187.50.2	4	VITE M10x18 UNI5931 (OPTIONAL)				
35	86.3562.50.2	12	VITE TCEI M10x70 UNI5931				

**IDROMECCANICA®
BERTOLINI**



DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS

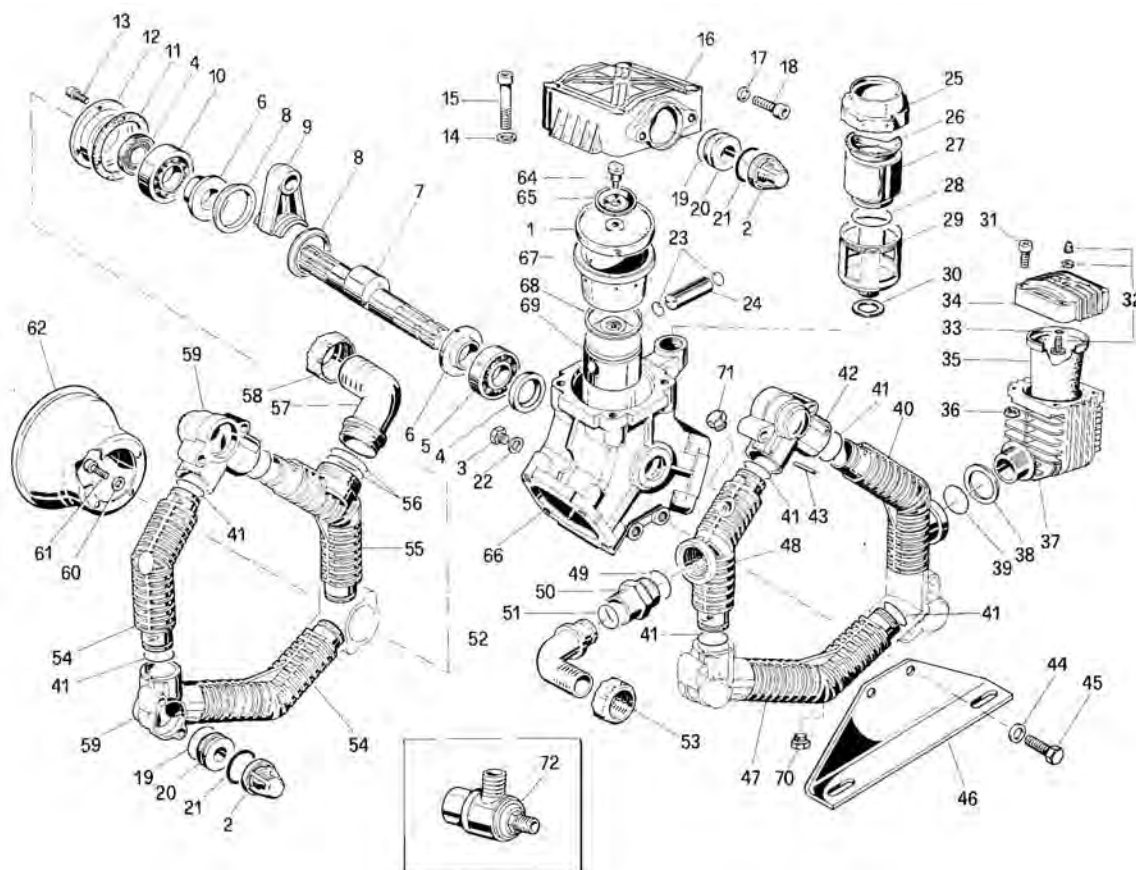


Maintenance instructions for diaphragm pumps Page 11

CODICE CODE	Q.TY	N. POS.	POLY 160	
			N.m	Lbr.ft
28.0037.51.2	3	64	12	8.9
86.2562.50.2	4	13	22	16.2
86.2752.10.2	4	31	10	7.4
86.2860.00.2	12	18	10	7.4
86.4068.00.2	12	15	40	29.5
86.3740.50.2	4	45	68	50.2
TOLLERANZA DI SERRAGGIO:			0 → - 10%	
TOLERANCE ON TORQUE VALUE:			0 → - 10%	

KIT	CODICE PART NUMBER	27.9880.97.3					27.9870.97.3			27.9872.97.3			27.9871.97.3				27.9873.97.3				27.9820.97.3														
	DESCRIZIONE DESCRIPTION	KIT POMPA PUMP KIT					VAM VALVES ASSY			VAM - INOX VALVES ASSY			MEMBRANE BUNA - N DIAPHRAGMS				MEMBRANE DESMOPAN DIAPHRAGMS				MEMBRANE VITON DIAPHRAGMS														
POSIZIONE ESPLOSO POSITION NUMBER		4	19	21	11	41	2	21	19	2	21	19	1	35	19	21	1	35	19	21	1	35	19	21	41										
QUANTITÀ NEL KIT QUANTITIES INCLUDED		2	6	6	1	12	6	6	6	6	6	6	3	1	6	6	3	1	6	6	3	1	6	6	3	1	6	6	12						

POLY 160



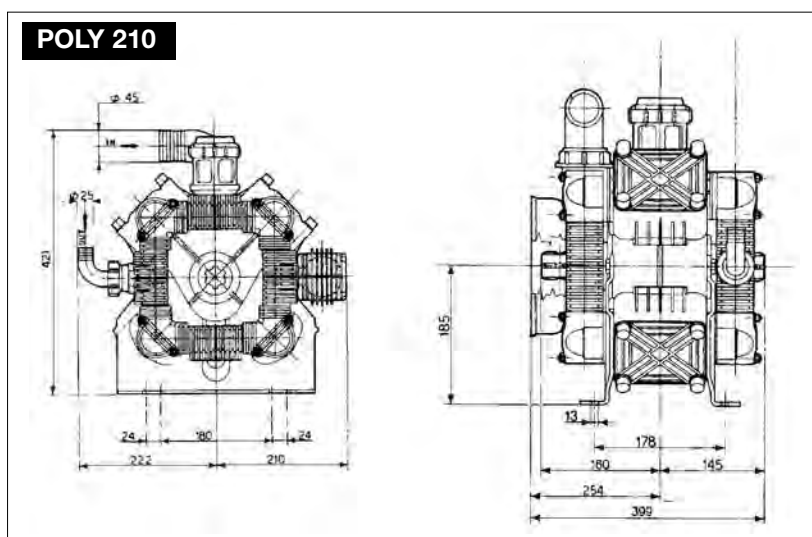
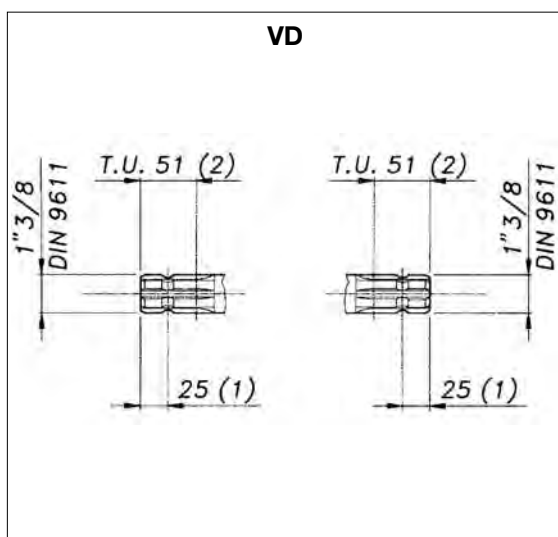
NOMENCLATURA RICAMBI POMPE A MEMBRANA "POLY 160"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	28.0040.31.2	3	MEMBRANA PISTONE	39	80.3247.50.2	1	ANELLO OR 3,53x28,17
1	28.0040.33.2	3	MEMBRANA PISTONE VITON	40	27.0038.32.2	1	TUBO COLLETTORE G.1 F. + G.3/8 F.
1	28.0040.00.2	3	MEMBRANA PISTONE DESMOPAN	41	80.3219.20.2	12	ANELLO OR 3,0x35
2	28.9809.97.3	6	GR. VALVOLA A/M INOX	42	27.0036.32.2	3	RACCORDO DI COLLEGAMENTO MANDATA
2	63.9800.97.3	6	GR. VALVOLA A/M POLIPROP. (OPTIONAL)	43	85.1159.00.2	6	SPINA ELASTICA D.4x40
3	86.3694.50.2	1	VITE TCEI M12x20 UNI5931	44	84.3844.50.2	4	ROSETTA D.12,2x21x2,5
4	80.2143.10.2	2	ANELLO RADIALE	45	86.3740.50.2	4	VITE TE M12x30 UNI5739
5	81.2846.00.2	1	CUSCINETTO SFERE	46	27.0022.61.2	2	PIEDINO
6	28.0027.09.2	2	DISTANZIALE ALBERO ECCENTRICO	47	27.0039.32.2	1	TUBO COLLETTORE G.1/4 F.
7	28.0097.26.2	1	ALBERO ECCENTRICO	48	27.0034.32.2	1	TUBO COLLETTORE G.1 F.
8	98.0047.76.2	2	ANELLO BIELLE	49	80.3219.10.2	1	ANELLO OR 3x30
9	28.0007.11.2	3	BIELLA IN BRONZO	49	80.3207.00.2	1	ANELLO OR 2,62x29,82 fino al 12/98
10	81.2867.00.2	1	CUSCINETTO SFERE	50	83.5089.00.2	1	NIPPLO G.1-G.1"1/4
11	98.0110.72.2	1	GUARNIZIONE COPERCHIO	51	80.3219.00.2	1	ANELLO OR 3,0x25
12	98.0108.09.2	1	COPERCHIO	52	84.0542.40.2	1	RACCORDO CURVO D.25
13	86.2562.50.2	4	VITE TCEI M8x20 UNI5931	52	84.0560.00.2	1	RACCORDO CURVO D.30 (OPTIONAL)
14	84.3844.50.2	12	ROSETTA D.12,2x21x2,5	52	84.0565.00.2	1	RACCORDO CURVO D.32 (OPTIONAL)
15	86.4068.00.2	12	VITE TCEI M12x75 UNI5931	53	82.0067.50.2	1	GALLETTO G.1"1/4
16	28.0200.32.2	3	TESTATA POLIPROPILENE	54	27.0032.32.2	2	TUBO COLLETTORE A/M
17	84.3685.50.2	12	ROSETTA D.8,2x15x1,5	55	27.0033.32.2	1	TUBO COLLETTORE G.2 M.
18	86.2860.00.2	12	VITE TCEI M8x45 UNI5931	56	80.3209.10.2	2	ANELLO OR 2,62x40,95
19	80.3209.40.2	6	ANELLO OR 2,62x44,12	57	84.0596.00.2	1	RACCORDO CURVO D.45
20	28.0229.32.2	6	DISTANZIALE VALVOLE A/M	57	84.0590.00.2	1	RACCORDO CURVO D.40 (OPTIONAL)
21	80.3314.00.2	6	ANELLO OR 4,5x40	57	84.0610.00.2	1	RACCORDO CURVO D.50 (OPTIONAL)
22	82.4079.00.2	1	GUARNIZIONE D.13,2x17x1	58	82.0120.00.2	1	GALLETTO G.2
23	80.0038.00.2	6	ANELLO D.18 PER FORO	59	14.0004.32.2	3	RACCORDO DI COLLEGAMENTO
24	85.2027.00.2	3	SPINOTTO D.18x70	60	84.3710.00.2	4	ROSETTA D.9x24x2 (OPTIONAL)
25	28.0144.32.2	1	COPERCHIO SERBATOIO OLIO	61	86.2682.50.2	4	VITE TCEI M8x25 UNI5931 (OPTIONAL)
26	41.0017.31.2	1	MEMBRANA SERBATOIO OLIO	62	31.1482.32.2	1	CUFFIA DI PROTEZIONE (OPTIONAL)
27	41.0016.32.2	1	SERBATOIO OLIO	64	28.0037.51.2	3	VITE FISSAGGIO MEMBRANA
28	80.3209.40.2	1	ANELLO OR 2,62x44,12	65	28.0036.32.2	3	PIATTELLO MEMBRANA
29	41.0015.09.0	1	CORPO SERBATOIO OLIO	66	27.0003.07.2	1	CARTER POMPA
30	82.4191.00.2	1	GUARNIZIONE D.27x38x2	67	28.0006.01.2	3	CAMICIA
31	86.2752.10.2	4	VITE TCEI M8x35 UNI5931	68	81.8540.00.2	3	FASCIA ELASTICA
32	86.1608.50.2	1	VALVOLA ARIA COMPLETA	69	28.0010.08.2	3	PISTONE
33	80.3213.00.2	1	ANELLO OR 3,0x6	70	85.2539.00.2	1	TAPPO G.1/4
34	11.0004.09.2	1	CALOTTA ACCUMULATORE	71	85.2576.00.2	1	TAPPO G.3/8
35	23.0041.31.2	1	MEMBRANA ACCUMULATORE	72	24.3015.97.3	1	VALVOLA SICUREZZA 15 BAR (OPTIONAL)
35	23.0041.33.2	1	MEMBRANA ACCUMULATORE VITON				
36	81.4574.50.2	4	DADO M8 UNI5588				
37	27.0035.32.2	1	CORPO ACCUMULATORE				
38	27.0037.46.2	1	DISTANZIALE ACCUMULATORE				

**IDROMECCANICA®
BERTOLINI**



DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS

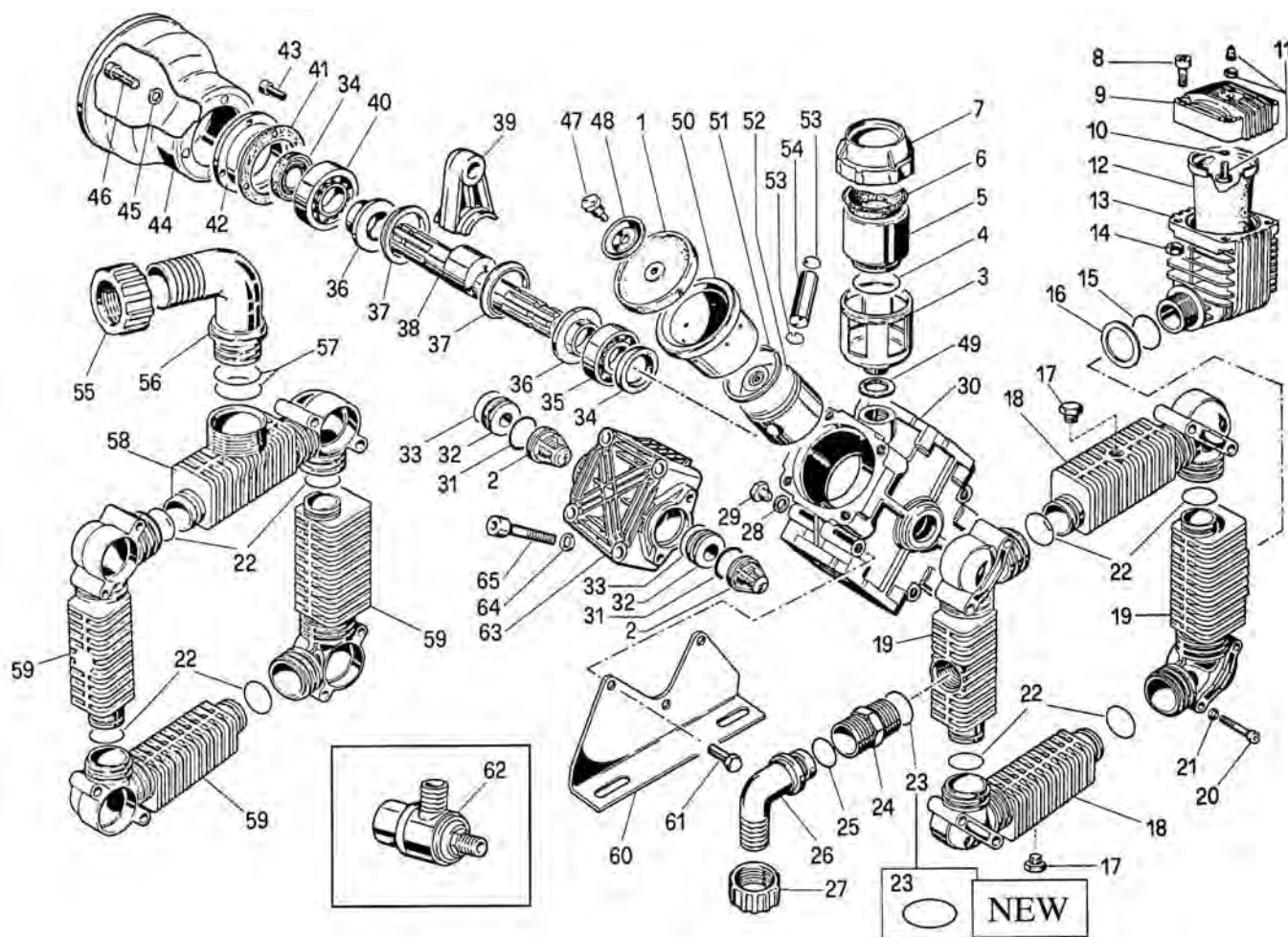


Maintenance instructions for diaphragm pumps Page 11

CODICE CODE	Q.TY	N. POS.	POLY 210	
			N.m	Lbr.ft
28.0037.51.2	4	47	12	8.9
86.2562.50.2	4	43	22	16.2
86.2752.10.2	4	8	10	7.4
86.2960.00.2	16	20	10	7.4
86.3277.00.2	6	61	44	32.5
86.4068.00.2	16	65	40	29.5
TOLLERANZA DI SERRAGGIO:			0 → - 10%	
TOLERANCE ON TORQUE VALUE:			0 → - 10%	

KIT RICAMBI - SPARES KIT POLY 210																															
KIT	CODICE PART NUMBER	28.9880.97.3					28.9870.97.3			28.9872.97.3			28.9871.97.3				28.9873.97.3				28.9828.97.3										
	DESCRIZIONE DESCRIPTION	KIT POMPA PUMP KIT					VAM VALVES ASSY			VAM - INOX VALVES ASSY			MEMBRANE BUNA - N DIAPHRAGMS				MEMBRANE DESMOPAN DIAPHRAGMS				MEMBRANE VITON DIAPHRAGMS										
POSIZIONE ESPLOSO POSITION NUMBER		34	33	31	22	41	2	31	33	2	31	33	12	1	31	33	12	1	31	33	12	1	31	33	22						
QUANTITÀ NEL KIT QUANTITIES INCLUDED		2	8	8	8	1	8	8	8	8	8	8	1	4	8	8	1	4	8	8	1	4	8	8	8						

POLY 210



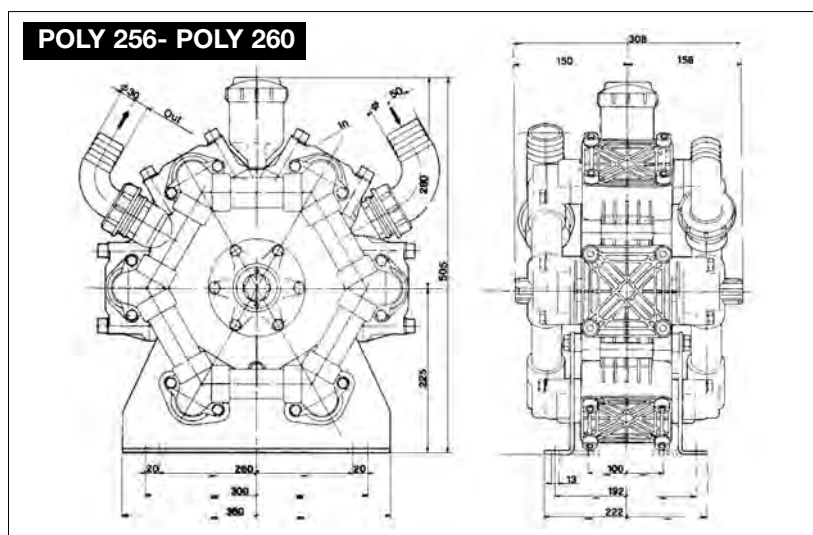
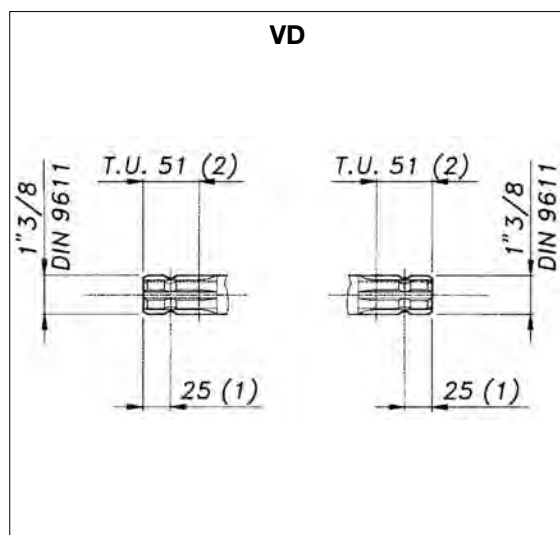
NOMENCLATURA RICAMBI POMPE A MEMBRANA "POLY 210"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	28.0040.31.2	4	MEMBRANA PISTONE	32	28.0229.32.2	8	DISTANZIALE VALVOLE A/M
1	28.0040.33.2	4	MEMBRANA PISTONE VITON	33	80.3209.40.2	8	ANELLO OR 2,62x44,12
1	28.0040.00.2	4	MEMBRANA PISTONE DESMOPAN	34	80.2143.10.2	2	ANELLO RADIALE
2	28.9809.97.3	8	GR. VALVOLA A/M INOX	35	81.2846.00.2	1	CUSCINETTO SFERE
2	63.9800.97.3	8	GR. VALVOLA A/M POLIPROPILENE (OPTIONAL)	36	28.0027.09.2	2	DISTANZIALE ALBERO ECCENTRICO
3	41.0015.09.0	1	CORPO SERBATOIO OLIO	37	98.0047.76.2	2	ANELLO BIELLE
4	80.3209.40.2	1	ANELLO OR 2,62x44,12	38	28.0097.26.2	1	ALBERO ECCENTRICO
5	41.0016.32.2	1	SERBATOIO OLIO	39	28.0007.11.2	4	BIELLA IN BRONZO
6	41.0017.31.2	1	MEMBRANA SERBATOIO OLIO	40	81.2867.00.2	1	CUSCINETTO SFERE
7	28.0144.32.2	1	COPERCHIO SERBATOIO OLIO	41	98.0110.72.2	1	GUARNIZIONE
8	86.2752.10.2	4	VITE TCEI M8x35 UNI5931	42	98.0108.09.2	1	COPERCHIO
9	11.0004.09.2	1	CALOTTA ACCUMULATORE	43	86.2562.50.2	4	VITE TCEI M8x20 UNI5931
10	80.3213.00.2	1	ANELLO OR 3,0x6	44	31.1482.32.2	1	CUFFIA DI PROTEZIONE (OPTIONAL)
11	86.1608.50.2	1	VALVOLA ARIA COMPLETA	45	84.3710.00.2	4	ROSETTA D.9x24x2 (OPTIONAL)
12	23.0041.31.2	1	MEMBRANA ACCUMULATORE	46	86.2682.50.2	4	VITE TCEI M8x25 UNI5931 (OPTIONAL)
12	23.0041.33.2	1	MEMBRANA ACCUMULATORE VITON	47	28.0037.51.2	4	VITE FISSAGGIO MEMBRANA
13	27.0035.32.2	1	CORPO ACCUMULATORE	48	28.0036.32.2	4	PIATTELLO MEMBRANA
14	81.4574.50.2	4	DADO M8 UNI5588	49	82.4191.00.2	1	GUARNIZIONE D.27x38x2
15	80.3247.50.2	1	ANELLO OR 3,53x28,17	50	28.0006.01.2	4	CAMICIA
16	27.0037.46.2	1	DISTANZIALE ACCUMULATORE	51	81.8540.00.2	4	FASCIA ELASTICA
17	85.2576.00.2	2	TAPPO G.3/8	52	28.0010.08.2	4	PISTONE
18	28.0074.32.2	2	TUBO COLLETTORE G.3/8 F.	53	80.0038.00.2	8	ANELLO D.18 PER FORO
19	28.0071.32.2	2	TUBO COLLETTORE G.1 F.	54	85.2027.00.2	4	SPINOTTO D.18x70
20	86.2960.00.2	16	VITE TCEI M8x65 UNI5931	55	82.0120.00.2	1	GALLETTO G.2
21	84.3685.50.2	16	ROSETTA D.8,2x15x1,5	56	84.0596.00.2	1	RACCORDO CURVO D.45
22	80.3250.00.2	8	ANELLO OR 3,53x31,34	56	84.0590.00.2	1	RACCORDO CURVO D.40 (OPTIONAL)
23	80.3219.10.2	1	ANELLO OR 3x30	56	84.0610.00.2	1	RACCORDO CURVO D.50 (OPTIONAL)
23	80.3207.00.2	1	ANELLO OR 2,62x29,82 fino al 12/98	57	80.3209.10.2	2	ANELLO OR 2,62x40,95
24	83.5089.00.2	1	NIPPLO G.1-G.1"1/4	58	28.0072.32.2	1	TUBO COLLETTORE G.2 M.
25	80.3219.00.2	1	ANELLO OR 3,0x25	59	28.0070.32.2	3	TUBO COLLETTORE A/M
26	84.0542.40.2	1	RACCORDO CURVO D.25	60	28.0021.61.2	2	PIEDINO POMPA
26	84.0560.00.2	1	RACCORDO CURVO D.30 (OPTIONAL)	61	86.3277.00.2	6	VITE TE M10x30 UNI5739
26	84.0565.00.2	1	RACCORDO CURVO D.32 (OPTIONAL)	62	24.3015.97.3	1	VALVOLA SICUREZZA 15 BAR (OPTIONAL)
27	82.0067.50.2	1	GALLETTO G.1"1/4	63	28.0200.32.2	4	TESTATA POLIPROPILENE
28	82.4079.00.2	1	GUARNIZIONE D.13,2x17x1	64	84.3844.50.2	16	ROSETTA D.12,2x21x2,5
29	85.2542.50.2	1	TAPPO G.1/4	65	86.4068.00.2	16	VITE TCEI M12x75 UNI5931
30	28.0003.07.2	1	CARTER POMPA				
31	80.3314.00.2	8	ANELLO OR 4,5x40				

**IDROMECCANICA®
BERTOLINI**



DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS

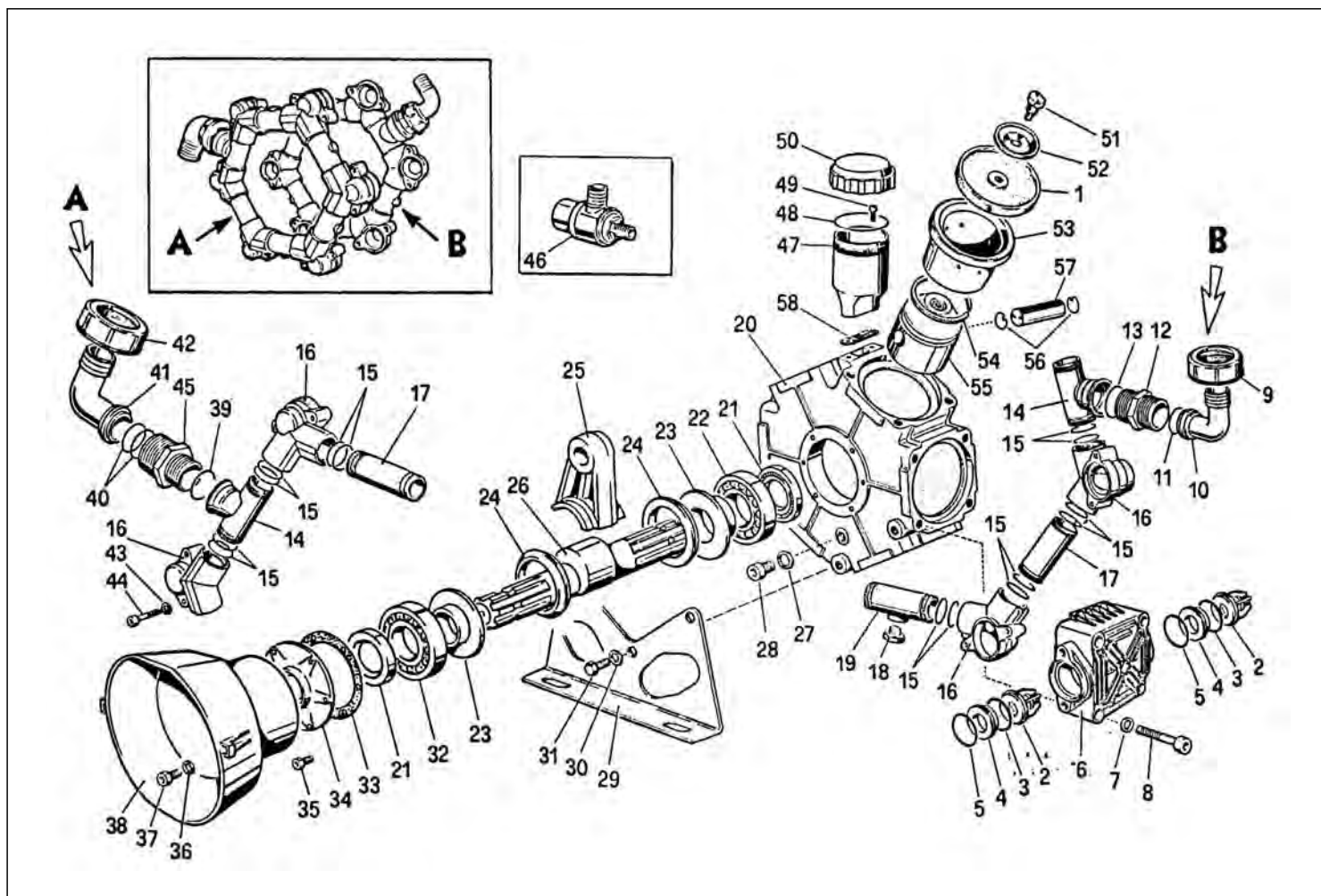


Maintenance instructions for diaphragm pumps Page 11

CODICE CODE	Q.TY	N. POS.	POLY 256 - POLY 260	
			N.m	Lbr.ft
28.0037.51.2	6	51	12	8.9
86.2216.00.2	2	49	8	5.9
86.2562.50.2	6	35	22	16.2
86.2860.00.2	24	44	10	7.4
86.3740.50.2	6	31	68	50.2
86.4068.00.2	24	8	40	29.5
TOLLERANZA DI SERRAGGIO:			0 → - 10%	
TOLERANCE ON TORQUE VALUE:			0 → - 10%	

KIT	CODICE PART NUMBER	14.9880.97.3					14.9870.97.3			14.9872.97.3			14.9871.97.3			14.9873.97.3			14.9806.97.3										
	DESCRIZIONE DESCRIPTION	KIT POMPA PUMP KIT					VAM VALVES ASSY			VAM - INOX VALVES ASSY			MEMBRANE BUNA - N DIAPHRAGMS			MEMBRANE DESMOPAN DIAPHRAGMS			MEMBRANE VITON DIAPHRAGMS										
POSIZIONE ESPLOSO POSITION NUMBER		21	5	15	3	33	2	3	5	2	3	5	1	3	5	1	3	5	1	3	5	15							
QUANTITÀ NEL KIT QUANTITIES INCLUDED		2	12	48	12	1	12	12	12	12	12	12	6	12	12	6	12	12	6	12	12	48							

POLY 256 - POLY 260



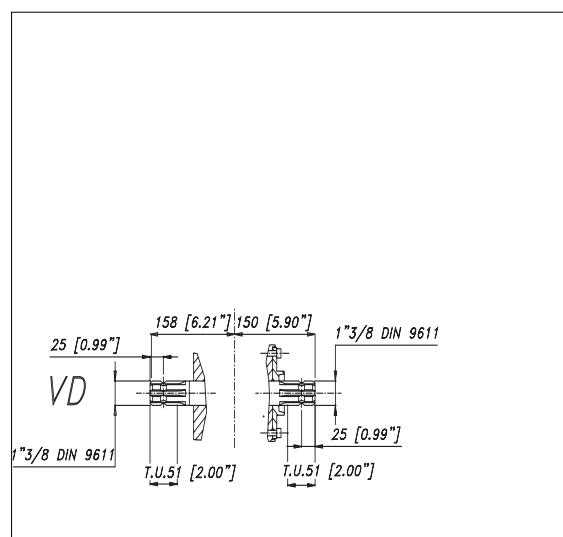
NOMENCLATURA RICAMBI POMPE A MEMBRANA "POLY 256 - POLY 260"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	28.0040.31.2	6	MEMBRANA PISTONE	29	14.0018.61.2	2	PIEDINO POMPA
1	28.0040.33.2	6	MEMBRANA PISTONE VITON	30	84.3844.50.2	6	ROSETTA D.12,2x21x2,5
1	28.0040.00.2	6	MEMBRANA PISTONE DESMOPAN	31	86.3740.50.2	6	VITE TE M12x30 UNI5739
2	28.9809.97.3	12	GR. VALVOLA A/M INOX	32	81.2876.00.2	1	CUSCINETTO SFERE
2	63.9800.97.3	12	GR. VALVOLA A/M POLIPROPILENE (OPTIONAL)	33	91.0110.72.2	1	GUARNIZIONE COPERCHIO
3	80.3314.00.2	12	ANELLO OR 4,5x40	34	14.0011.09.2	1	COPERCHIO
4	28.0229.32.2	12	DISTANZIALE VALVOLE A/M	35	86.2562.50.2	6	VITE TCEI M8x20 UNI5931
5	80.3209.40.2	12	ANELLO OR 2,62x44,12	36	84.3710.00.2	2	ROSETTA D.9x24x2 (OPTIONAL)
6	28.0200.32.2	6	TESTATA POLIPROPILENE	37	86.2682.50.2	2	VITE TCEI M8x25 UNI5931 (OPTIONAL)
7	84.3844.50.2	24	ROSETTA D.12,2x21x2,5	38	31.1482.32.2	1	CUFFIA DI PROTEZIONE (OPTIONAL)
8	86.4068.00.2	24	VITE TCEI M12x75 UNI5931	39	80.3209.20.2	1	ANELLO OR 2,62x42,52
9	82.0070.00.2	1	GALLETTO G.1"1/2	40	80.3209.10.2	2	ANELLO OR 2,62x40,95
10	84.0561.00.2	1	RACCORDO CURVO D.30	41	84.0610.00.2	1	RACCORDO CURVO D.50
10	84.0566.00.2	1	RACCORDO CURVO D.32 (OPTIONAL)	42	82.0120.00.2	1	GALLETTO G.2
10	84.0570.00.2	1	RACCORDO CURVO D.35 (OPTIONAL)	43	84.3685.50.2	24	ROSETTA D.8,2x15x1,5
10	84.0571.00.2	1	RACCORDO CURVO D.38 (OPTIONAL)	44	86.2860.00.2	24	VITE TCEI M8x45 UNI5931
10	84.0591.00.2	1	RACCORDO CURVO D.40 (OPTIONAL)	45	83.5093.00.2	1	NIPPLO G.2-M45x2
11	80.3219.10.2	1	ANELLO OR 3,0x30	46	24.3015.97.3	1	VALVOLA SICUREZZA 15 BAR (OPTIONAL)
12	25.0206.32.2	1	NIPPLO G.1"1/2-M45x2	47	14.0012.32.2	1	CORPO SERBATOIO OLIO
13	80.3209.20.2	1	ANELLO OR 2,62x42,52	48	80.3109.20.2	1	ANELLO OR 1,8x67
14	14.0006.32.2	2	MANICOTTO DI COLLEGAMENTO M45x2 F.	49	86.2216.00.2	2	VITE TCEI M6x25 UNI5931
15	80.3219.20.2	48	ANELLO OR 3,0x35	50	28.0044.32.2	1	COPERCHIO SERBATOIO OLIO
16	14.0004.32.2	12	RACCORDO DI COLLEGAMENTO	51	28.0037.51.2	6	VITE FISSAGGIO MEMBRANA
17	14.0005.32.2	8	MANICOTTO DI COLLEGAMENTO	52	28.0036.32.2	6	PIATTELLO MEMBRANA
18	85.2576.00.2	2	TAPPO G.3/8	53	14.0014.01.2	6	CAMICIA POLY256
19	14.0007.32.2	2	MANICOTTO DI COLLEGAMENTO G.3/8 F.	53	14.0010.01.2	6	CAMICIA POLY260
20	14.0001.07.2	1	CARTER POMPA	54	81.8540.00.2	6	FASCIA ELASTICA
21	80.2143.10.2	2	ANELLO RADIALE	55	28.0010.08.2	6	PISTONE
22	81.2867.00.2	1	CUSCINETTO SFERE	56	80.0038.00.2	12	ANELLO D.18 PER FORO
23	14.0016.01.2	2	DISTANZIALE ALBERO ECCENTRICO	57	85.2027.00.2	6	SPINOTTO D.18x70
24	14.0015.76.2	2	ANELLO BIELLE	58	14.0017.72.2	1	GUARNIZIONE SERBA TOIO OLIO
25	14.0023.11.2	6	BIELLA SINGOLA IN BRONZO				
26	14.0002.26.2	1	ALBERO ECCENTRICO POLY256 (650 R.P.M.)				
26	14.0009.26.2	1	ALBERO ECCENTRICO POLY260 (550 R.P.M.)				
27	82.4079.00.2	1	GUARNIZIONE D.13,2x17x1				
28	86.3694.50.2	1	VITE TCEI M12x20 UNI5931				

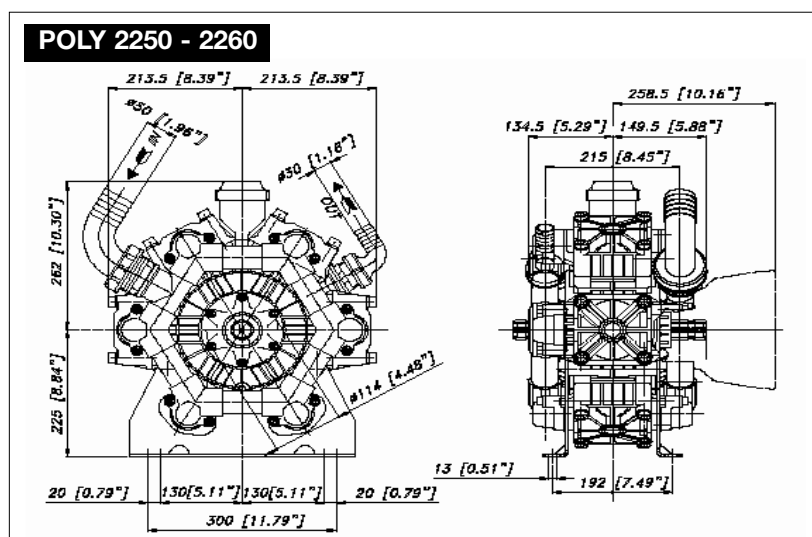
POLY 2250 - 2260



ALBERO POMPA - PUMP SHAFT



DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



COPPIA DI SERRAGGIO - TORQUE CHART

CODICE CODE	Q.TY	N. POS.	POLY 2250-2260	
			N.m	Lbr.ft
62.9811.97.3	6	51	25	18.4
85.2576.00.2	2	18	5 (LOXEAL 24-18)	3.7 (LOXEAL 24-18)
86.2216.00.2	2	49	8 (LOXEAL 24-18)	5.9 (LOXEAL 24-18)
86.3694.50.2	1	28	40	29.5
86.2562.50.2	6	35	22	16.3
86.2682.50.2	2	37	22	16.3
86.2860.00.2	24	44	10	7.4
86.4139.00.2	2	31	40	29.5
86.4068.00.2	24	8	40	29.5
TOLLERANZA DI SERRAGGIO:			0	
TOLERANCE ON TORQUE VALUE:			- 10%	

Installazione e norme generali di sicurezza
 Pag. 2

Installation and general safety information
 Page 8

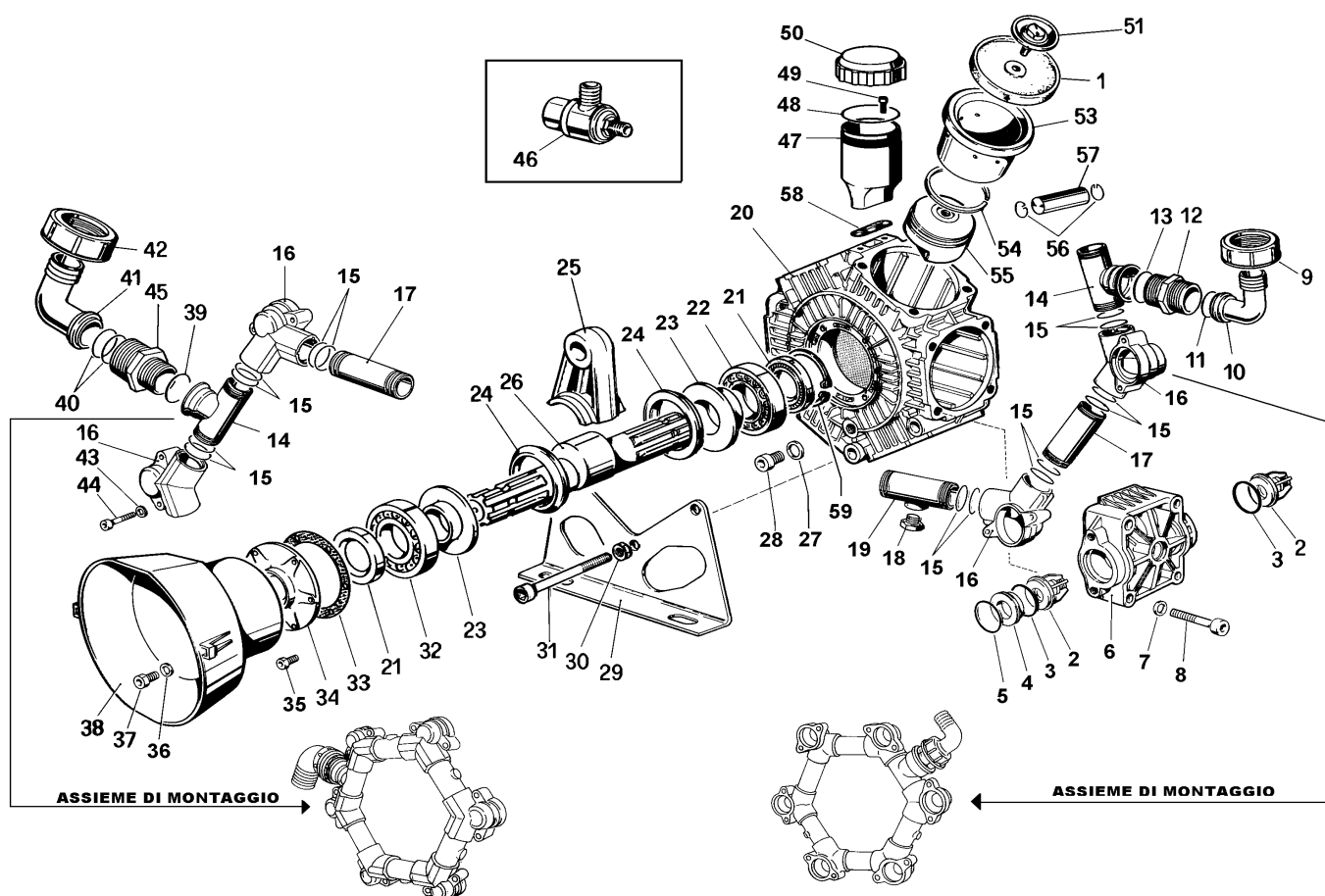
Istruzioni di manutenzione pompe a
 membrana Pag. 5

Maintenance instructions for diaphragm
 pumps Page 11

KIT RICAMBI - SPARES KIT POLY 2250 - 2260

KIT	CODICE PART NUMBER		14.9874.97.3					14.9875.97.3			14.9876.97.3			14.9877.97.3		14.9878.97.3		14.9881.97.3						14.9882.97.3			
	DESCRIZIONE DESCRIPTION		KIT POMPA PUMP KIT					VAM VALVES ASSY			VAM INOX VALVES ASSY			MEMBRANE BUNA - N DIAPHRAGMS		MEMBRANE DESMOPAN DIAPHRAGMS		MEMBRANE VITON DIAPHRAGMS						MEMBRANE PENTAX DIAPHRAGMS			
POSIZIONE ESPLOSO POSITION NUMBER			3	15	21	33	5	2	3	5	2	3	5	1	3	1	3	1	3	5	15	13	39	1	3		
QUANTITÀ NEL KIT QUANTITIES INCLUDED			12	48	2	1	6	12	12	6	12	12	6	6	12	6	12	6	12	6	48	1	1	6	12		

POLY 2250 - 2260



NOMENCLATURA RICAMBI POMPE A MEMBRANA "POLY 2250 - 2260"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	62.0040.00.2	6	MEMBRANA DESMOPAN	30	81.4689.50.2	3	DADO M12 UNI5589
1	62.0040.31.2	6	MEMBRANA BUNA - N (optional)	31	86.4139.00.2	3	VITE M12x160 UNI 5737
1	62.0040.33.2	6	MEMBRANA VITON (optional)	32	81.2876.00.2	1	CUSCINETTO SFERE 35x100x25
2	28.9809.97.3	12	VALVOLA ASP.MAND. INOX	33	91.0110.72.2	1	GUARNIZIONE COPERCHIO
3	80.3314.00.2	12	ANELLO OR 4,5x40	34	14.0011.09.2	1	COPERCHIO
4	28.0229.32.2	6	DISTANZIALE VALVOLA	35	86.2562.50.2	6	VITE TCEI M8x20 UNI5931
5	80.3209.40.2	6	ANELLO OR 2,62x44,12	36	84.3696.00.2	2	ROSETTA D.8,4x18x2 UNI1734 (optional)
6	62.0025.32.2	6	TESTATA	37	86.2682.50.2	2	VITE TCEI M8x25 UNI5931 (optional)
7	84.3844.50.2	24	ROSETTA D.12,2x21x2,5 UNI1750	38	31.1482.32.2	1	CUFFIA DI PROTEZIONE L=180 (optional)
8	86.4068.00.2	24	VITE TCEI M12x75 UNI5931	38	31.1468.32.2	1	CUFFIA DI PROTEZIONE L=135 (optional)
9	82.0070.00.2	1	GALLETTO G.1"1/2	39	80.3209.20.2	1	ANELLO OR 2,62x42,52
10	84.0561.00.2	1	RACCORDO CURVO D.30	40	80.3209.10.2	2	ANELLO OR 2,62x40,95
10	84.0566.00.2	1	RACCORDO CURVO D.32 (optional)	41	84.0610.00.2	1	RACCORDO CURVO D.50
10	84.0570.00.2	1	RACCORDO CURVO D.35 (optional)	41	84.1643.00.2	1	RACCORDO DIRITTO D50 (optional)
10	84.0571.00.2	1	RACCORDO CURVO D.38 (optional)	42	82.0120.00.2	1	GALLETTO G.2
10	84.0591.00.2	1	RACCORDO CURVO D.40 (optional)	43	84.3685.50.2	24	ROSETTA D.8,2x15x1,5 UNI1750
11	80.3219.10.2	1	ANELLO OR 3,0x30	44	86.2860.00.2	24	VITE TCEI M8x45 UNI5931
12	25.0206.32.2	1	NIPPLO DI SCARICO	45	83.5093.00.2	1	NIPPLO G.2 - M45x2
13	80.3209.20.2	1	ANELLO OR 2,62x42,52	46	24.3015.97.3	1	VALVOLA SICUREZZA 15BAR (optional)
14	14.0006.32.2	2	MANICOTTO DI COLLEGAMENTO M45X2	47	14.0012.32.2	1	CORPO SERBATOIO
15	80.3219.20.2	48	ANELLO OR 3,0x35	48	80.3109.20.2	1	ANELLO OR 1,8x67
16	14.0004.32.2	12	RACCORDO DI COLLEGAMENTO	49	86.2216.00.2	2	VITE TCEI M6x25 UNI5931
17	14.0005.32.2	8	MANICOTTO DI COLLEGAMENTO	50	28.0144.32.2	1	COPERCHIO SERBATOIO
18	85.2576.00.2	2	TAPPO G.3/8	51	62.9811.97.3	6	KIT VITE/PIATTELLO D.65
19	14.0007.32.2	2	MANICOTTO COLL.-FORO G.3/8	53	62.0019.01.2	6	CAMICIA POLY 2260
20	14.0001.09.2	1	CARTER POMPA	53	62.0020.01.2	6	CAMICIA POLY 2250
21	80.2143.10.2	2	ANELLO RADIALE D.35x52x7	54	81.8540.00.2	6	FASCIA ELASTICA
22	81.2867.00.2	1	CUSCINETTO SFERE 35x80x21	55	62.0018.09.2	6	PISTONE
23	14.0016.01.2	2	DISTANZIALE ALBERO	56	80.0021.00.2	12	ANELLO D.15 X FORO
24	14.0015.76.2	2	ANELLO SERRAGGIO BIELLE	57	85.2006.70.2	6	SPINOTTO D.15x46
25	14.0027.11.2	6	BIELLA SINGOLA IN BRONZO	58	14.0017.72.2	1	GUARNIZIONE SERBATOIO OLIO
26	14.0009.26.2	1	ALBERO POLY 2260	59	80.1369.00.2	1	ANELLO ELSTICO D.52
26	14.0002.26.2	1	ALBERO POLY 2250				
27	82.4079.00.2	1	GUARNIZIONE D.13,2x17x1				
28	86.3694.50.2	1	VITE TCEI M12x20 UNI5931				
29	14.0018.61.2	2	PIEDINO POMPA				

* IN VITON REPLACE THE LAST 3 NUMBERS BY....50.2

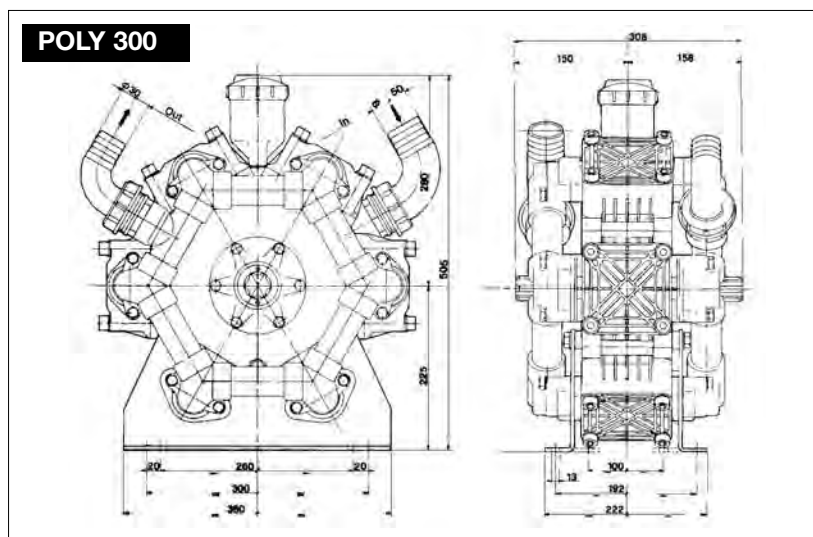
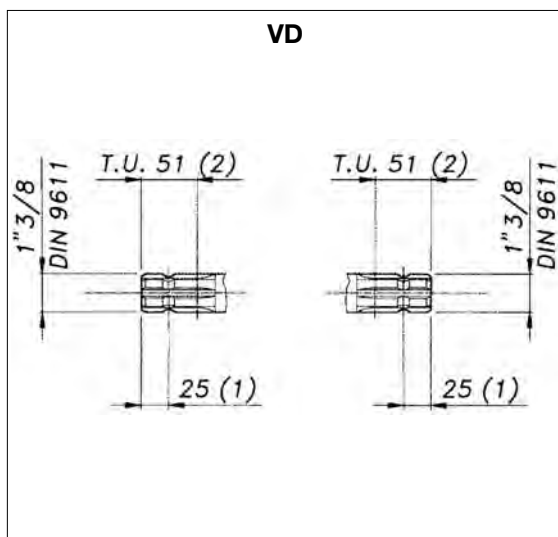
³ IN VITON REPLACE THE LAST 3 NUMBERS BY....30.2

POLY 300



ALBERO POMPA - PUMP SHAFT

DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



Installazione e norme generali di sicurezza
 Pag. 2

Installation and general safety information
 Page 8

Istruzioni di manutenzione pompe a
 membrana Pag. 5

Maintenance instructions for diaphragm
 pumps Page 11

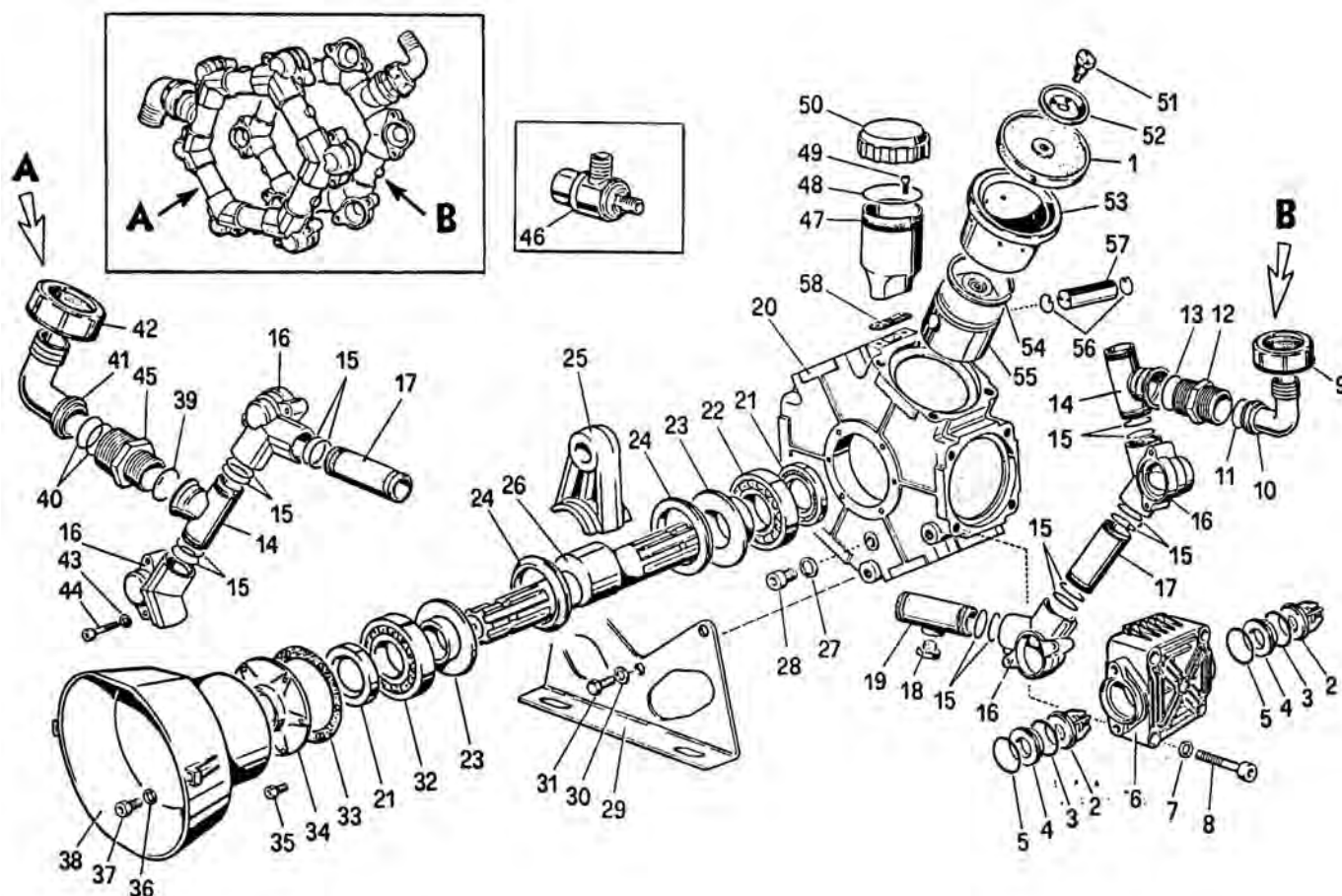
COPPIA DI SERRAGGIO - TORQUE CHART

CODICE CODE	Q.TY	N. POS.	POLY 300	
			N.m	Lbr.ft
28.0037.51.2	6	51	12	8.9
86.2216.00.2	2	49	8	5.9
86.2562.50.2	6	35	22	16.2
86.2860.00.2	24	44	10	7.4
86.3740.50.2	6	31	68	50.2
86.4068.00.2	24	8	40	29.5
TOLLERANZA DI SERRAGGIO:			0 → - 10%	
TOLERANCE ON TORQUE VALUE:			0 → - 10%	

KIT RICAMBI - SPARES KIT POLY 300

KIT	CODICE PART NUMBER	14.9880.97.3	14.9870.97.3	14.9872.97.3	14.9871.97.3	14.9873.97.3	14.9806.97.3		
	DESCRIZIONE DESCRIPTION	KIT POMPA PUMP KIT	VAM VALVES ASSY	VAM - INOX VALVES ASSY	MEMBRANE BUNA - N DIAPHRAGMS	MEMBRANE DESMOPAN DIAPHRAGMS	MEMBRANE VITON DIAPHRAGMS		
POSIZIONE ESPLOSO POSITION NUMBER		21 5 15 3 33	2 3 5	2 3 5	1 3 5	1 3 5	1 3 5 15		
QUANTITÀ NEL KIT QUANTITIES INCLUDED		2 12 48 12 1	12 12 12	12 12 12	6 12 12	6 12 12	6 12 12 48		

POLY 300



NOMENCLATURA RICAMBI POMPE A MEMBRANA "POLY 300"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	28.0040.31.2	6	MEMBRANA PISTONE	30	84.3844.50.2	6	ROSETTA D.12,2x21x2,5
1	28.0040.33.2	6	MEMBRANA PISTONE VITON	31	86.3740.50.2	6	VITE TE M12x30 UNI5739
1	28.0040.00.2	6	MEMBRANA PISTONE DESMOPAN	32	81.2876.00.2	1	CUSCINETTO SFERE 35x100x25
2	28.9809.97.3	12	GR. VALVOLA A/M INOX	33	91.0110.72.2	1	GUARNIZIONE COPERCHIO
2	63.9800.97.3	12	GR. VALVOLA A/M PLAST. (OPTIONAL)	34	14.0011.09.2	1	COPERCHIO
3	80.3314.00.2	12	ANELLO OR 4,5x40	35	86.2562.50.2	6	VITE TCEI M8x20 UNI5931
4	28.0229.32.2	12	DISTANZIALE VALVOLE A/M	36	84.3710.00.2	2	ROSETTA D.9x24x2 (OPTIONAL)
5	80.3209.40.2	12	ANELLO OR 2,62x44,12	37	86.2682.50.2	2	VITE TCEI M8x25 UNI5931 (OPTIONAL)
6	28.0200.32.2	6	TESTATA POLIPROPILENE	38	31.1482.32.2	1	CUFFIA DI PROTEZIONE (OPTIONAL)
7	84.3844.50.2	24	ROSETTA D.12,2x21x2,5	39	80.3209.20.2	1	ANELLO OR 2,62x42,52
8	86.4068.00.2	24	VITE TCEI M12x75 UNI5931	40	80.3209.10.2	4	ANELLO OR 2,62x40,95
9	82.0070.00.2	1	GALLETTO G.1"1/2	41	84.0610.00.2	2	RACCORDO CURVO D.50
10	84.0561.00.2	1	RACCORDO CURVO D.30	42	82.0120.00.2	2	GALLETTO G.2"
10	84.0566.00.2	1	RACCORDO CURVO D.32 (OPTIONAL)	43	84.3685.50.2	24	ROSETTA D.8,2x15x1,5
10	84.0570.00.2	1	RACCORDO CURVO D.35 (OPTIONAL)	44	86.2860.00.2	24	VITE TCEI M8x45 UNI5931
10	84.0571.00.2	1	RACCORDO CURVO D.38 (OPTIONAL)	45	83.5093.00.2	2	NIPLO G.2"-M45x2
10	84.0591.00.2	1	RACCORDO CURVO D.40 (OPTIONAL)	46	24.3015.97.3	1	VALVOLA SICUREZZA 15bar (OPTIONAL)
11	80.3219.10.2	1	ANELLO OR 3,0x30	47	14.0012.32.2	1	CORPO SERBATOIO OLIO
12	25.0206.32.2	1	NIPLO G.1"1/2-M45x2	48	80.3109.20.2	1	ANELLO OR 1,8x67
13	80.3209.20.2	1	ANELLO OR 2,62x42,52	49	86.2216.00.2	2	VITE TCEI M6x25 UNI5931
14	14.0006.32.2	3	MANICOTTO DI COLLEGAMENTO M45x2 F.	50	28.0044.32.2	1	COPERCHIO SERBATOIO OLIO
15	80.3219.20.2	48	ANELLO OR 3,0x35	51	28.0037.51.2	6	VITE FISSAGGIO MEMBRANA
16	14.0004.32.2	12	RACCORDO DI COLLEGAMENTO	52	28.0036.32.2	6	PIATTELLO MEMBRANA
17	14.0005.32.2	7	MANICOTTO DI COLLEGAMENTO	53	14.0025.01.2	6	CAMICIA D.78 POLY 300
18	85.2576.00.2	2	TAPPO G.3/8 RILSAN	54	81.8540.00.2	6	FASCIA ELASTICA
19	14.0007.32.2	2	MANICOTTO DI COLLEGAMENTO G.3/8 F.	55	28.0010.08.2	6	PISTONE D.78
20	14.0001.07.2	1	CARTER POMPA	56	80.0038.00.2	12	ANELLO D.18 PER FORO
21	80.2143.10.2	2	ANELLO RADIALE D.35x52x7	57	85.2027.00.2	6	SPINOTTO D.18x70
22	81.2867.00.2	1	CUSCINETTO SFERE 35x80x21	58	14.0017.72.2	1	GUARNIZIONE SERBATOIO OLIO
23	14.0016.01.2	2	DISTANZIALE ALBERO ECCENTRICO				
24	14.0015.76.2	2	ANELLO BIELLE				
25	14.0023.11.2	6	BIELLA SINGOLA IN BRONZO				
26	14.0024.26.2	1	ALBERO ECCENTRICO POLY 300				
27	82.4079.00.2	1	GUARNIZIONE D.13,2x17x1 RAME				
28	86.3694.50.2	1	VITE TCEI M12x20 UNI5931				
29	14.0018.61.2	2	PIEDINO POMPA				

POLY 2300

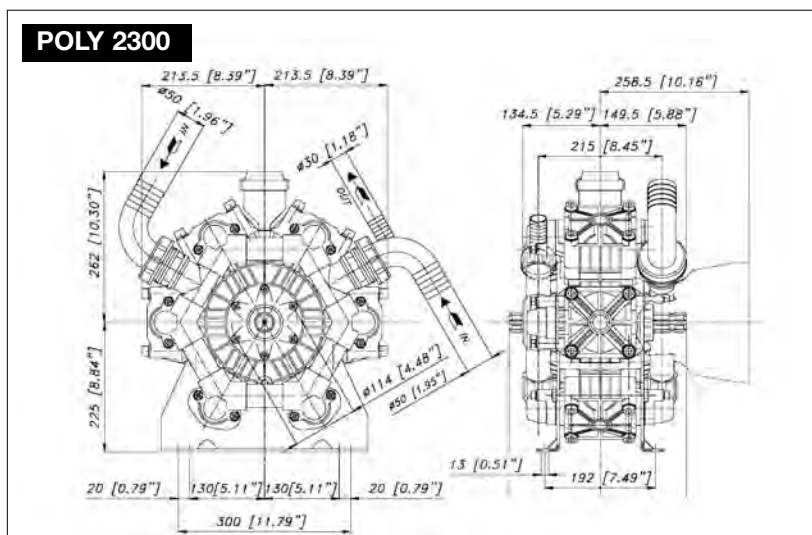
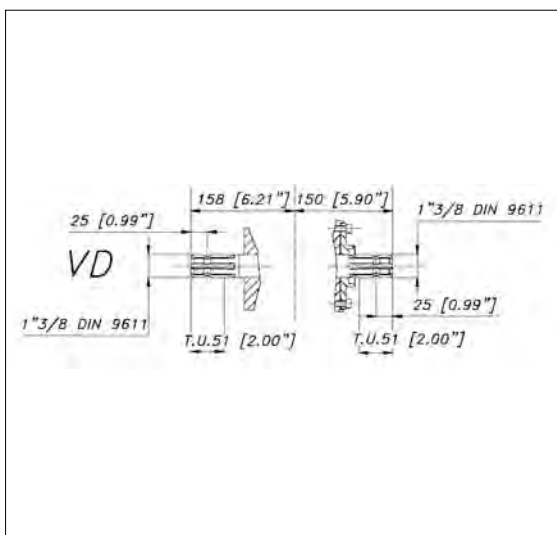


IDROMECCANICA[®]
BERTOLINI



ALBERO POMPA - PUMP SHAFT

DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



Installazione e norme generali di sicurezza
 Pag. 2

Installation and general safety information
 Page 8

Istruzioni di manutenzione pompe a
 membrana Pag. 5

Maintenance instructions for diaphragm
 pumps Page 11

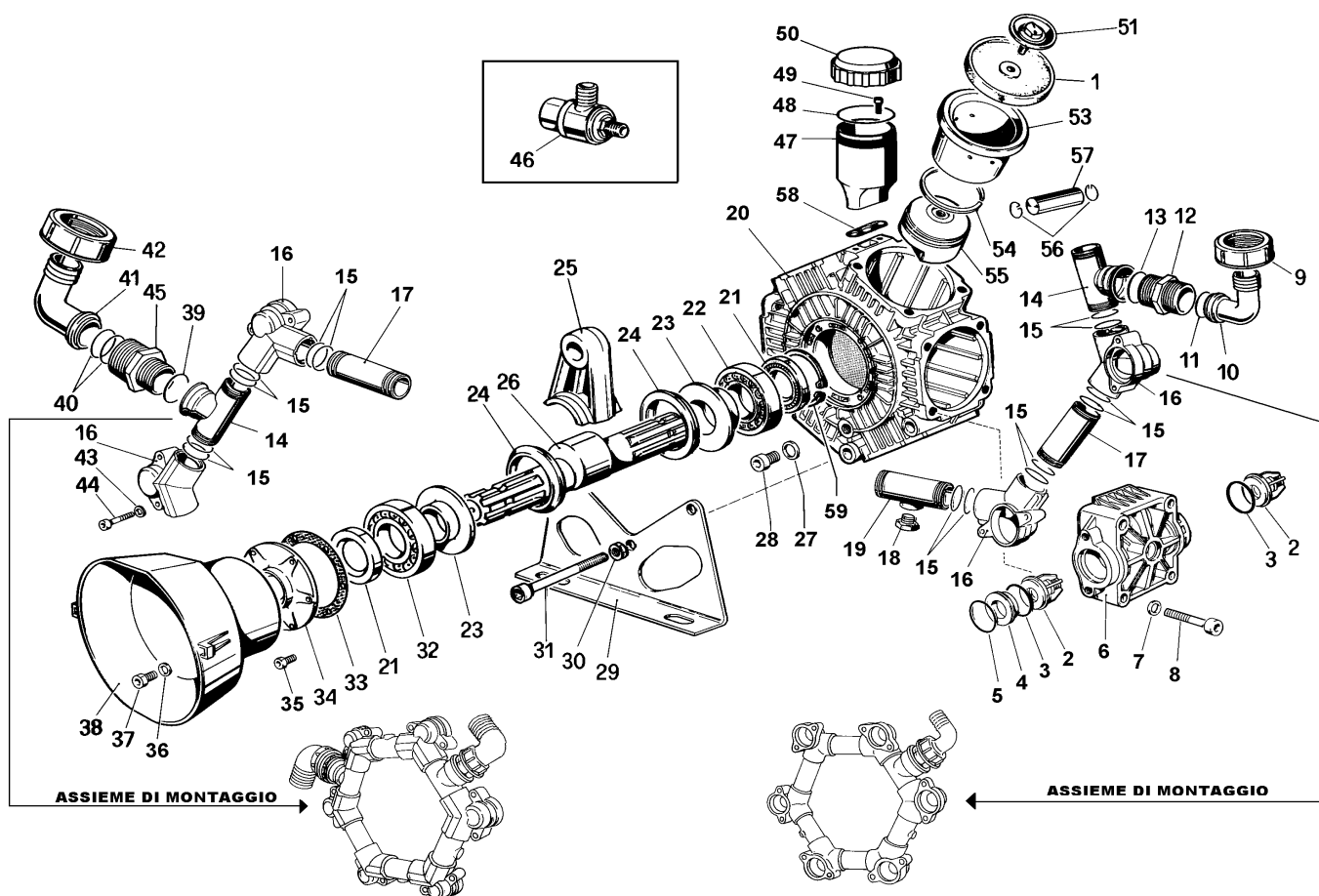
COPPIA DI SERRAGGIO - TORQUE CHART

CODICE CODE	Q.TY	N. POS.	POLY 2300	
			N.m	Lbr.ft
62.9811.97.3	6	51	25	18.4
85.2576.00.2	2	18	5 (LOXEAL 24-18)	3.7 (LOXEAL 24-18)
86.2216.00.2	2	49	8 (LOXEAL 24-18)	5.9 (LOXEAL 24-18)
86.3694.50.2	1	28	40	29.5
86.2562.50.2	6	35	22	16.3
86.2682.50.2	2	37	22	16.3
86.2860.00.2	24	44	10	7.4
86.4139.00.2	2	31	40	29.5
86.4068.00.2	24	8	40	29.5
TOLLERANZA DI SERRAGGIO:			0	
TOLERANCE ON TORQUE VALUE:			- 10%	

KIT RICAMBI - SPARES KIT POLY 2300

KIT	CODICE PART NUMBER	14.9874.97.3	14.9875.97.3	14.9876.97.3	14.9877.97.3	14.9878.97.3	14.9881.97.3	14.9882.97.3		
	DESCRIZIONE DESCRIPTION	KIT POMPA PUMP KIT	VAM VALVES ASSY	VAM INOX VALVES ASSY	MEMBRANE BUNA - N DIAPHRAGMS	MEMBRANE DESMOPAN DIAPHRAGMS	MEMBRANE VITON DIAPHRAGMS	MEMBRANE PENTAX DIAPHRAGMS		
POSIZIONE ESPLOSO POSITION NUMBER		3 15 21 33 5	2 3 5	2 3 5	1 3	1 3	1 3 5 15 13 39	1 3		
QUANTITÀ NEL KIT QUANTITIES INCLUDED		12 48 2 1 6	12 12 6	12 12 6	6 12	6 12	6 12 6 48 1 1	6 12		

POLY 2300



NOMENCLATURA RICAMBI POMPE A MEMBRANA "POLY 2300"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	62.0040.00.2	6	MEMBRANA DESMOPAN	31	86.4139.00.2	3	VITE M12x160 UNI 5737
1	62.0040.31.2	6	MEMBRANA BUNA - N (optional)	32	81.2876.00.2	1	CUSCINETTO SFERE 35x100x25
1	62.0040.33.2	6	MEMBRANA VITON (optional)	33	91.0110.72.2	1	GUARNIZIONE COPERCHIO
2	28.9809.97.3	12	VALVOLA ASPMAND. INOX	34	14.0011.09.2	1	COPERCHIO
3	80.3314.00.2	12	ANELLO OR 4,5x40	35	86.2562.50.2	6	VITE TCEI M8x20 UNI5931
4	28.0229.32.2	6	DISTANZIALE VALVOLA	36	84.3696.00.2	2	ROSETTA D.8.4x18x2 UNI1734 (optional)
5	80.3209.40.2	6	ANELLO OR 2,62x44,12	37	86.2682.50.2	2	VITE TCEI M8x25 UNI5931 (optional)
6	62.0025.32.2	6	TESTATA	38	31.1482.32.2	1	CUFFIA DI PROTEZIONE L=180 (optional)
7	84.3844.50.2	24	ROSETTA D.12,2x21x2,5 UNI1750	38	31.1468.32.2	1	CUFFIA DI PROTEZIONE L=135 (optional)
8	86.4068.00.2	24	VITE TCEI M12x75 UNI5931	39	80.3209.20.2	2	ANELLO OR 2,62x42,52
9	82.0070.00.2	1	GALLETTO G.1"1/2	40	80.3209.10.2	4	ANELLO OR 2,62x40,95
10	84.0561.00.2	1	RACCORDO CURVO D.30	41	84.0610.00.2	2	RACCORDO CURVO D.50
10	84.0566.00.2	1	RACCORDO CURVO D.32 (optional)	41	84.1643.00.2	2	RACCORDO DIRITTO D50 (optional)
10	84.0570.00.2	1	RACCORDO CURVO D.35 (optional)	42	82.0120.00.2	2	GALLETTO G.2
10	84.0571.00.2	1	RACCORDO CURVO D.38 (optional)	43	84.3685.50.2	24	ROSETTA D.8,2x15x1,5 UNI1750
10	84.0591.00.2	1	RACCORDO CURVO D.40 (optional)	44	86.2860.00.2	24	VITE TCEI M8x45 UNI5931
11	80.3219.10.2	1	ANELLO OR 3,0x30	45	83.5093.00.2	2	NIPPOLO G.2 - M45x2
12	25.0206.32.2	1	NIPPOLO DI SCARICO	46	24.3015.97.3	1	VALVOLA SICUREZZA 15BAR (optional)
13	80.3209.20.2	1	ANELLO OR 2,62x42,52	47	14.0012.32.2	1	CORPO SERBATOIO
14	14.0006.32.2	3	MANICOTTO DI COLLEGAMENTO M45X2	48	80.3109.20.2	1	ANELLO OR 1,8x67
15	80.3219.20.2	48	ANELLO OR 3,0x35	49	86.2216.00.2	2	VITE TCEI M6x25 UNI5931
16	14.0004.32.2	12	RACCORDO DI COLLEGAMENTO	50	28.0144.32.2	1	COPERCHIO SERBATOIO
17	14.0005.32.2	8	MANICOTTO DI COLLEGAMENTO	51	62.9811.97.3	6	KIT VITE/PIATTELLO D.65
18	85.2576.00.2	2	TAPPO G.3/8	53	62.0021.01.2	6	CAMICIA POLY 2300
19	14.0007.32.2	2	MANICOTTO COLL.-FORO G.3/8	54	81.8540.00.2	6	FASCIA ELASTICA
20	14.0001.09.2	1	CARTER POMPA	55	62.0018.09.2	6	PISTONE
21	80.2143.10.2	2	ANELLO RADIALE D.35x52x7	56	80.0021.00.2	12	ANELLO D.15 X FORO
22	81.2867.00.2	1	CUSCINETTO SFERE 35x80x21	57	85.2006.70.2	6	SPINOTTO D.15x46
23	14.0016.01.2	2	DISTANZIALE ALBERO	58	14.0017.72.2	1	GUARNIZIONE SERBATOIO OLIO
24	14.0015.76.2	2	ANELLO SERRAGGIO BIELLE	59	80.1369.00.2	1	ANELLO ELSTICO D.52
25	14.0027.11.2	6	BIELLA SINGOLA IN BRONZO				
26	14.0024.26.2	1	ALBERO POLY 2300				
27	82.4079.00.2	1	GUARNIZIONE D.13,2x17x1				
28	86.3694.50.2	1	VITE TCEI M12x20 UNI5931				
29	14.0018.61.2	2	PIEDINO POMPA				
30	81.4689.50.2	3	DADO M12 UNI5589				

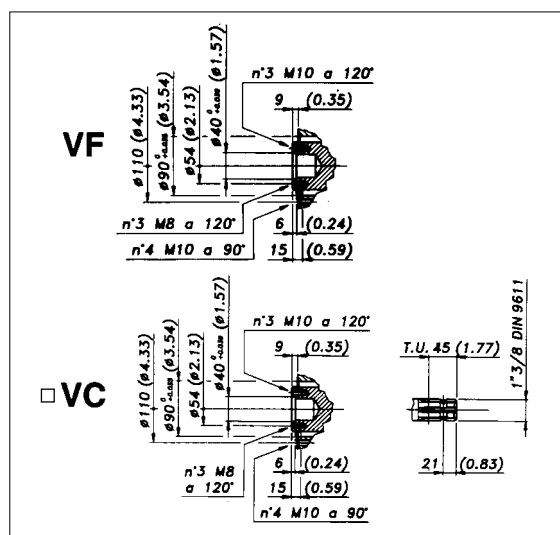
★ IN VITON REPLACE THE LAST 3 NUMBERS BY....50.2

³ IN VITON REPLACE THE LAST 3 NUMBERS BY....30.2

PA 330

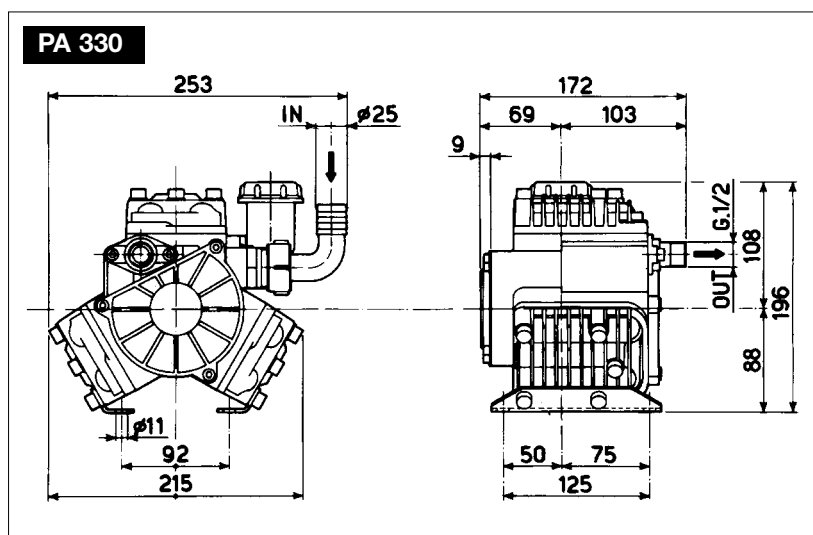


ALBERO POMPA - PUMP SHAFT



□ Versione VC: non ancora disponibile
VC version: not yet available

DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



COPPIA DI SERRAGGIO - TORQUE CHART

CODICE CODE	Q.TY	N. POS.	PA 330	
			N.m	Lbr.ft
86.2131.00.2	3	9	10	7.4
86.2730.00.2	2	20	10	7.4
86.2168.00.2	2	7	10	7.4
86.2852.00.2	11	43	22	16.2
86.2893.00.2	4	13	22	16.2
86.3185.00.2	4	36	22	16.2
94.0048.43.2	3	44	5	3.7
03.0021.97.3	3	44	5	3.7
TOLLERANZA DI SERRAGGIO:			0 → - 10%	
TOLLERANCE ON TORQUE VALUE:			0 → - 10%	

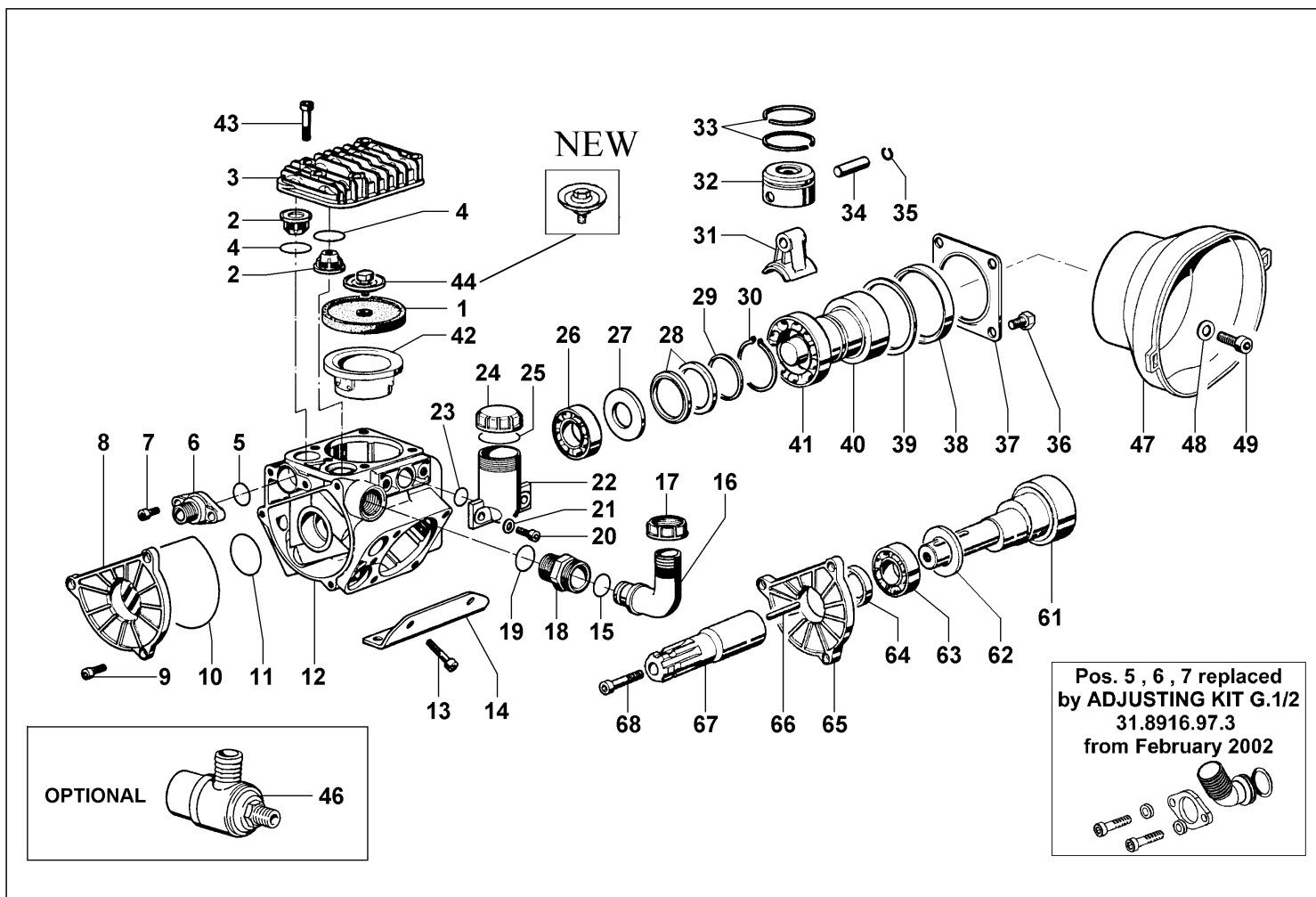
Installazione e norme generali di sicurezza
Pag. 2
Installation and general safety information
Page 8

Istruzioni di manutenzione pompe a
membrana Pag. 5
Maintenance instructions for diaphragm
pumps Page 11

KIT RICAMBI - SPARES KIT PA 330

KIT	CODICE PART NUMBER	03.9830.97.3				03.9850.97.3		03.9851.97.3		03.9873.97.3					
	DESCRIZIONE DESCRIPTION	KIT POMPA PUMP KIT				VAM VALVES ASSY		MEMBRANE BUNA - N DIAPHRAGMS		MEMBRANE DESMOPAN DIAPHRAGMS					
	POSIZIONE ESPLOSO POSITION NUMBER	4	38	10	11	2	4	1	4	1	4				
	QUANTITÀ NEL KIT QUANTITIES INCLUDED	6	1	1	1	6	6	3	6	3	6				

PA 330



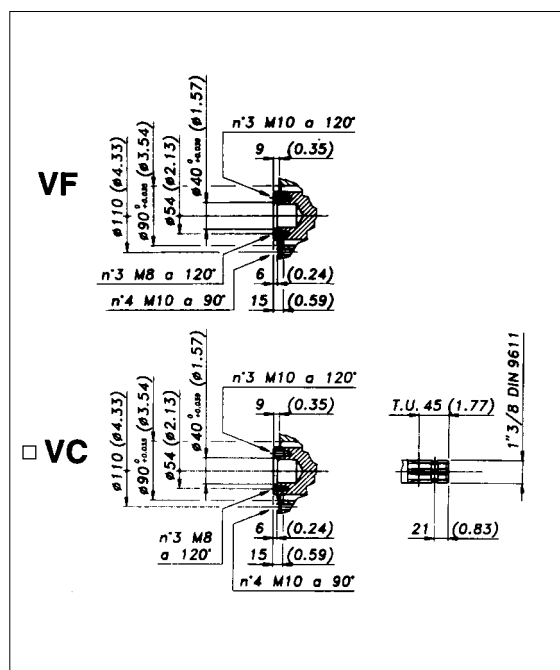
NOMENCLATURA RICAMBI POMPE A MEMBRANA "PA 330"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	03.0040.31.2	3	MEMBRANA PISTONE	31	03.0005.09.2	3	BIELLA SINGOLA
1	03.0040.00.2	3	MEMBRANA PISTONE DESMOPAN	32	03.0006.09.2	3	PISTONE
2	03.9801.97.3	6	GRUPPO VALVOLA A/M	33	81.8502.50.2	6	FASCIA ELASTICA D.48
3	03.9820.97.3	3	ASSIEME TESTATA	34	85.2006.00.2	3	SPINOTTO D.10
4	03.0016.31.2	6	GUARNIZIONE VALVOLA A/M	35	80.0003.00.2	6	ANELLO D.10
5	80.3218.00.2	1	ANELLO OR 3,0x22	36	86.3185.00.2	4	VITE TE M10x16 UNI5739
6	31.0268.28.2	1	RACCORDO G.1/2	37	17.0013.61.2	1	COPERCHIO P.D.F.
6	31.1198.28.2	1	RACCORDO 1/2" NPT (OPTIONAL)	38	80.2264.10.2	1	ANELLO RADIALE
6	31.8916.97.3	1	KIT MANDATA G. 1/2 ORIENTABILE	39	03.0015.61.2	1	ANELLO SPALLAMENTO CUSCINETTO
6	31.8918.97.3	1	KIT MANDATA 1/2 NPT ORIENTABILE (OPTIONAL)	40	03.0017.26.2	1	ALBERO ECCENTRICO "VF"
7	86.2168.00.2	2	VITE TCEI M6x22 UNI5931	40	03.0038.26.2	1	ALBERO ECCENTRICO "RT2"
8	03.0003.09.2	1	COPERCHIO ASPIRAZIONE "VF"	41	81.2933.00.2	1	CUSCINETTO SFERE
9	86.2131.00.2	3	VITE TCEI M6x18 UNI5931	42	03.0007.01.2	3	CAMICIA "VF" - "VC"
10	80.3210.66.2	1	ANELLO OR 2,62x101,27	42	03.0036.01.2	3	CAMICIA "RT2"
11	80.3208.30.2	1	ANELLO OR 2,62x36,14	43	86.2852.00.2	11	VITE TCEI M8x45 UNI5931
12	03.0001.09.2	1	CARTER POMPA	44	03.0021.97.3	3	KIT VITE/PIATTELLO MEMBRANA
13	86.2893.00.2	4	VITE TCEI M8x50 UNI5931	44	94.0036.32.2	3	PIATTELLO fino al 4/99
14	03.0014.61.2	2	PIEDINO POMPA	44	94.0048.43.2	3	VITE fino al 04/99
15	80.3200.00.2	1	ANELLO OR 2,62x22,22	46	24.3040.97.3	1	VALVOLA SICUREZZA 40 BAR (OPTIONAL)
16	84.0542.00.2	1	RACCORDO CURVO D.25	47	31.1482.32.2	1	CUFFIA DI PROTEZIONE (OPTIONAL)
17	82.0049.00.2	1	GALLETTO M34	48	84.3810.00.2	4	ROSETTA D.10,5x21x2 (OPTIONAL)
18	83.5062.10.2	1	NIPPLO G.3/4-M34	49	86.3212.00.2	4	VITE TCEI M10x20 UNI5931 (OPTIONAL)
19	80.3205.00.2	1	ANELLO OR 2,62x25,07	61	03.0027.26.2	1	ALBERO ECCENTRICO "VC"
20	86.2730.00.2	2	VITE TCEI M8x30 UNI5931	62	03.0013.61.2	1	ANELLO SPALLAMENTO BIELLA "VC"
21	84.3685.00.2	2	ROSETTA D.8,2x15x1,5	63	81.2707.00.2	1	CUSCINETTO SFERE "VC"
22	23.0008.32.2	1	SERBATOIO OLIO	64	80.2092.10.2	1	ANELLO RADIALE "VC"
23	80.3180.00.2	2	ANELLO OR 2,62x15,08	65	03.0023.09.2	1	COPERCHIO ASPIRAZIONE "VC"
24	85.2750.00.2	1	TAPPO SERBATOIO OLIO	66	80.6539.00.2	1	LINGUETTA 8x7x40 "VC"
25	82.4120.00.2	1	GUARNIZIONE D.45	67	31.0601.42.2	1	PROLUNGA ALBERO SCANALATO "VC"
26	81.2646.00.2	1	CUSCINETTO SFERE	68	86.3076.00.2	1	VITE TE M8x100 UNI5737 "VC"
27	03.0011.61.2	1	ANELLO SPALLAMENTO ALBERO				
28	94.0047.76.2	2	ANELLO BIELLE				
29	03.0012.61.2	1	ANELLO SPALLAMENTO				
30	80.1331.00.2	1	ANELLO D.45 PER ALBERO				

PA 430



ALBERO POMPA - PUMP SHAFT

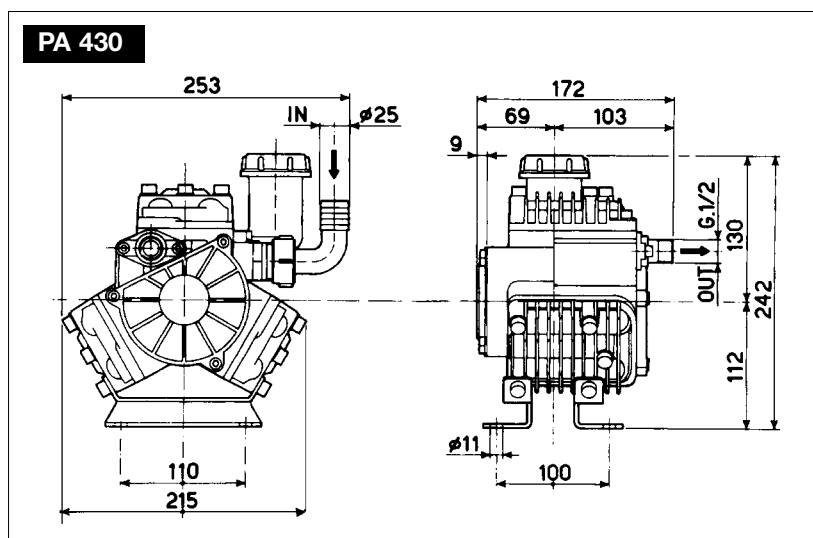


□ Versione VC: non ancora disponibile
VC version: not yet available

Installazione e norme generali di sicurezza
Pag. 2
Installation and general safety information
Page 8

Istruzioni di manutenzione pompe a
membrana Pag. 5
Maintenance instructions for diaphragm
pumps Page 11

DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



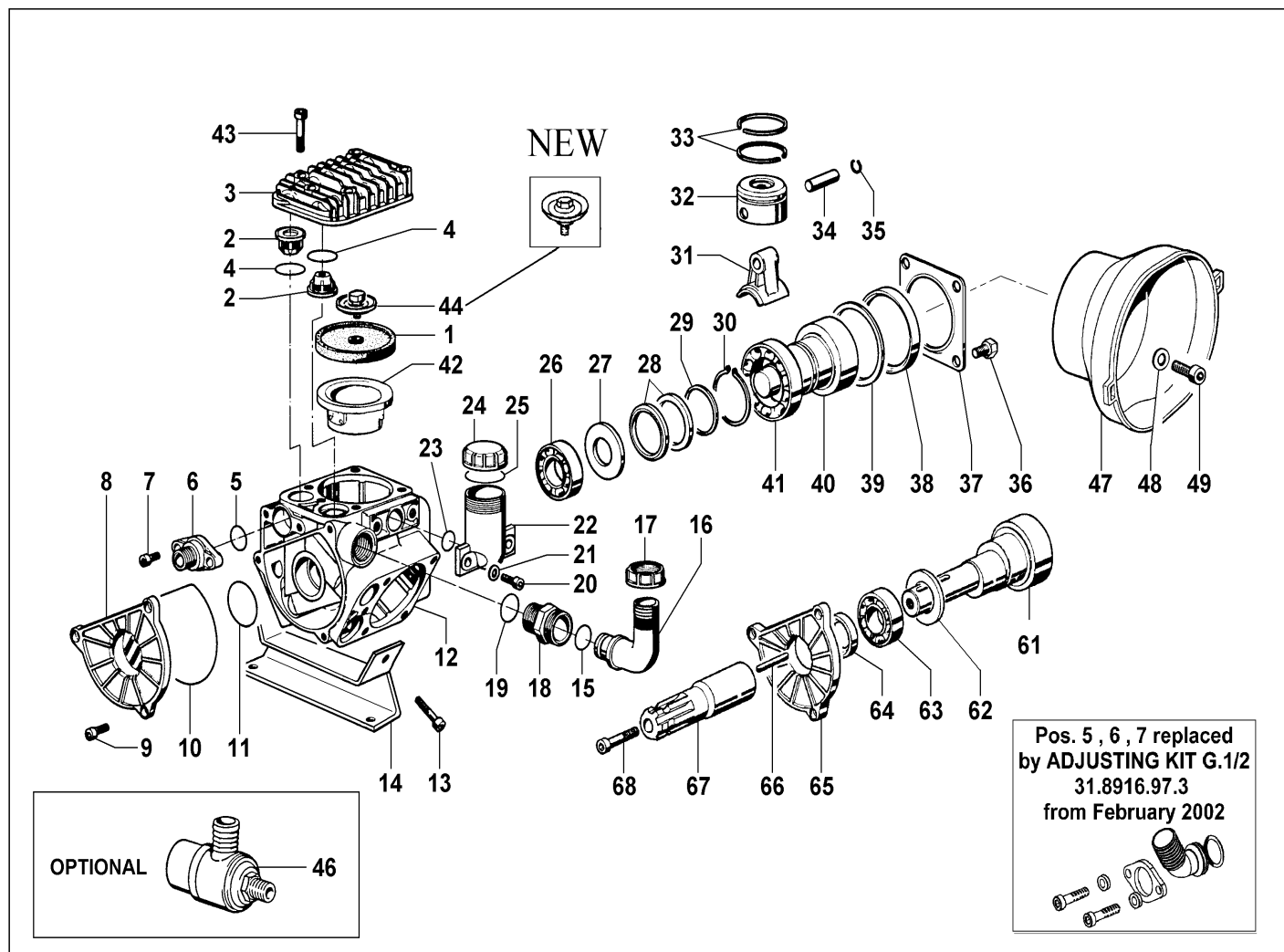
COPPIA DI SERRAGGIO - TORQUE CHART

CODICE CODE	Q.TY	N. POS.	PA 430	
			N.m	Lbr.ft
86.2131.00.2	3	9	10	7.4
86.2730.00.2	2	20	10	7.4
86.2168.00.2	2	7	10	7.4
86.2852.00.2	11	43	22	16.2
86.2893.00.2	4	13	22	16.2
86.3185.00.2	4	36	22	16.2
94.0048.43.2	3	44	5	3.7
03.0021.97.3	3	44	5	3.7
TOLLERANZA DI SERRAGGIO:			0 → - 10%	
TOLERANCE ON TORQUE VALUE:			0 → - 10%	

KIT RICAMBI - SPARES KIT PA 430

KIT	CODICE PART NUMBER	03.9830.97.3				03.9850.97.3		03.9851.97.3		03.9873.97.3					
	DESCRIZIONE DESCRIPTION	KIT POMPA PUMP KIT				VAM VALVES ASSY		MEMBRANE BUNA - N DIAPHRAGMS		MEMBRANE DESMOPAN DIAPHRAGMS					
	POSIZIONE ESPLOSO POSITION NUMBER	4	38	10	11	2	4	1	4	1	4				
	QUANTITÀ NEL KIT QUANTITIES INCLUDED	6	1	1	1	6	6	3	6	3	6				

PA 430



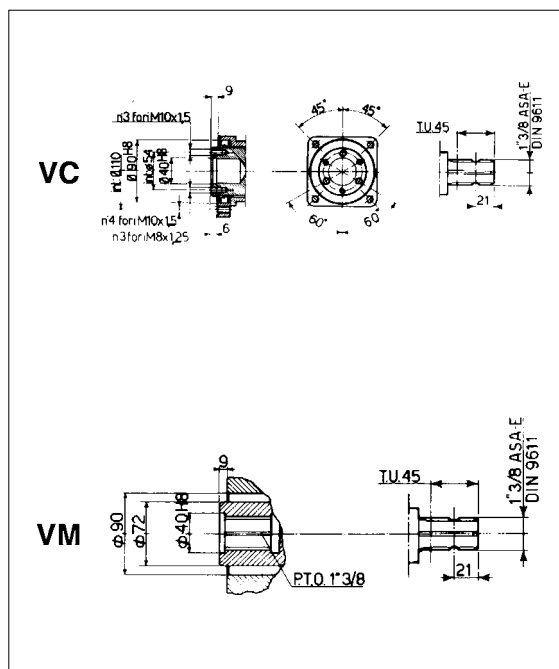
NOMENCLATURA RICAMBI POMPE A MEMBRANA "PA 430"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	03.0040.31.2	3	MEMBRANA PISTONE	29	03.0012.61.2	1	ANELLO SPALLAMENTO
1	03.0040.00.2	3	MEMBRANA PISTONE DESMOPAN	30	80.1331.00.2	1	ANELLO D.45 PER ALBERO
2	03.9801.97.3	6	GRUPPO VALVOLA A/M	31	03.0005.09.2	3	BIELLA SINGOLA
3	03.9820.97.3	3	ASSIEME TESTATA	32	03.0006.09.2	3	PISTONE
4	03.0016.31.2	6	GUARNIZIONE VALVOLA A/M	33	81.8502.50.2	6	FASCIA ELASTICA D.48
5	80.3218.00.2	1	ANELLO OR 3,0x22	34	85.2006.00.2	3	SPINOTTO D.10
6	31.0268.28.2	1	RACCORDO G.1/2	35	80.0003.00.2	6	ANELLO D.10
6	31.1198.28.2	1	RACCORDO 1/2" NPT (OPTIONAL)	36	86.3185.00.2	4	VITE TE M10x16 UNI5739
6	31.8916.97.3	1	KIT MANDATA G. 1/2 ORIENTABILE	37	17.0013.61.2	1	COPERCHIO P.D.F.
6	31.8918.97.3	1	KIT MANDATA 1/2 NPT ORIENTABILE (OPTIONAL)	38	80.2264.10.2	1	ANELLO RADIALE
7	86.2168.00.2	2	VITE TCEI M6x22 UNI5931	39	03.0015.61.2	1	ANELLO SPALLAMENTO CUSCINETTO
8	03.0003.09.2	1	COPERCHIO ASPIRAZIONE "VF"	40	03.0018.26.2	1	ALBERO ECCENTRICO "VF"
9	86.2131.00.2	3	VITE TCEI M6x18 UNI5931	41	81.2933.00.2	1	CUSCINETTO SFERE
10	80.3210.66.2	1	ANELLO OR 2,62x101,27	42	03.0008.01.2	3	CAMICIA
11	80.3208.30.2	1	ANELLO OR 2,62x36,14	43	86.2852.00.2	11	VITE TCEI M8x45 UNI5931
12	03.0001.09.2	1	CARTER POMPA	44	03.0021.97.3	3	KIT VITE/PIATTELLO MEMBRANA
13	86.2893.00.2	4	VITE TCEI M8x50 UNI5931	44	94.0036.32.2	3	PIATTELLO fino al 04/99
14	03.0022.61.2	2	PIEDINO POMPA	44	94.0048.43.2	3	VITE fino al 04/99
15	80.3200.00.2	1	ANELLO OR 2,62x22,22	46	24.3040.97.3	1	VALVOLA SICUREZZA 40 BAR (OPTIONAL)
16	84.0542.00.2	1	RACCORDO CURVO D.25	47	31.1482.32.2	1	CUFFIA DI PROTEZIONE (OPTIONAL)
17	82.0049.00.2	1	GALLETTO M34	48	84.3810.00.2	4	ROSETTA D.10,5x21x2 (OPTIONAL)
18	83.5062.10.2	1	NIPPLO G.3/4-M34	49	86.3212.00.2	4	VITE TCEI M10x20 UNI5931 (OPTIONAL)
19	80.3205.00.2	1	ANELLO OR 2,62x25,07	61	03.0028.26.2	1	ALBERO ECCENTRICO "VC"
20	86.2730.00.2	2	VITE TCEI M8x30 UNI5931	62	03.0013.61.2	1	ANELLO SPALLAMENTO BIELLA "VC"
21	84.3685.00.2	2	ROSETTA D.8,2x15x1,5	63	81.2707.00.2	1	CUSCINETTO SFERE "VC"
22	23.0008.32.2	1	SERBATOIO OLIO	64	80.2092.10.2	1	ANELLO RADIALE "VC"
23	80.3180.00.2	1	ANELLO OR 2,62x15,08	65	03.0023.09.2	1	COPERCHIO ASPIRAZIONE "VC"
24	85.2750.00.2	1	TAPPO SERBATOIO OLIO	66	80.6539.00.2	1	LINGUETTA 8x7x40 "VC"
25	82.4120.00.2	1	GUARNIZIONE D.45	67	31.0601.42.2	1	PROLUNGA ALBERO SCANALATO "VC"
26	81.2646.00.2	1	CUSCINETTO SFERE	68	86.3076.00.2	1	VITE TE M8x100 UNI5737 "VC"
27	03.0011.61.2	1	ANELLO SPALLAMENTO ALBERO				
28	94.0047.76.2	2	ANELLO BIELLE				

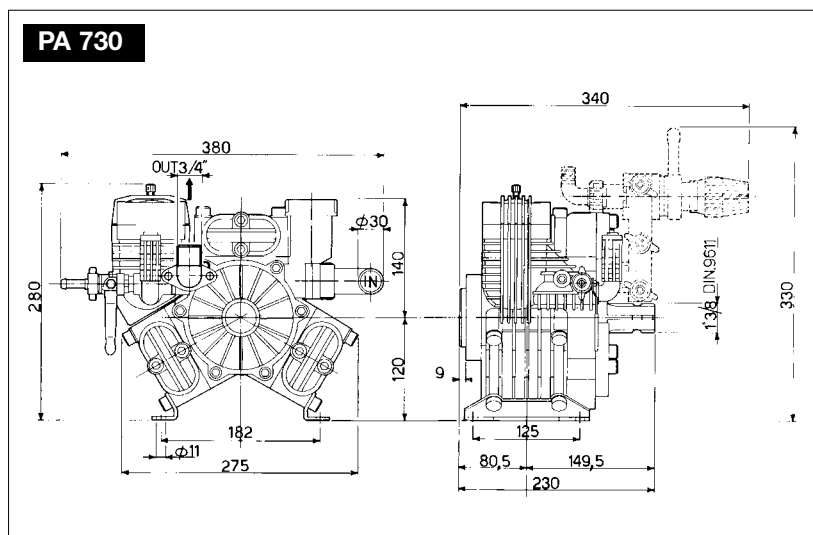
PA 730



ALBERO POMPA - PUMP SHAFT



DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



Installazione e norme generali di sicurezza
Pag. 2

Installation and general safety information
Page 8

Istruzioni di manutenzione pompe a
membrana Pag. 5

Maintenance instructions for diaphragm
pumps Page 11

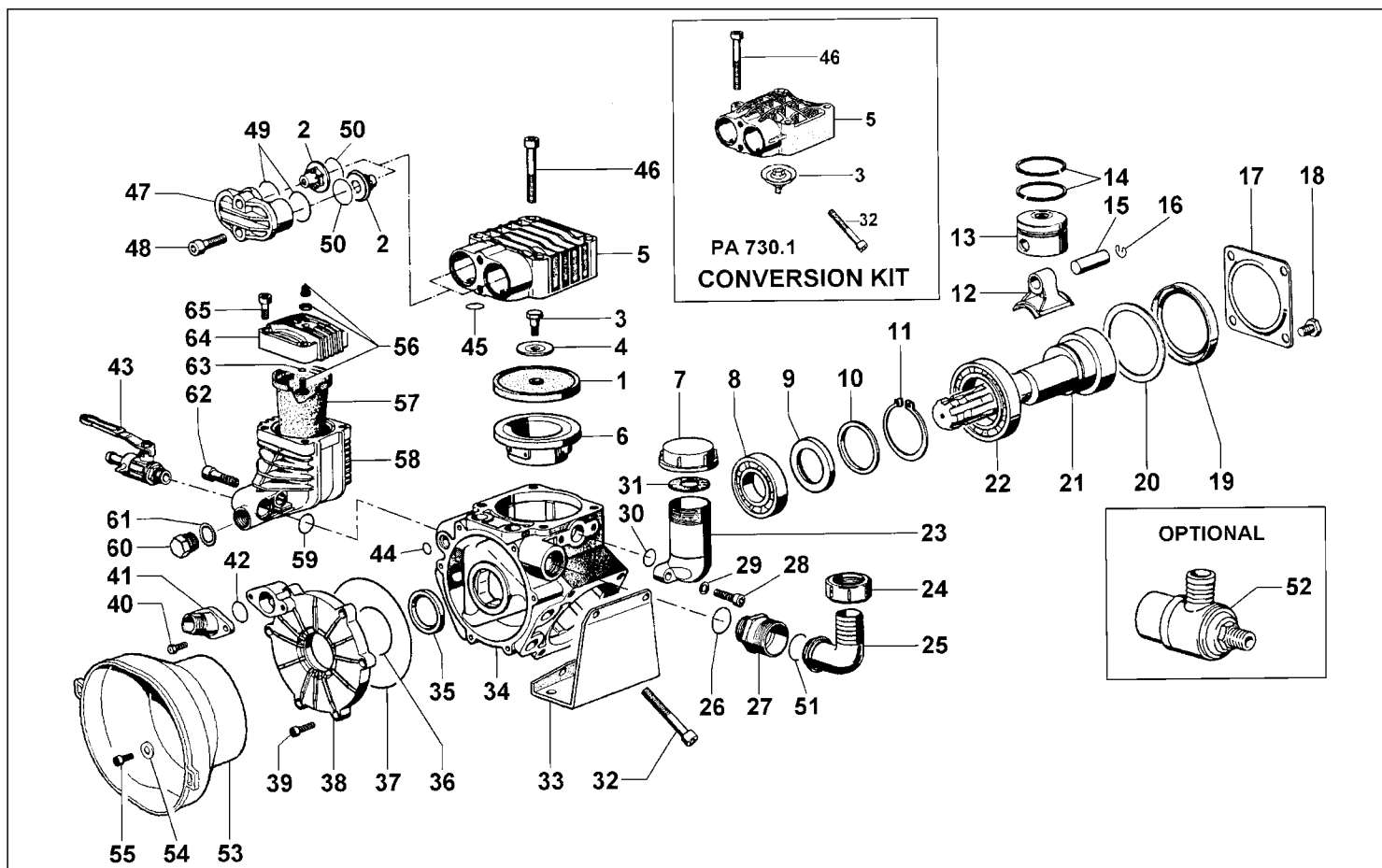
COPPIA DI SERRAGGIO - TORQUE CHART

CODICE CODE	Q.TY	N. POS.	PA 730	
			N.m	Lbr.ft
23.0015.51.3	3	3	12	8.9
86.2168.00.2	2	40	10	7.4
86.2216.00.2	6	39	10	7.4
86.3985.00.2	1	62	68	50.2
86.2730.00.2	2	28	10	7.4
86.3185.00.2	4	18	22	16.2
86.3300.00.2	6	48	44	32.5
86.3560.00.2	8	46	44	32.5
86.3562.00.2	8	32	44	32.5
23.0055.97.3	3	3	12	8.9
TOLLERANZA DI SERRAGGIO: 0 → - 10%				
TOLERANCE ON TORQUE VALUE: 0 → - 10%				

KIT RICAMBI - SPARES KIT PA 730

KIT	CODICE PART NUMBER	23.9881.97.3	23.9829.97.3	23.9830.97.3	23.9874.97.3	23.9827.97.3	23.9876.97.3			
	DESCRIZIONE DESCRIPTION	KIT POMPA PUMP KIT	VAM VALVES ASSY	MEMBRANE BUNA - N DIAPHRAGMS	MEMBRANE DESMOPAN DIAPHRAGMS	MEMBRANE VITON DIAPHRAGMS	MEMBRANE PENTAX DIAPHRAGMS			
POSIZIONE ESPLOSO POSITION NUMBER		35 19 44 45 49 50 36 37 59	2 50 49	1 45 57	1 45 57	1 44 45 49 50 36 37 57 59	1 45 57			
QUANTITÀ NEL KIT QUANTITIES INCLUDED		1 1 1 6 6 6 1 1 1	6 6 6	3 6 1	3 6 1	3 1 6 6 6 1 1 1 1	3 6 1			

PA 730



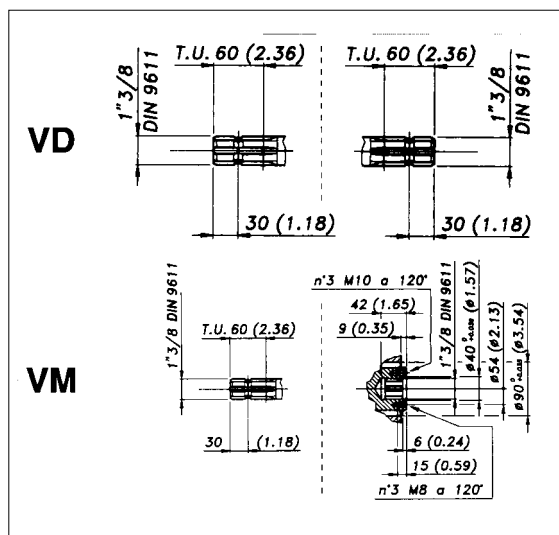
NOMENCLATURA RICAMBI POMPE A MEMBRANA "PA 730"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	23.0011.31.2	3	MEMBRANA PISTONE	33	23.0033.61.2	2	PIEDE FISSAGGIO POMPA
1	23.0011.33.2	3	MEMBRANA PISTONE VITON	34	23.0001.09.2	1	CARTER
1	23.0011.00.2	3	MEMBRANA PISTONE DESMOPAN	35	80.2134.50.2	1	ANELLO RADIALE
2	23.9805.97.3	6	GR. VALVOLA A/M	36	80.3209.80.2	1	ANELLO OR 2,62x50,47
3	23.0015.51.3	3	KIT VITE MEMBRANA	37	80.3210.68.2	1	ANELLO OR 2,62x120,32
4	23.0009.32.2	3	PIATTELLO MEMBRANA	38	23.0006.09.2	1	COPERCHIO CARTER
5	23.0002.09.2	3	TESTATA	39	86.2216.00.2	6	VITE TCEI M6x25 UNI5931
6	23.0038.01.2	3	CAMICIA	40	86.2168.00.2	2	VITE TCEI M6x22 UNI5931
7	85.2750.00.2	1	TAPPO SERBATOIO OLIO	41	31.1096.09.2	1	RACCORDO G.3/4 CURVO
8	81.2846.00.2	1	CUSCINETTO A SFERE	41	31.1445.09.2	1	RACCORDO 3/4" NPT CURVO (OPTIONAL)
9	23.0019.76.2	1	ANELLO SERRAGGIO BIELLA	42	80.3218.00.2	1	ANELLO OR 3,0x22
10	26.0047.76.2	1	ANELLO SERRAGGIO BIELLA	43	84.5544.10.2	1	RUBINETTO A SFERA G.3/8
11	80.1377.00.2	1	ANELLO SEEGER D.55	44	80.3176.00.2	1	ANELLO OR 2,62x11,91
12	23.0005.09.2	3	BIELLA IN ALLUMINIO	45	80.3189.00.2	6	ANELLO OR 2,62x18,72
12	23.0045.11.2	3	BIELLA IN BRONZO (OPTIONAL)	46	86.3560.00.2	4	VITE TCEI M10x65 UNI5931
13	23.0040.09.2	3	PISTONE	47	23.0003.09.2	3	COPERCHIO VALVOLE
14	81.8514.00.2	6	FASCIA ELASTICA D.62	48	86.3300.00.2	6	VITE TCEI M10x30 UNI5931
15	85.2007.00.2	3	SPINOTTO D.15x54	49	80.3219.20.2	6	ANELLO OR 3,0x35
16	80.0021.00.2	6	ANELLO PER FORO D.15	50	80.3207.00.2	6	ANELLO OR 2,62x29,82
17	17.0013.61.2	1	COPERCHIO	51	80.3219.10.2	1	ANELLO OR 3,0x30
18	86.3185.00.2	4	VITE TE M10x16 UNI5739	52	24.3040.97.3	1	VALVOLA SICUREZZA 40 BAR (OPTIONAL)
19	80.2264.10.2	1	ANELLO RADIALE	53	31.1467.32.2	1	CUFFIA DI PROTEZIONE (OPTIONAL)
20	17.0024.76.2	1	DISTANZIALE	54	84.3618.00.2	3	ROSETTA D.6,6x18x2 (OPTIONAL)
21	23.0023.26.2	1	ALBERO ECCENTRICO VR. "VC"	55	86.2086.00.2	3	VITE TCEI M6x14 UNI5931 (OPTIONAL)
21	23.0024.26.2	1	ALBERO ECCENTRICO VR. "VM"	56	86.1608.50.2	1	VALVOLA ARIA COMPLETA
22	81.2972.00.2	1	CUSCINETTO A SFERE	57	23.0041.31.2	1	MEMBRANA ACCUMULATORE
23	23.0008.32.2	1	SERBATOIO OLIO	57	23.0041.33.2	1	MEMBRANA ACCUMULATORE VITON
24	82.0070.00.2	1	GALLETTO G.1"1/2	58	23.0039.09.2	1	CORPO ACCUMULATORE
25	84.0570.00.2	1	RACCORDO CURVO D.35	59	80.3182.00.2	1	ANELLO OR 2,62x17,13
25	84.0561.00.2	1	RACCORDO CURVO D.30 (OPTIONAL)	60	85.2579.00.2	1	TAPPO G.3/8
25	84.0566.00.2	1	RACCORDO CURVO D.32 (OPTIONAL)	61	82.4107.00.2	1	GUARNIZIONE D.16,5x23x1 A
25	84.0571.00.2	1	RACCORDO CURVO D.38 (OPTIONAL)	62	86.3985.00.2	1	VITE TCEI M12x50 UNI5931
25	84.0591.00.2	1	RACCORDO CURVO D.40 (OPTIONAL)	63	80.3213.00.2	1	ANELLO OR 3,0x6
26	80.3207.00.2	1	ANELLO OR 2,62x29,82	64	11.0004.09.2	1	CALOTTA ACCUMULATORE
27	83.5090.18.2	1	NIPPLO G.1 - G.1"1/2	65	86.2730.00.2	4	VITE TCEI M8x30 UNI5931
28	86.2730.00.2	2	VITE TCEI M8x30 UNI5931				
29	84.3685.00.2	2	ROSETTA D.8,4x15x1,5				
30	80.3180.00.2	1	ANELLO OR 2,62x15,08				
31	82.4120.00.2	1	GUARNIZIONE D.19x45x1,5				
32	86.3562.00.2	8	VITE TCEI M10x70 UNI5931				

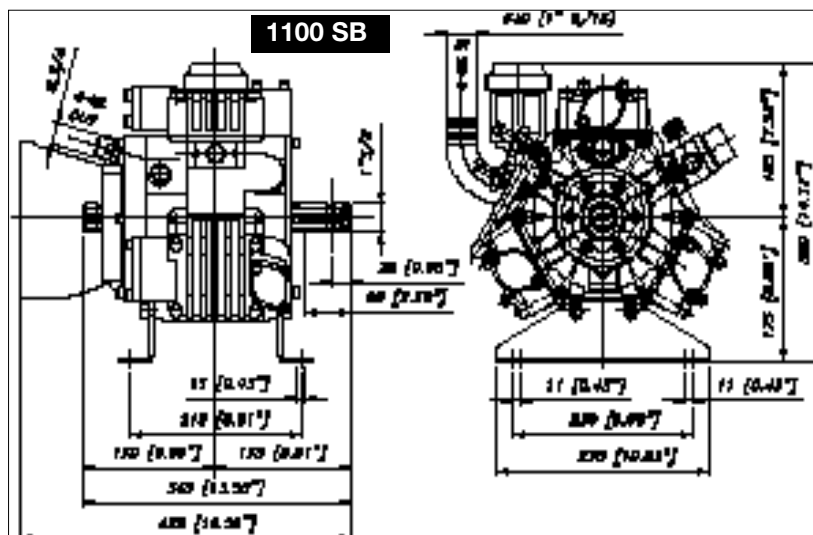
1100-SB



ALBERO POMPA - PUMP SHAFT



DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



Installazione e norme generali di sicurezza
Pag. 2

Installation and general safety information
Page 8

Istruzioni di manutenzione pompe a
membrana Pag. 5

Maintenance instructions for diaphragm
pumps Page 11

COPPIA DI SERRAGGIO - TORQUE CHART

CODICE CODE	Q.TY	N. POS.	PA 1100 SB	
			N.m	Lbr.ft
86.3265.00.2	12	63	44	32.5
86.3990.00.2	12	70	98	72.3
86.2682.00.2	6	14	22	16.2
86.2852.00.2	2	6	22	16.2
41.9835.97.3	3	31	25	18.5
86.3230.00.2	3	31	25	18.5
86.2010.00.2	3	55	10 (LOCTITE 242)	7.4 (LOCTITE 242)
86.2752.00.2	6	46	22	16.2
86.2190.00.2	2	49	10	7.4
86.3745.00.2	4	40	98 (LOCTITE 242)	72.3 (LOCTITE 242)

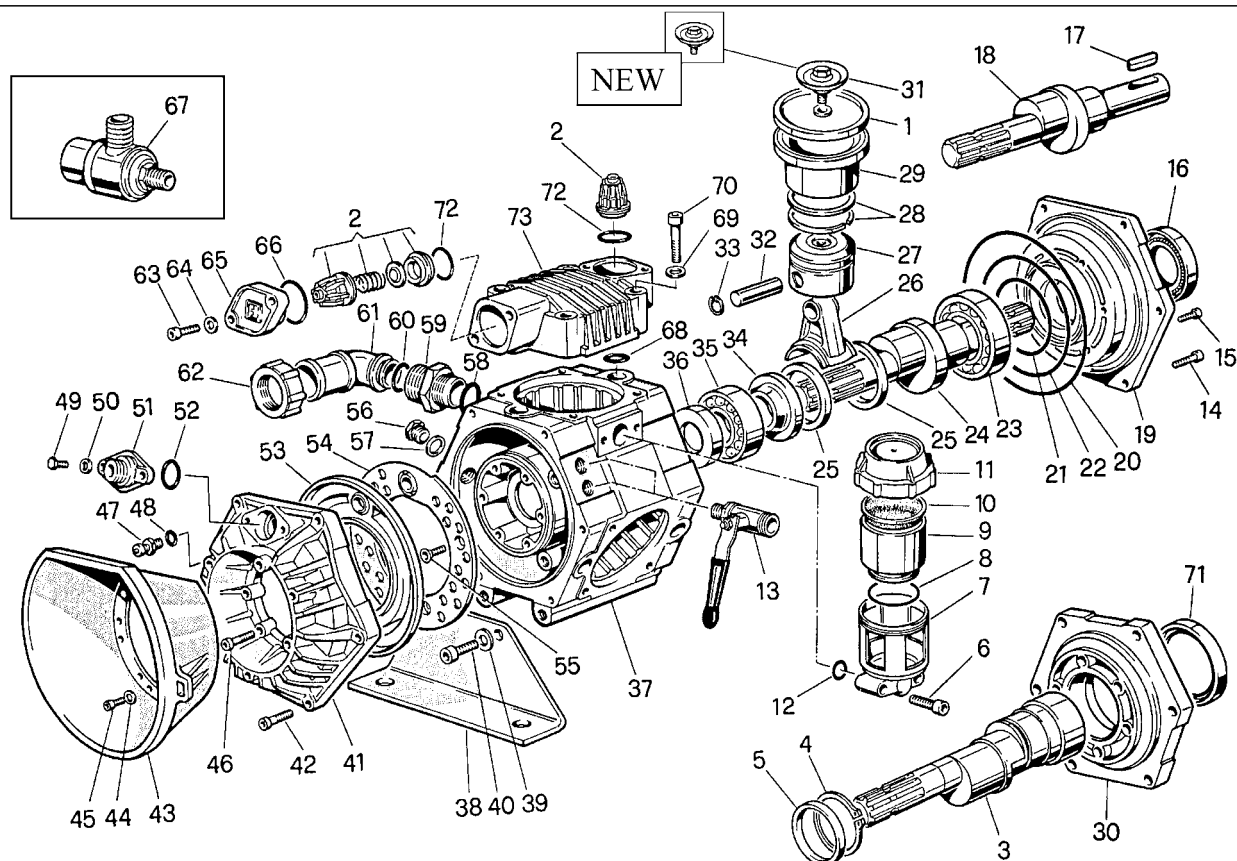
TOLLERANZA DI SERRAGGIO: 0 → - 10%

TOLERANCE ON TORQUE VALUE: 0 → - 10%

KIT RICAMBI - SPARES KIT PA 1110 SB

KIT	CODICE PART NUMBER		35.9880.97.3	35.9881.97.3	35.9870.97.3	35.9871.97.3	35.9873.97.3	35.9826.97.3	35.9868.97.3		
	DESCRIZIONE DESCRIPTION		KIT POMPA VD-VP PUMP KIT VD-VP	KIT POMPA VC-VM PUMP KIT VC-VM	VAM VALVES ASSY	MEMBRANE BUNA - N DIAPHRAGMS	MEMBRANE DESMOPAN DIAPHRAGMS	MEMBRANE VITON DIAPHRAGMS	MEMBRANE PENTAX DIAPHRAGMS		
	POSIZIONE ESPLOSO POSITION NUMBER		36 16 68 20 21 22 66 72	36 71 68 20 21 22 66 72	2 66 72	1 53 68	1 53 68	53 68 20 22 1 66 72	1 53 68		
	QUANTITÀ NEL KIT QUANTITIES INCLUDED		1 1 6 1 1 1 6 6	1 1 6 1 1 1 6 6	6 6 6	3 1 6	3 1 6	1 6 1 1 3 6 6	3 1 6		

1100 - SB



NOMENCLATURA RICAMBI POMPE A MEMBRANA "1100 - SB"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	95.0040.31.2	3	MEMBRANA PISTONE	41	35.0004.09.2	1	COPERCHIO MANDATA
1	95.0040.33.2	3	MEMBRANA PISTONE VITON	42	86.2752.00.2	6	VITE TCEI M8x35 UNI5931
1	95.0040.00.2	3	MEMBRANA PISTONE DESMOPAN	43	31.1466.32.2	1	CUFFIA DI PROTEZIONE (OPTIONAL)
2	35.9802.97.3	6	GR.VALVOLA A/M	44	84.3618.00.2	3	ROSETTA D.6,6x18x2 (OPTIONAL)
3	37.0022.26.2	1	ALBERO ECCENTRICO "VM"	45	86.2108.00.2	3	VITE TCEI M6x16 UNI5931 (OPTIONAL)
4	80.1377.00.2	1	ANELLO D.55 PER ALBERO "VM"	46	86.2752.00.2	6	VITE TCEI M8x35 UNI5931
5	35.0038.76.2	1	DISTANZIALE BIELLA "VM"	47	86.1609.00.2	1	VALVOLA ARIA
6	86.2852.00.2	2	VITE TCEI M8x45 UNI5931	48	80.3213.00.2	1	ANELLO OR 3,0x6
7	35.0009.09.2	1	CORPO SERBATOIO OLIO	49	86.2190.00.2	2	VITE TE M6x22 UNI5739
8	80.3209.40.2	1	ANELLO OR 2,62x44,12	50	84.3585.00.2	2	ROSETTA D.6,4x12,5x1,6
9	41.0016.32.2	1	SERBATOIO OLIO	51	31.0334.28.2	1	RACCORDO G.3/4
10	41.0017.31.2	1	MEMBRANA SERBATOIO OLIO	51	31.1244.28.2	1	RACCORDO 3/4" NPT (OPTIONAL)
11	28.0144.32.2	1	COPERCHIO SERBATOIO	52	80.3218.00.2	1	ANELLO OR 3,0x22
12	80.3195.00.2	1	ANELLO OR 2,62x20,24	53	35.0040.31.2	1	MEMBRANA ACCUMULATORE
13	84.5544.10.2	2	RUBINETTO A SFERA G.3/8	53	35.0040.33.2	1	MEMBRANA ACCUMULATORE VITON
14	86.2682.00.2	6	VITE TCEI M8x25 UNI5931	54	35.0003.08.2	1	SEMIACCUMULATORE
15	86.2752.00.2	6	VITE TCEI M8x35 UNI5931	55	86.2010.00.2	3	VITE TSPEI M6x10 UNI5933 INOX
16	80.2250.10.2	1	ANELLO RADIALE "VD"	56	85.2579.00.2	1	TAPPO G.3/8
19	35.0007.09.2	1	COPERCHIO ASPIRAZIONE "VD"	57	82.4107.00.2	1	GUARNIZIONE D.16,5x23x1
20	80.3291.50.2	1	ANELLO OR 3,53x177,39	58	80.3209.00.2	1	ANELLO OR 2,62x39,34
21	80.3291.00.2	1	ANELLO OR 3,53x88,5	59	83.5090.35.2	1	NIPPLO G.1"1/4 - G.1"1/2
22	80.3210.70.2	1	ANELLO OR 2,62x126,67	60	80.3219.10.2	1	ANELLO OR 3,0x30
23	81.2973.00.2	1	CUSCINETTO SFERE	61	84.0591.00.2	1	RACCORDO CURVO D.40
24	37.0021.26.2	1	ALBERO ECCENTRICO "VD"	61	84.0570.00.2	1	RACCORDO CURVO D.35 (OPTIONAL)
25	98.0047.76.2	2	ANELLO BIELLE	61	84.0571.00.2	1	RACCORDO CURVO D.38 (OPTIONAL)
26	35.0047.11.2	3	BIELLA SINGOLA IN BRONZO	62	82.0070.00.2	1	GALLETTO G.1"1/2
27	37.0016.09.2	3	PISTONE	63	86.3265.00.2	12	VITE TCEI M10x25 UNI5931
28	81.8527.00.2	6	FASCIA ELASTICA D.70	64	84.3870.00.2	12	ROSETTA SCHNORR D.10,5
29	43.0015.01.2	3	CAMICIA	65	35.0008.28.2	6	COPERCHIO VALVOLE OTTONE
30	35.0037.09.2	1	COPERCHIO ASPIRAZIONE "VM"	66	80.3262.00.2	6	ANELLO OR 3,53x41,28
31	41.9835.97.3	3	KIT VITE + PIATTELLO INOX	67	24.3050.97.3	1	VALVOLA SICUREZZA 50 BAR (OPTIONAL)
31	86.3230.00.2	3	VITE fino al 03/98	68	80.3200.00.2	6	ANELLO OR 2,62x22,22
31	37.0017.32.2	3	PIATTELLO fino al 03/98	69	84.3896.00.2	12	ROSETTA SCHNORR D.13
32	85.2007.00.2	3	SPINOTTO D.15x54	70	86.3990.00.2	12	VITE TCEI M12x60 UNI5931
33	80.0021.00.2	6	ANELLO D.15 PER FORO	71	80.2264.10.2	1	ANELLO RADIALE "VM"
34	28.0027.09.2	1	DISTANZIALE ALBERO ECCENTRICO	72	80.3251.00.2	6	ANELLO OR 3,53x32,93
35	81.2867.00.2	1	CUSCINETTO SFERE	73	35.0002.28.2	3	TESTATA POMPA OTTONE
36	80.2143.10.2	1	ANELLO RADIALE				
37	37.0001.09.2	1	CARTER POMPA				
38	27.0021.61.2	2	PIEDINO POMPA				
39	84.3908.00.2	4	ROSETTA D.13x24x2,5				
40	86.3745.00.2	4	VITE TCEI M12x35 UNI5931				

* IN VITON REPLACE THE LAST 3 NUMBERS BY....50.2

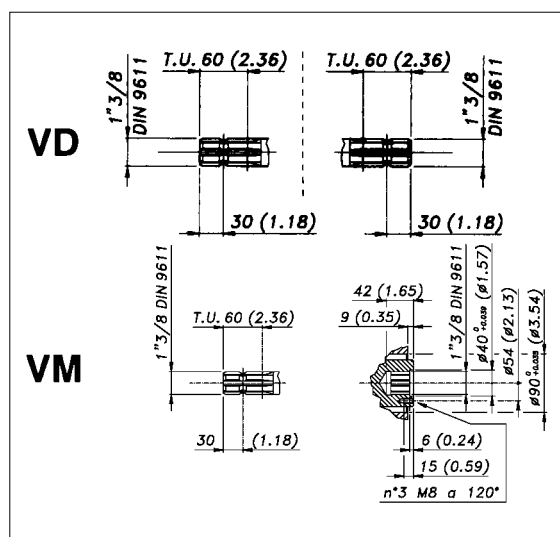
3 IN VITON REPLACE THE LAST 3 NUMBERS BY....75.2

Q IN VITON REPLACE THE LAST 3 NUMBERS BY....60.2

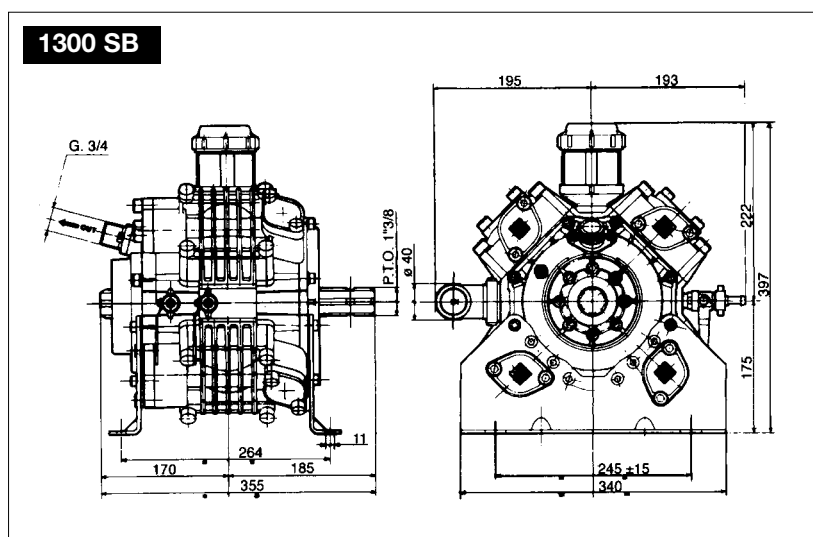
1300 SB



ALBERO POMPA - PUMP SHAFT



DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



Installazione e norme generali di sicurezza
Pag. 2

Installation and general safety information
Page 8

Istruzioni di manutenzione pompe a
membrana Pag. 5

Maintenance instructions for diaphragm
pumps Page 11

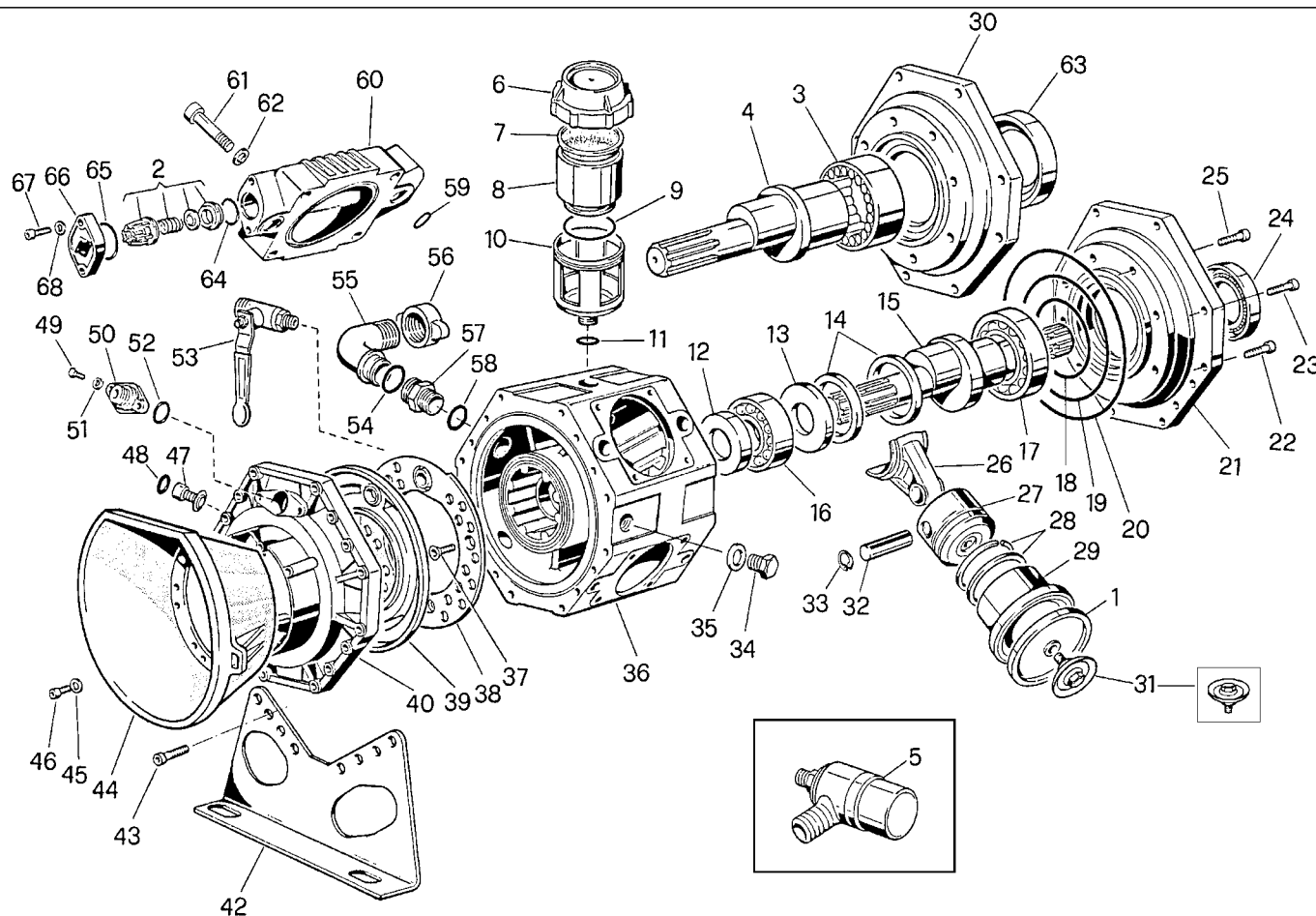
COPPIA DI SERRAGGIO - TORQUE CHART

CODICE CODE	Q.TY	N. POS.	1300 SB	
			N.m	Lbr.ft
86.2752.00.2	16	22	22	16.2
86.2730.00.2	4	23	22	16.2
86.2010.00.2	3	37	10 (LOCTITE 242)	7.4 (LOCTITE 242)
86.2796.00.2	8	43	22	16.2
86.3990.00.2	16	61	98	72.3
86.3265.00.2	16	67	44	32.5
41.9835.97.3	4	31	25	18.5
86.2190.00.2	2	49	10	7.4
86.3230.00.2	4	31	25	18.5
TOLLERANZA DI SERRAGGIO:			0 → - 10%	
TOLERANCE ON TORQUE VALUE:			0 → - 10%	

KIT RICAMBI - SPARES KIT 1300 SB

KIT	CODICE PART NUMBER	41.9880.97.3								41.9881.97.3								41.9870.97.3			41.9871.97.3			41.9873.97.3			41.9826.97.3								41.9874.97.3						
	DESCRIZIONE DESCRIPTION	KIT POMPA VD PUMP KIT VD								KIT POMPA VC PUMP KIT VC								VAM VALVES ASSY			MEMBRANE BUNA - N DIAPHRAGMS			MEMBRANE DESMOPAN DIAPHRAGMS			MEMBRANE VITON DIAPHRAGMS								MEMBRANE PENTAX DIAPHRAGMS						
POSIZIONE ESPLOSO POSITION NUMBER		12	24	59	18	19	20	64	65	12	63	59	18	19	20	64	65	2	65	64	1	39	59	1	39	59	39	59	19	20	64	65	1	1	39	59					
QUANTITÀ NEL KIT QUANTITIES INCLUDED		1	1	8	1	1	1	8	8	1	1	8	1	1	1	8	8	8	8	8	8	4	1	8	4	1	8	1	8	1	1	8	8	4	4	1	8				

1300 SB



NOMENCLATURA RICAMBI POMPE A MEMBRANA "1300 - SB"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	95.0040.31.2	4	MEMBRANA PISTONE	35	82.4107.00.2	1	GUARNIZIONE D.16,5x23x1
1	95.0040.33.2	4	MEMBRANA PISTONE VITON	36	41.0001.09.2	1	CARTER POMPA
1	95.0040.00.2	4	MEMBRANA PISTONE DESMOPAN	37	86.2010.00.2	3	VITE TSPEI M6x10 UNI5933 INOX
2	35.9802.97.3	8	GR.VALVOLA A/M	38	35.0003.08.2	1	SEMIACCUMULATORE
3	81.3027.00.2	1	CUSCINETTO RULLINI "VM"	39	35.0040.31.2	1	MEMBRANA ACCUMULATORE
4	41.0042.26.2	1	ALBERO ECCENTRICO "VM"	39	35.0040.33.2	1	MEMBRANA ACCUMULATORE VITON
5	24.3050.97.3	1	VALVOLA SICUREZZA 50 BAR (OPTIONAL)	40	41.0004.09.2	1	COPERCHIO MANDATA
6	28.0144.32.2	1	COPERCHIO SERBATOIO	42	41.0014.61.2	2	PIEDINO POMPA
7	41.0017.31.2	1	MEMBRANA SERBATOIO OLIO	43	86.2796.00.2	8	VITE TCEI M8x40 UNI5931
8	41.0016.32.2	1	SERBATOIO OLIO	44	31.1466.32.2	1	CUFFIA DI PROTEZIONE (OPTIONAL)
9	80.3209.40.2	1	ANELLO OR 2,62x44,12	45	84.3618.00.2	3	ROSETTA D.6,6x18x2 (OPTIONAL)
10	41.0015.09.2	1	CORPO SERBATOIO OLIO	46	86.2108.00.2	3	VITE TCEI M6x16 UNI5931 (OPTIONAL)
11	82.4191.00.2	1	GUARNIZIONE D.27	47	86.1609.00.2	1	VALVOLA ARIA
12	80.2143.10.2	1	ANELLO RADIALE	48	80.3213.00.2	1	ANELLO OR 3,0x6
13	41.0023.61.2	1	ANELLO SPALLAMENTO	49	86.2190.00.2	2	VITE TE M6x22 UNI5739
14	14.0015.76.2	2	ANELLO SERRAGGIO BIELLE	50	31.0334.28.2	1	RACCORDO G.3/4
15	41.0033.26.2	1	ALBERO ECCENTRICO "VD"	50	31.1244.28.2	1	RACCORDO 3/4" NPT (OPTIONAL)
16	81.2868.00.2	1	CUSCINETTO SFERE	51	84.3585.00.2	2	ROSETTA D.6,4x12,5x1,6
17	81.2913.00.2	1	CUSCINETTO SFERE "VD"	52	80.3218.00.2	1	ANELLO OR 3,0x22
18	80.3291.00.2	1	ANELLO OR 3,53x88,5	53	84.5544.10.2	2	RUBINETTO A SFERA G.3/8
19	80.3210.70.2	1	ANELLO OR 2,62x126,67	54	80.3208.10.2	1	ANELLO OR 2,62x32,99
20	80.3291.50.2	1	ANELLO OR 3,53x177,39	55	84.0585.00.2	1	RACCORDO CURVO D.40
21	41.0019.09.2	1	COPERCHIO ASPIRAZIONE "VD"	56	82.0090.00.2	1	GALLETTO M48
22	86.2752.00.2	16	VITE TCEI M8x35 UNI5931	57	91.0095.12.2	1	SEDE RACCORDO ASPIRAZIONE
23	86.2730.00.2	4	VITE TCEI M8x30 UNI5931	58	80.3208.10.2	1	ANELLO OR 2,62x32,99
24	80.2190.00.2	1	ANELLO RADIALE "VD"	59	80.3200.00.2	8	ANELLO OR 2,62x22,22
25	86.2752.00.2	16	VITE TCEI M8x35 UNI5931	60	35.0002.28.2	4	TESTATA POMPA OTTONE
26	41.0047.11.2	4	BIELLA SINGOLA IN BRONZO	61	86.3990.00.2	16	VITE TCEI M12x60 UNI5931
27	41.0025.09.2	4	PISTONE	62	84.3896.00.2	16	ROSETTA SCHNORR D.13
28	81.8524.00.2	8	FASCIA ELASTICA D.66	63	80.2286.00.2	1	ANELLO RADIALE "VM"
29	41.0026.01.2	4	CAMICIA	64	80.3251.00.2	8	ANELLO OR 3,53x32,93
30	41.0007.09.2	1	COPERCHIO ASPIRAZIONE "VM"	65	80.3262.00.2	8	ANELLO OR 3,53x41,28
31	41.9835.97.3	4	KIT VITE + PIATTELLO INOX	66	35.0008.28.2	8	COPERCHIO VALVOLE OTTONE
31	86.3230.00.2	4	VITE fino al 03/98	67	86.3265.00.2	16	VITE TCEI M10x25 UNI5931
31	37.0017.32.2	4	PIATTELLO fino al 03/98	68	84.3870.00.2	16	ROSETTA SCHNORR D.10,5
32	85.2007.00.2	4	SPINOTTO D.15x54				
33	80.0021.00.2	8	ANELLO D.15 PER FORO				
34	85.2579.00.2	1	TAPPO G.3/8				

* IN VITON REPLACE THE LAST 3 NUMBERS BY...50.2

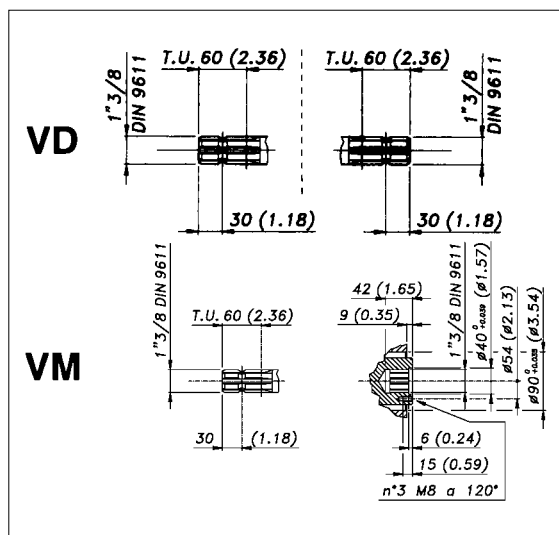
3 IN VITON REPLACE THE LAST 3 NUMBERS BY...75.2

Q IN VITON REPLACE THE LAST 3 NUMBERS BY...60.2

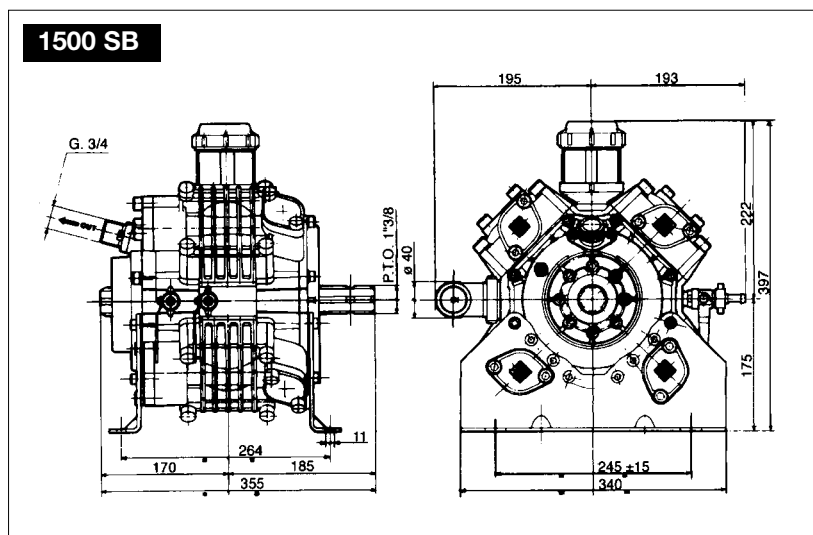
1500 SB



ALBERO POMPA - PUMP SHAFT



DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



Installazione e norme generali di sicurezza
Pag. 2

Installation and general safety information
Page 8

Istruzioni di manutenzione pompe a
membrana Pag. 5

Maintenance instructions for diaphragm
pumps Page 11

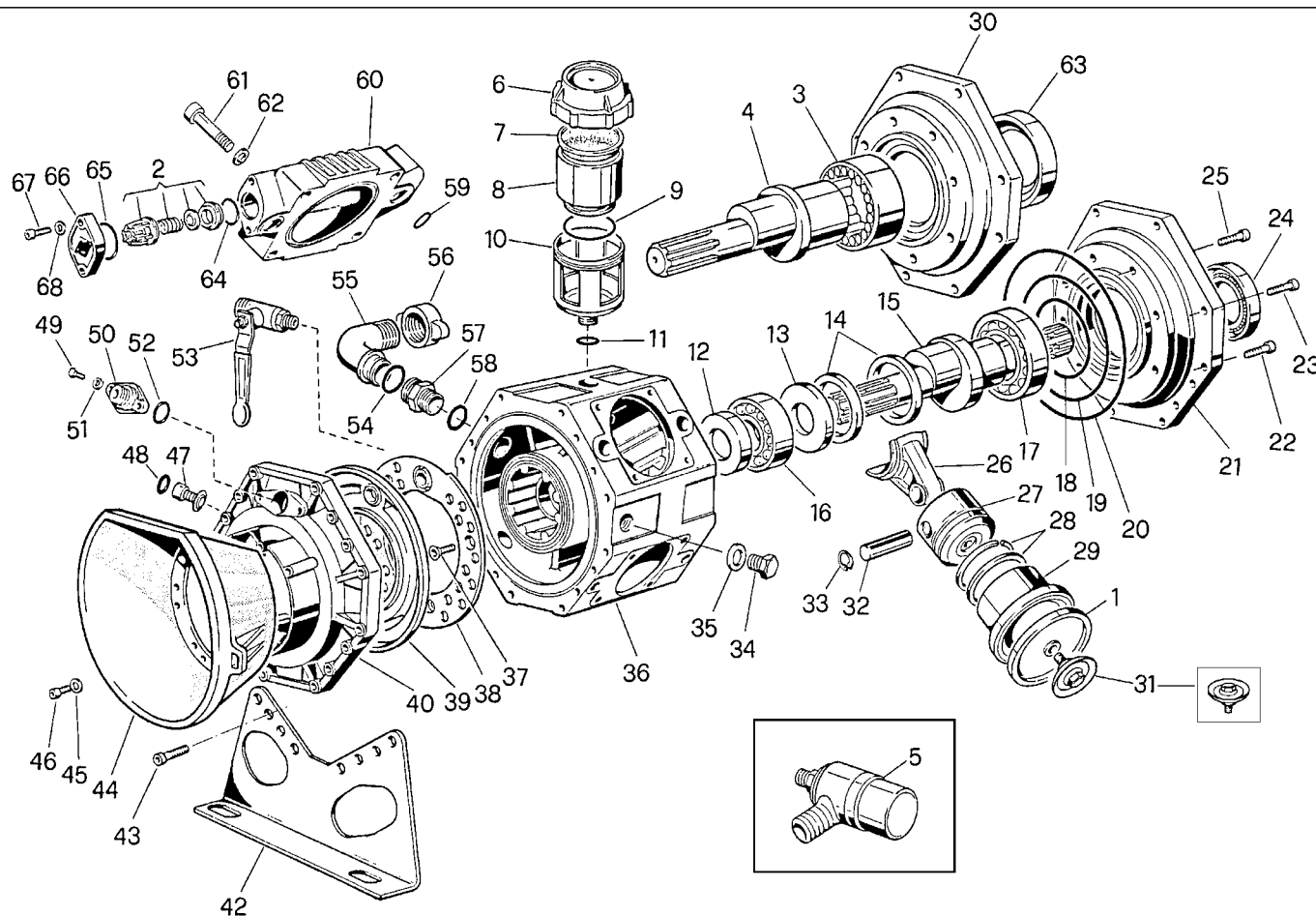
COPPIA DI SERRAGGIO - TORQUE CHART

CODICE CODE	Q.TY	N. POS.	1500 SB	
			N.m	Lbr.ft
86.2752.00.2	16	22	22	16.2
86.2730.00.2	4	23	22	16.2
86.2010.00.2	3	37	10 (LOCTITE 242)	7.4 (LOCTITE 242)
86.2796.00.2	8	43	22	16.2
86.3990.00.2	16	61	98	72.3
86.3265.00.2	16	67	44	32.5
41.9835.97.3	4	31	25	18.5
86.2190.00.2	2	49	10	7.4
86.3230.00.2	4	31	25	18.5
TOLLERANZA DI SERRAGGIO:			0 → - 10%	
TOLERANCE ON TORQUE VALUE:			0 → - 10%	

KIT RICAMBI - SPARES KIT 1500 SB

KIT	CODICE PART NUMBER	41.9880.97.3								41.9881.97.3								41.9870.97.3				41.9871.97.3				41.9873.97.3				41.9826.97.3								41.9874.97.3						
	DESCRIZIONE DESCRIPTION	KIT POMPA VD PUMP KIT VD								KIT POMPA VC PUMP KIT VC								VAM VALVES ASSY				MEMBRANE BUNA - N DIAPHRAGMS				MEMBRANE DESMOPAN DIAPHRAGMS				MEMBRANE VITON DIAPHRAGMS								MEMBRANE PENTAX DIAPHRAGMS						
POSIZIONE ESPLOSO POSITION NUMBER		12	24	59	18	19	20	64	65	12	63	59	18	19	20	64	65	2	65	64		1	39	59		1	39	59	39	59	19	20	64	65	1	1	39	59						
QUANTITÀ NEL KIT QUANTITIES INCLUDED		1	1	8	1	1	1	8	8	1	1	8	1	1	1	8	8	8	8	8	8		4	1	8		4	1	8	1	8	1	1	8	8	4	4	1	8					

1500 SB



NOMENCLATURA RICAMBI POMPE A MEMBRANA "1500 SB"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	95.0040.31.2	4	MEMBRANA PISTONE	35	82.4107.00.2	1	GUARNIZIONE D.16,5x23x1
1	95.0040.33.2	4	MEMBRANA PISTONE VITON	36	41.0001.09.2	1	CARTER POMPA
1	95.0040.00.2	4	MEMBRANA PISTONE DESMOPAN	37	86.2010.00.2	3	VITE TSPEI M6x10 UNI5933 INOX
2	35.9802.97.3	8	GR.VALVOLA A/M	38	35.0003.08.2	1	SEMIACCUMULATORE
3	81.3027.00.2	1	CUSCINETTO RULLINI "VM"	39	35.0040.31.2	1	MEMBRANA ACCUMULATORE
4	41.0042.26.2	1	ALBERO ECCENTRICO "VM"	39	35.0040.33.2	1	MEMBRANA ACCUMULATORE VITON
5	24.3050.97.3	1	VALVOLA SICUREZZA 50 BAR (OPTIONAL)	40	41.0004.09.2	1	COPERCHIO MANDATA
6	28.0144.32.2	1	COPERCHIO SERBATOIO	42	41.0014.61.2	2	PIEDINO POMPA
7	41.0017.31.2	1	MEMBRANA SERBATOIO OLIO	43	86.2796.00.2	8	VITE TCEI M8x40 UNI5931
8	41.0016.32.2	1	SERBATOIO OLIO	44	31.1466.32.2	1	CUFFIA DI PROTEZIONE (OPTIONAL)
9	80.3209.40.2	1	ANELLO OR 2,62x44,12	45	84.3618.00.2	3	ROSETTA D.6,6x18x2 (OPTIONAL)
10	41.0015.09.2	1	CORPO SERBATOIO OLIO	46	86.2108.00.2	3	VITE TCEI M6x16 UNI5931 (OPTIONAL)
11	82.4191.00.2	1	GUARNIZIONE D.27	47	86.1609.00.2	1	VALVOLA ARIA
12	80.2143.10.2	1	ANELLO RADIALE	48	80.3213.00.2	1	ANELLO OR 3,0x6
13	41.0023.61.2	1	ANELLO SPALLAMENTO	49	86.2190.00.2	2	VITE TE M6x22 UNI5739
14	14.0015.76.2	2	ANELLO SERRAGGIO BIELLE	50	31.0334.28.2	1	RACCORDO G.3/4
15	41.0033.26.2	1	ALBERO ECCENTRICO "VD"	50	31.1244.28.2	1	RACCORDO 3/4" NPT (OPTIONAL)
16	81.2868.00.2	1	CUSCINETTO SFERE	51	84.3585.00.2	2	ROSETTA D.6,4x12,5x1,6
17	81.2913.00.2	1	CUSCINETTO SFERE "VD"	52	80.3218.00.2	1	ANELLO OR 3,0x22
18	80.3291.00.2	1	ANELLO OR 3,53x88,5	53	84.5544.10.2	2	RUBINETTO A SFERA G.3/8
19	80.3210.70.2	1	ANELLO OR 2,62x126,67	54	80.3208.10.2	1	ANELLO OR 2,62x32,99
20	80.3291.50.2	1	ANELLO OR 3,53x177,39	55	84.0585.00.2	1	RACCORDO CURVO D.40
21	41.0019.09.2	1	COPERCHIO ASPIRAZIONE "VD"	56	82.0090.00.2	1	GALLETTO M48
22	86.2752.00.2	16	VITE TCEI M8x35 UNI5931	57	91.0095.12.2	1	SEDE RACCORDO ASPIRAZIONE
23	86.2730.00.2	4	VITE TCEI M8x30 UNI5931	58	80.3208.10.2	1	ANELLO OR 2,62x32,99
24	80.2190.00.2	1	ANELLO RADIALE "VD"	59	80.3200.00.2	8	ANELLO OR 2,62x22,22
25	86.2752.00.2	16	VITE TCEI M8x35 UNI5931	60	35.0002.28.2	4	TESTATA POMPA OTTONE
26	41.0047.11.2	4	BIELLA SINGOLA IN BRONZO	61	86.3990.00.2	16	VITE TCEI M12x60 UNI5931
27	37.0016.09.2	4	PISTONE	62	84.3896.00.2	16	ROSETTA SCHNORR D.13
28	81.8527.00.2	8	FASCIA ELASTICA D.70	63	80.2286.00.2	1	ANELLO RADIALE "VM"
29	43.0015.01.2	4	CAMICIA	64	80.3251.00.2	8	ANELLO OR 3,53x32,93
30	41.0007.09.2	1	COPERCHIO ASPIRAZIONE "VM"	65	80.3262.00.2	8	ANELLO OR 3,53x41,28
31	41.9835.97.3	4	KIT VITE + PIATTELLO INOX	66	35.0008.28.2	8	COPERCHIO VALVOLE OTTONE
31	86.3230.00.2	4	VITE fino al 03/98	67	86.3265.00.2	16	VITE TCEI M10x25 UNI5931
31	37.0017.32.2	4	PIATTELLO fino al 03/98	68	84.3870.00.2	16	ROSETTA SCHNORR D.10,5
32	85.2007.00.2	4	SPINOTTO D.15x54				
33	80.0021.00.2	8	ANELLO D.15 PER FORO				
34	85.2579.00.2	1	TAPPO G.3/8				

* IN VITON REPLACE THE LAST 3 NUMBERS BY....50.2

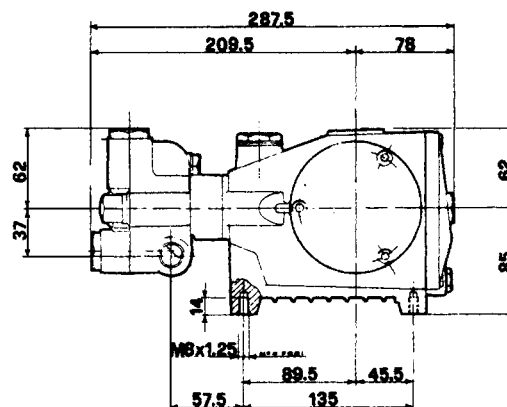
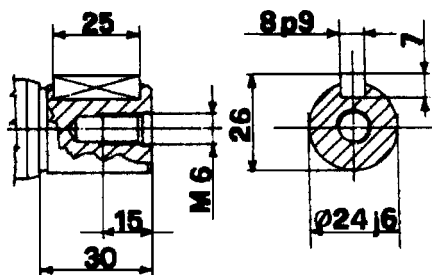
3 IN VITON REPLACE THE LAST 3 NUMBERS BY....75.2

Q IN VITON REPLACE THE LAST 3 NUMBERS BY....60.2

**IDROMECCANICA®
BERTOLINI**



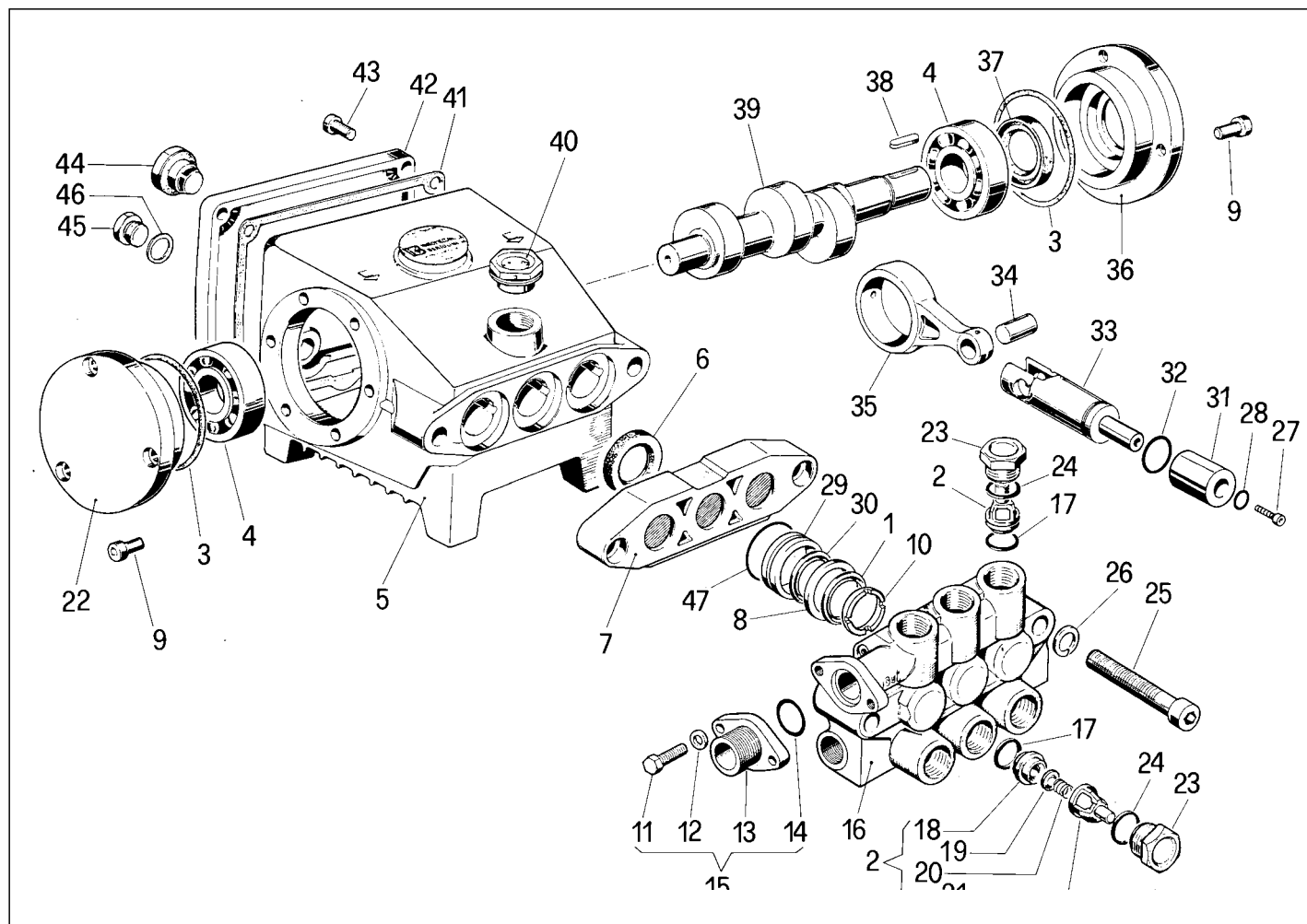
DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



CODICE CODE	Q.TY	N. POS.	C 35.1	
			N.m	Lbr.ft
86.2086.00.2	6	9	10	7.4
86.2190.00.2	2	11	10	7.4
38.0389.53.2	6	23	68	50.2
86.4080.00.2	2	25	68	50.2
86.2270.00.2	3	27	8 (LOCTITE 270)	5.9 (LOCTITE 270)
86.2131.00.2	4	43	10	7.4
TOLLERANZA DI SERRAGGIO:			0 → - 10%	
TOLERANCE ON TORQUE VALUE:			0 → - 10%	

[illegible]

C 35.1



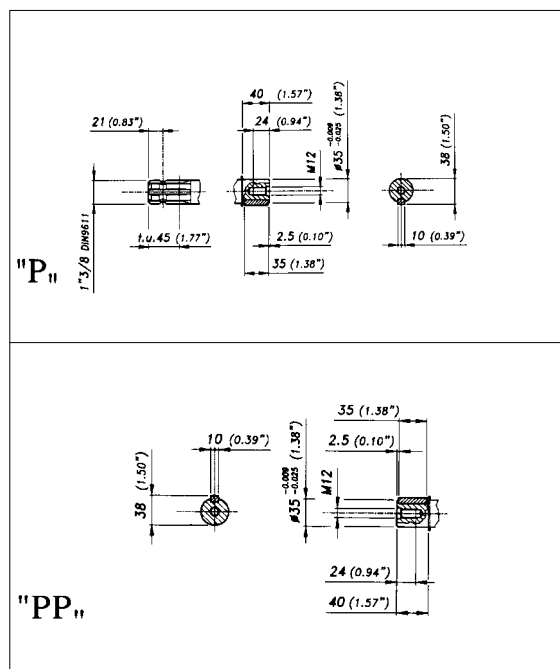
NOMENCLATURA RICAMBI POMPE A PISTONI "C 35.1"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	80.2091.00.2	3	ANELLO TENUTA A "V" D.24	31	10.0011.18.2	3	PISTONE CERAMICO D.24
2	38.9844.97.3	6	GR. VALVOLA A/M	32	80.3198.00.2	3	ANELLO OR 2,62x20,63
3	80.3210.60.2	2	ANELLO OR 2,62x71,12	33	38.0455.41.2	3	PATTINO PORTA PISTONE
4	81.2725.00.2	2	CUSCINETTO SFERE	34	85.2006.23.2	3	SPINOTTO D.12
5	38.6001.09.2	1	CARTER POMPA	35	38.0063.08.2	3	BIELLA
6	80.2094.00.2	3	ANELLO RADIALE	36	38.6004.09.2	1	FLANGIA
7	38.6397.09.2	1	DISTANZIALE CARTER	37	80.2099.00.2	1	ANELLO RADIALE
8	38.0465.53.2	3	LANTERNA ANTERIORE	38	80.6522.00.2	1	LINGUETTA 8x7x25
9	86.2086.00.2	6	VITE TCEI M6x14 UNI5931	39	38.0457.26.2	1	ALBERO ECCENTRICO
10	38.0437.32.2	3	ANELLO DI SPINTA	40	85.2694.10.2	1	TAPPO CARICO OLIO
11	86.2190.00.2	2	VITE TE M6x22 UNI5739	41	38.0065.66.2	1	GUARNIZIONE COPERCHIO
12	84.3585.00.2	2	ROSETTA D.6,4x12,5x1,6	42	38.6003.09.2	1	COPERCHIO CARTER
13	31.0268.28.2	1	RACCORDO G.1/2 MASCHIO	43	86.2131.00.2	4	VITE TCEI M6x18 UNI5931
14	80.3218.00.2	1	ANELLO OR 3,0x22	44	85.3510.00.2	1	SPIA LIVELLO OLIO
15	31.8878.97.3	1	GR. FLANGIA MANDATA G.1/2	45	85.2543.50.2	1	TAPPO G.1/4
16	38.0463.09.2	1	CORPO POMPA	46	82.4079.00.2	1	GUARNIZIONE D.13,2x17x1
17	80.3182.00.2	6	ANELLO OR 2,62x17,13	47	80.3206.00.2	3	ANELLO OR 2,62x28,25
18	38.0379.43.2	6	SEDE				
19	38.0398.68.2	6	OTTURATORE				
20	38.0054.51.2	6	MOLLA				
21	38.0403.32.2	6	GUIDA VALVOLA				
22	38.0458.09.2	1	FLANGIA CHIUSA				
23	38.0389.53.2	6	TAPPO VALVOLA A/M				
24	80.3217.50.2	6	ANELLO OR 3,0x19				
25	86.4080.00.2	2	VITE TCEI M12x90 UNI5931				
26	84.3896.00.2	2	ROSETTA SCHNORR D.13				
27	86.2270.00.2	3	VITE TCEI M6x30 UNI5931 INOX				
28	80.3050.00.2	3	ANELLO OR 1,78x6,07				
29	38.0466.53.2	3	LANTERNA POSTERIORE				
30	80.2089.60.2	3	ANELLO TENUTA "U" D.24				

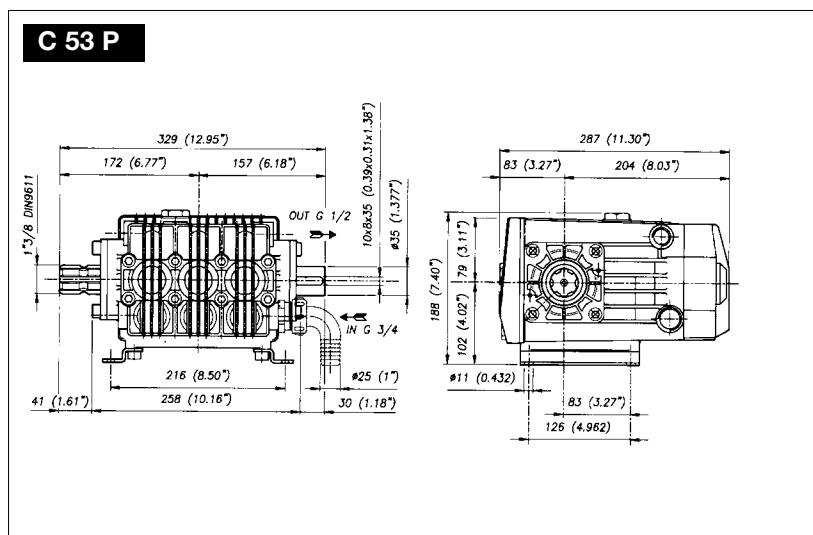
C 53 P - PP



ALBERO POMPA - PUMP SHAFT



DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



Installazione e norme generali di sicurezza
Pag. 2

Installation and general safety information
Page 8

Istruzioni di manutenzione pompe a
membrana Pag. 6

Maintenance instructions for piston pumps
Page 12

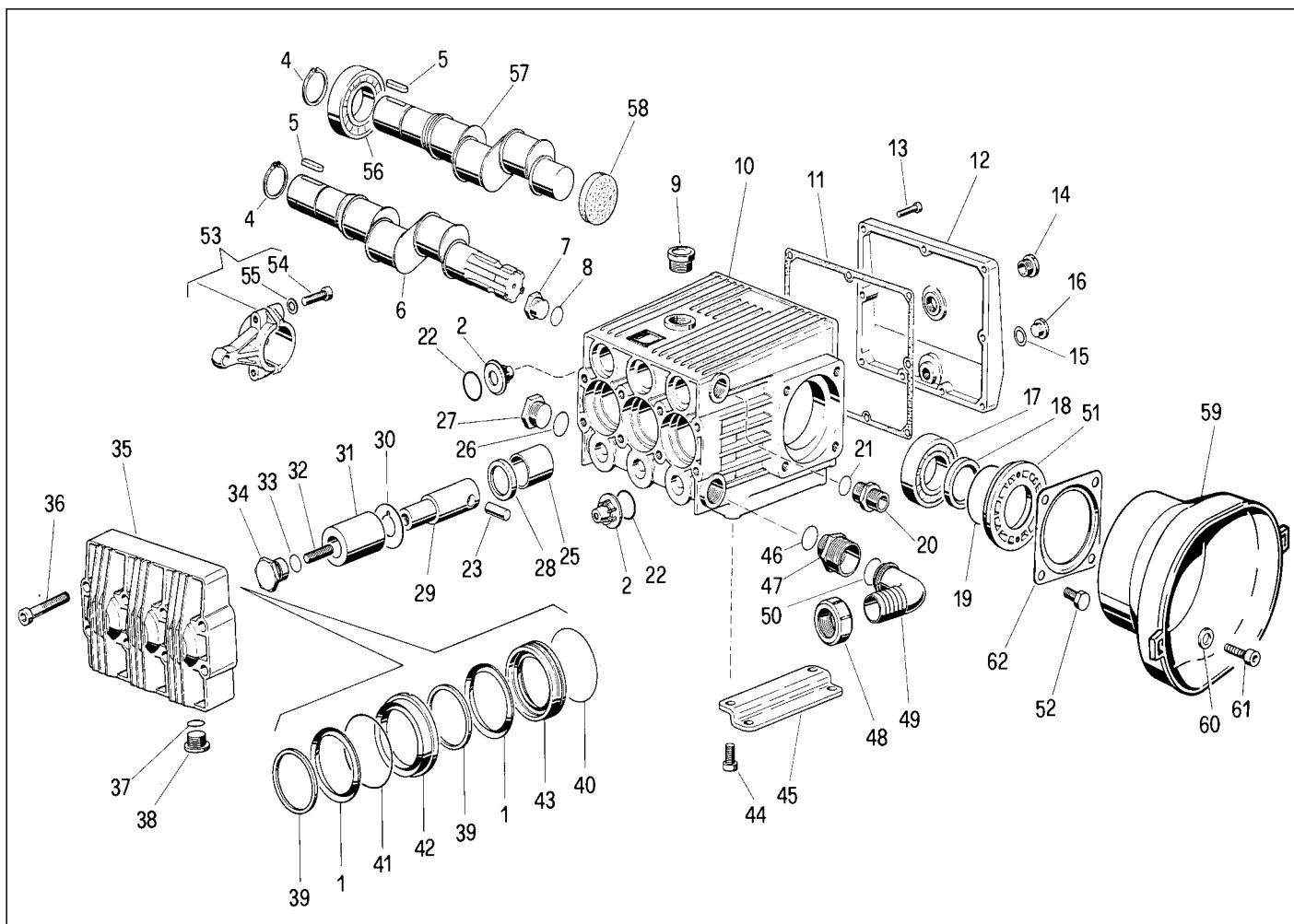
COPPIA DI SERRAGGIO - TORQUE CHART

CODICE CODE	Q.TY	N. POS.	C 53 P - PP	
			N.m	Lbr.ft
86.2216.00.2	9	13	10	7.4
86.2730.00.2	6	54	22 (LOCTITE 242)	16.2 (LOCTITE 242)
86.3521.00.2	8	36	40	29.6
53.0015.53.2	3	34	35 (LOCTITE 242)	25.9 (LOCTITE 242)
86.3325.00.2	3	32	28 (LOCTITE 270)	20.7 (LOCTITE 270)
86.3212.00.2	4	44	40	29.6
86.3185.00.2	8	52	40	29.6
TOLLERANZA DI SERRAGGIO:			0 → - 10%	
TOLERANCE ON TORQUE VALUE:			0 → - 10%	

KIT RICAMBI - SPARES KIT C 53 P - PP

KIT	CODICE PART NUMBER		53.9811.97.3		53.9812.97.3		53.9810.97.3											
	DESCRIZIONE DESCRIPTION		KIT POMPA PUMP KIT		VAM VALVES ASSY		GUARNIZ. PISTON PACKINGS											
	POSIZIONE ESPLOSO POSITION NUMBER		11	28	18	33	19	22	58	2	22	39	1	41	40			
	QUANTITÀ NEL KIT QUANTITIES INCLUDED		1	3	2	3	2	6	1	6	6	6	6	3	3			

C 53 P - PP



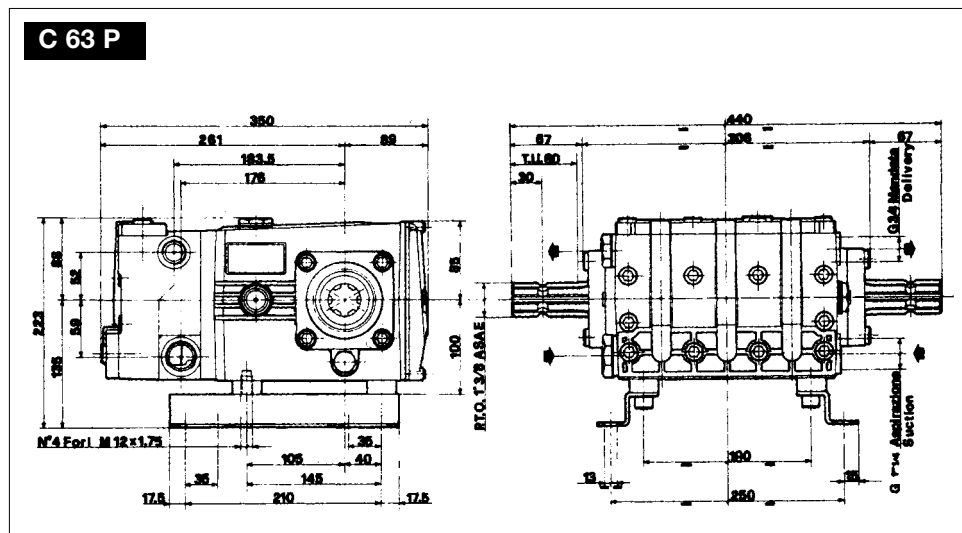
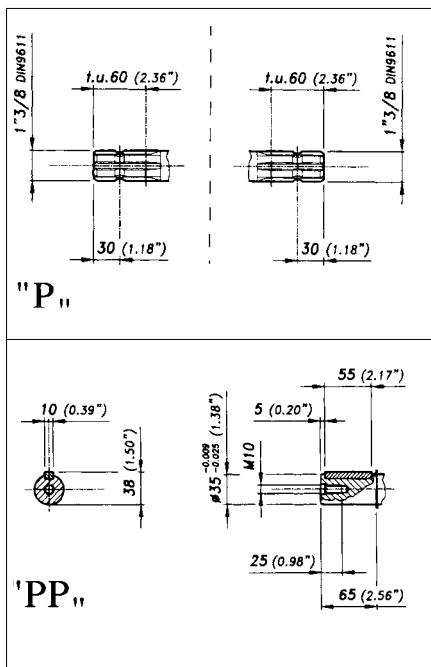
NOMENCLATURA RICAMBI POMPE A PISTONI "C 53 P - PP"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	80.2170.00.2	6	ANELLO DI TENUTA A "V" D.38	37	80.3187.00.2	3	ANELLO OR 2,62x17,86
2	53.9801.97.3	6	GRUPPO VALVOLA A/M	38	85.2625.00.2	3	TAPPO
4	80.1264.00.2	1	ANELLO SEEGER D.35	39	53.0014.32.2	6	ANELLO DI SPINTA
5	80.6534.00.2	1	LINGUETTA 8x7x35	40	80.3209.60.2	3	ANELLO OR 2,62x47,3
6	53.0006.26.2	1	ALBERO ECCENTRICO (vr."P")	41	80.3265.00.2	3	ANELLO OR 3,53x46,04
7	85.2633.00.2	1	TAPPO G.1/2	42	53.0009.53.2	3	LANTERNA ANTERIORE
8	80.3187.00.2	1	ANELLO OR 2,62x17,86	43	53.0008.53.2	3	LANTERNA POSTERIORE
9	85.3518.00.2	1	TAPPO CARICO OLIO	44	86.3212.00.2	4	VITE TCEI M10x20 UNI5931
10	53.0022.09.2	1	CARTER POMPA	45	53.0010.61.2	2	PIEDINO POMPA
11	53.0012.72.2	1	GUARNIZIONE COPERCHIO	46	80.3205.00.2	1	ANELLO OR 2,62x25,07
12	53.0003.09.2	1	COPERCHIO CARTER	47	83.5062.10.2	1	NIPPLO G.3/4-M34x2
13	86.2216.00.2	9	VITE TCEI M6x25 UNI5931	48	82.0049.00.2	1	GALLETTO M34
14	85.3505.00.2	1	SPIA LIVELLO OLIO	49	84.0542.00.2	1	RACCORDO CURVO D.25
15	82.4081.00.2	1	GUARNIZIONE D.13,2x19x1,5	50	80.3200.00.2	1	ANELLO OR 2,62x22,22
16	85.2542.50.2	1	TAPPO G.1/4	51	53.0007.32.2	2	SUPPORTO ANELLO RADIALE
17	81.2846.00.2	2÷1	CUSCINETTO SFERE	52	86.3185.00.2	8	VITE TE M10x16 UNI5739
18	80.2143.10.2	2÷1	ANELLO RADIALE	53	53.9800.97.2	3	BIELLA COMPLETA
19	80.3287.00.2	2	ANELLO OR 3,53x82,14	54	86.2730.00.2	6	VITE TCEI M8x30 UNI5931
20	83.5051.10.2	1	NIPPLO G.1/2	55	84.3652.00.2	6	ROSETTA D.8,4x13x1,2
21	80.3187.00.2	1	ANELLO OR 2,62x17,86	56	81.2848.00.2	1	CUSCINETTO RULLI (vr."PP")
22	80.3320.00.2	6	ANELLO OR 5,0x26	57	53.0020.26.2	1	ALBERO ECCENTRICO (vr."PP")
23	85.2006.27.2	3	SPINOTTO D.12x29,5	58	80.2099.60.2	1	CAPPELLOTTA D.52x7 (vr."PP")
25	80.4450.00.2	3	BOCCOLA ANTIFRIZIONE	59	31.1468.32.2	1	CUFFIA DI PROTEZIONE (OPTIONAL)
26	80.3205.00.2	1	ANELLO OR 2,62x25,07	60	84.3801.00.2	4	ROSETTA D.10,5x18x2 (OPTIONAL)
27	85.2680.00.2	1	TAPPO G.3/4	61	86.3212.00.2	4	VITE TCEI M10x20 UNI5931 (OPTIONAL)
28	80.2118.00.2	3	ANELLO RADIALE	62	17.0013.61.2	2	COPERCHIO
29	53.0011.09.2	3	GUIDA PISTONE				
30	53.0017.68.2	3	RONDELLA PARASPRUZZI				
31	53.0018.18.2	3	PISTONE CERAMICO D.38				
32	86.3325.00.2	3	VITE STEI M10x35 UNI5923				
33	80.3182.50.2	3	ANELLO OR 2,62x17,13 VITON				
34	53.0015.53.2	3	TAPPO SERRAGGIO PISTONE				
35	53.9802.97.3	1	ASSIEME TESTATA				
36	86.3521.00.2	8	VITE TCEI M10x60 UNI5931				

IDROMECCANICA[®]
BERTOLINI



DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS

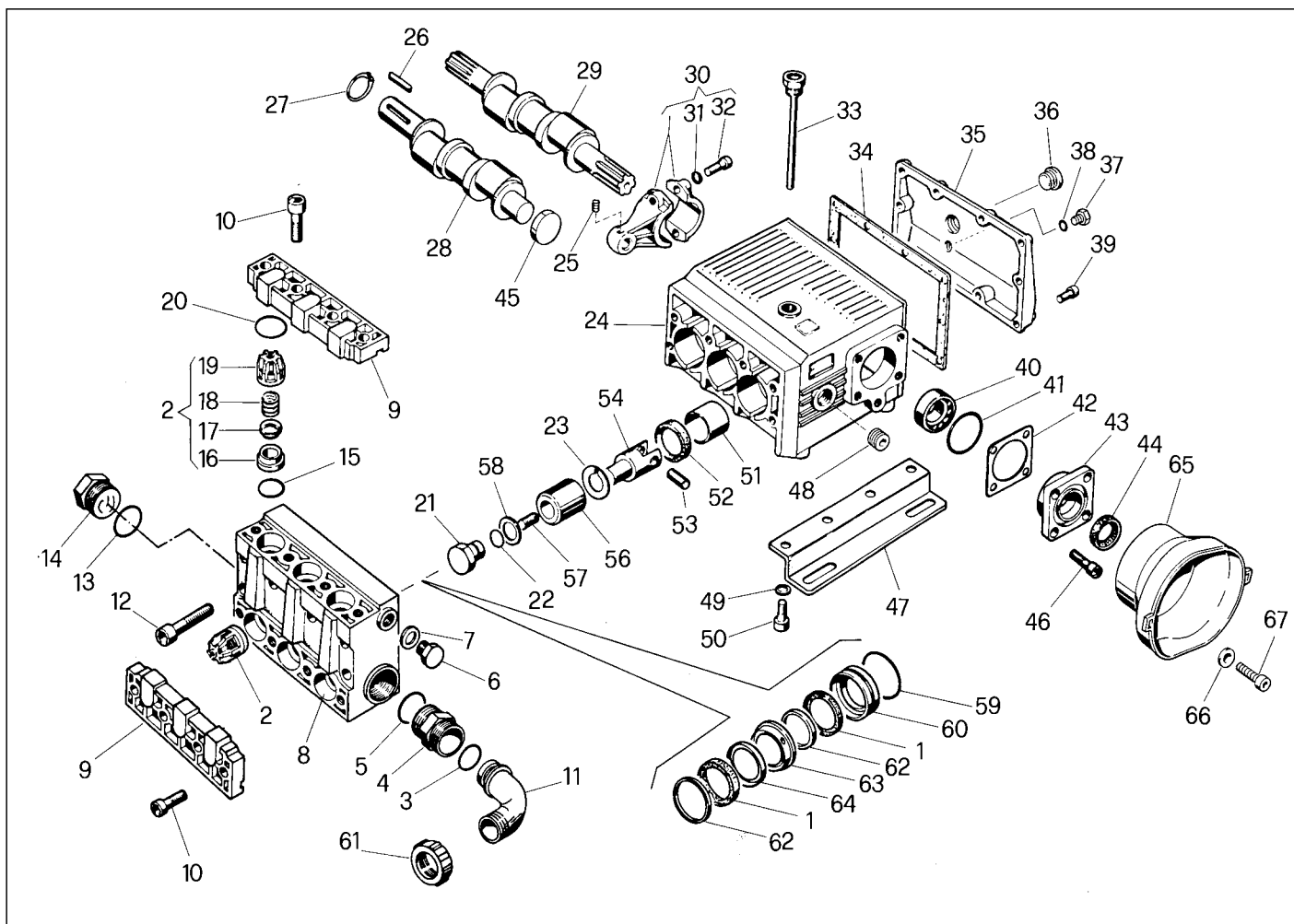


CODICE CODE	Q.TY	N. POS.	C 63 P - PR - PP	
			N.m	Lbr.ft
86.4200.00.2	8	10	108	79.7
86.4090.00.2	6	12	68	50.2
73.0048.53.2	3	21	40 (LOCTITE 242)	29.5 (LOCTITE 242)
86.1924.00.2	3	25	3	2.2
86.3439.00.2	6	32	40	29.5
86.2216.00.2	10	39	10	7.4
86.3900.00.2	3	57	50 (LOCTITE 270)	36.9 (LOCTITE 270)
86.3696.00.2	8	46	50	36.9
86.3703.00.2	4	50	68 (LOCTITE 242)	50.2 (LOCTITE 242)
TOLLERANZA DI SERRAGGIO:			0 → - 10%	
TOLERANCE ON TORQUE VALUE:			0 → - 10%	

Maintenance instructions for piston pumps
Page 12

KIT RICAMBI - SPARES KIT C 63 P - PR - PP																																					
KIT	CODICE PART NUMBER		73.1022.97.3							73.9870.97.3			73.9841.97.3				73.9843.97.3																				
	DESCRIZIONE DESCRIPTION		KIT POMPA PUMP KIT							VAM VALVES ASSY			GUARNIZ. PISTON PACKINGS				GUARNIZ. VITON-PIST. PACKINGS																				
POSIZIONE ESPLOSO POSITION NUMBER			34	44	52	22	15	20	41	45	2	15	20	64	62	1	59	64	62	1	59																
QUANTITÀ NEL KIT QUANTITIES INCLUDED			1	2	3	3	6	6	2	1	6	6	6	3	6	6	3	3	6	6	3																

C 63 P - PR - PP



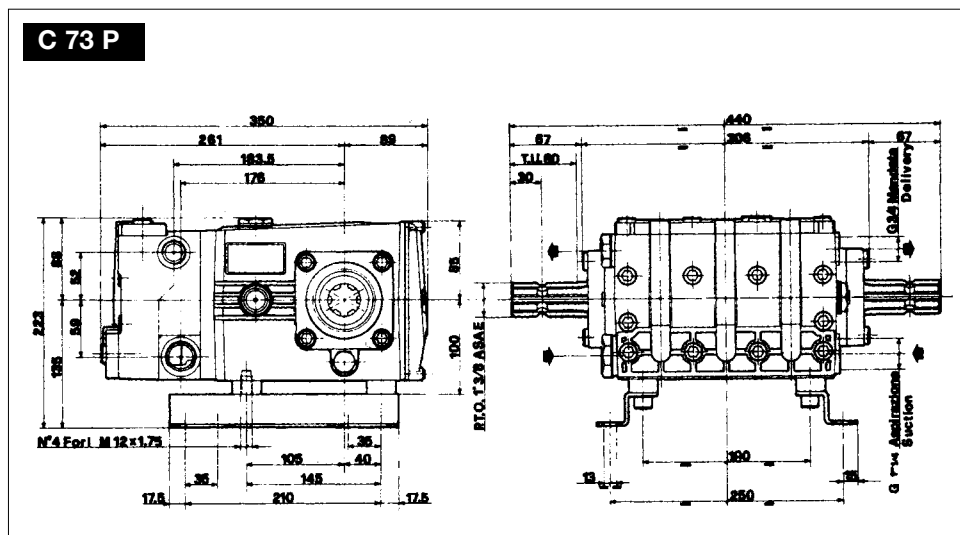
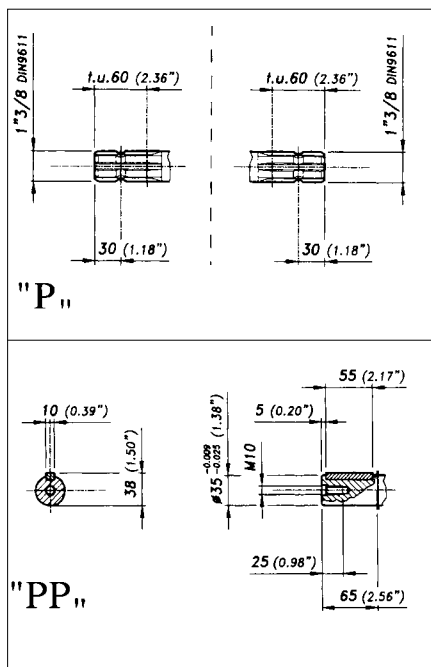
NOMENCLATURA RICAMBI POMPE A PISTONI "C 63 P - PR - PP"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	80.2200.00.2	6	ANELLO TENUTA A "V" D.45	36	85.3515.50.2	1	SPIA LIVELLO OLIO
2	35.9802.97.3	6	GRUPPO VALVOLA A/M	37	85.2579.00.2	1	TAPPO G.3/8
3	80.3219.10.2	1	ANELLO OR 3,0x30	38	82.4107.00.2	1	GUARNIZIONE D.16,5x23x1
4	83.5090.35.2	1	NIPPOLO G.1"1/4-G.1"1/2	39	86.2216.00.2	10	VITE TCEI M6x25 UNI5931
5	80.3209.00.2	1	ANELLO OR 2,62x39,34	40	81.2859.00.2	2	CUSCINETTO RULLI
6	85.2693.00.2	1	TAPPO G.3/4	41	80.3290.00.2	2	ANELLO OR 3,53x85,32
7	80.3218.00.2	1	ANELLO OR 3,0x22	42	73.0061.65.2	1	SPESSORE SP.0,1
8	73.0214.09.2	1	CORPO POMPA	42	73.0060.65.2	1	SPESSORE SP.0,2
9	73.0017.09.2	2	COPERCHIO VALVOLE	43	73.0003.09.2	2÷1	SUPPORTO CUSCINETTO
10	86.4200.00.2	8	VITE TCEI M14x40 UNI5931	43	73.0015.09.2	1	SUPPORTO CUSCINETTO (vr."PR")
11	84.0561.00.2	1	RACCORDO CURVO D.30	44	80.2143.00.2	2÷1	ANELLO RADIALE
12	86.4090.00.2	6	VITE TCEI M12x100 UNI5931	45	80.2099.60.2	1	CAPPELLOTTA (vr."PP" e "PR")
13	80.3209.00.2	1	ANELLO OR 2,62x39,34	46	86.3696.00.2	8	VITE TCEI M12x25 UNI5931
14	85.2740.00.2	1	TAPPO G.1"1/4	47	73.0024.61.2	2	PIEDINO
15	80.3251.00.2	6	ANELLO OR 3,53x32,93	48	85.2690.00.2	1	TAPPO CONICO EI G.3/4
16	73.0052.43.2	6	SEDE VALVOLA A/M	49	84.3906.00.2	4	ROSETTA ELASTICA D.13 UNI1751
17	73.0053.68.2	6	OTTURATORE VALVOLA A/M	50	86.3703.00.2	4	VITE TE M12x25 UNI5739
18	28.0048.51.2	6	MOLLA VALVOLA A/M	51	80.4465.00.2	3	BOCCOLA ANTIFRIZIONE
19	73.0028.32.2	6	GUIDA VALVOLA A/M	52	80.2180.00.2	3	ANELLO RADIALE
20	80.3262.00.2	6	ANELLO OR 3,53x41,28	53	85.2007.50.2	3	SPINOTTO
21	73.0048.53.2	3	TAPPO SERRAGGIO PISTONE	54	73.0011.09.2	3	PATTINO PORTA PISTONE
22	80.3195.50.2	3	ANELLO OR 2,62x20,24 VITON	56	73.0010.18.2	3	PISTONE CERAMICO D.45
23	84.4301.00.2	3	ROSETTA PARASPRUZZI	57	86.3900.00.2	3	VITE STEI M12x40 UNI5923 INOX
24	73.0001.08.2	1	CARTER POMPA	58	82.4161.00.2	3	GUARNIZIONE D.25,3x30x1
25	86.1924.00.2	3	VITE STEI M5x6 UNI5927 ESLOK	59	80.3283.00.2	3	ANELLO OR 3,53x58,74
26	80.6585.00.2	1	LINGUETTA 10x8x55 (vr."PP")	60	73.0070.53.2	3	LANTERNA POSTERIORE
26	80.6530.00.2	1	LINGUETTA 8x7x30 (vr."PR")	61	82.0070.00.2	1	GALLETTO G.1"1/2
27	80.1264.00.2	1	ANELLO SEEGER D.35 (vr."PP")	62	73.0044.32.2	6	ANELLO DI SPINTA
28	76.0028.26.2	1	ALBERO ECC. D.35 (vr."PP")	63	73.0068.53.2	3	LANTERNA ANTERIORE
28	73.0034.26.2	1	ALBERO ECC. D.30 (vr."PR")	64	73.0040.32.2	3	ANELLO ANTIESTRUSIONE
29	73.0031.26.2	1	ALBERO ECC. 1"3/8 (vr."P")	65	31.1482.32.2	1	CUFFIA DI PROTEZIONE (OPTIONAL)
30	73.0005.09.2	3	BIELLA COMPLETA ALLUMINIO	66	84.3696.00.2	2	ROSETTA D.8,4x18x2 (OPTIONAL)
30	73.0008.11.2	3	BIELLA COMPLETA BRONZO (OPTIONAL)	67	86.2475.00.2	2	VITE TCEI M8x14 UNI5931 (OPTIONAL)
31	84.3870.00.2	6	ROSETTA SCHNORR D.10,5				
32	86.3439.00.2	6	VITE TCEI M10x45 UNI5931				
33	85.3517.00.2	1	TAPPO CARICO OLIO				
34	73.0065.72.2	1	GUARNIZIONE CARTER				
35	73.0002.09.2	1	COPERCHIO				

**IDROMECCANICA[®]
BERTOLINI**



DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS

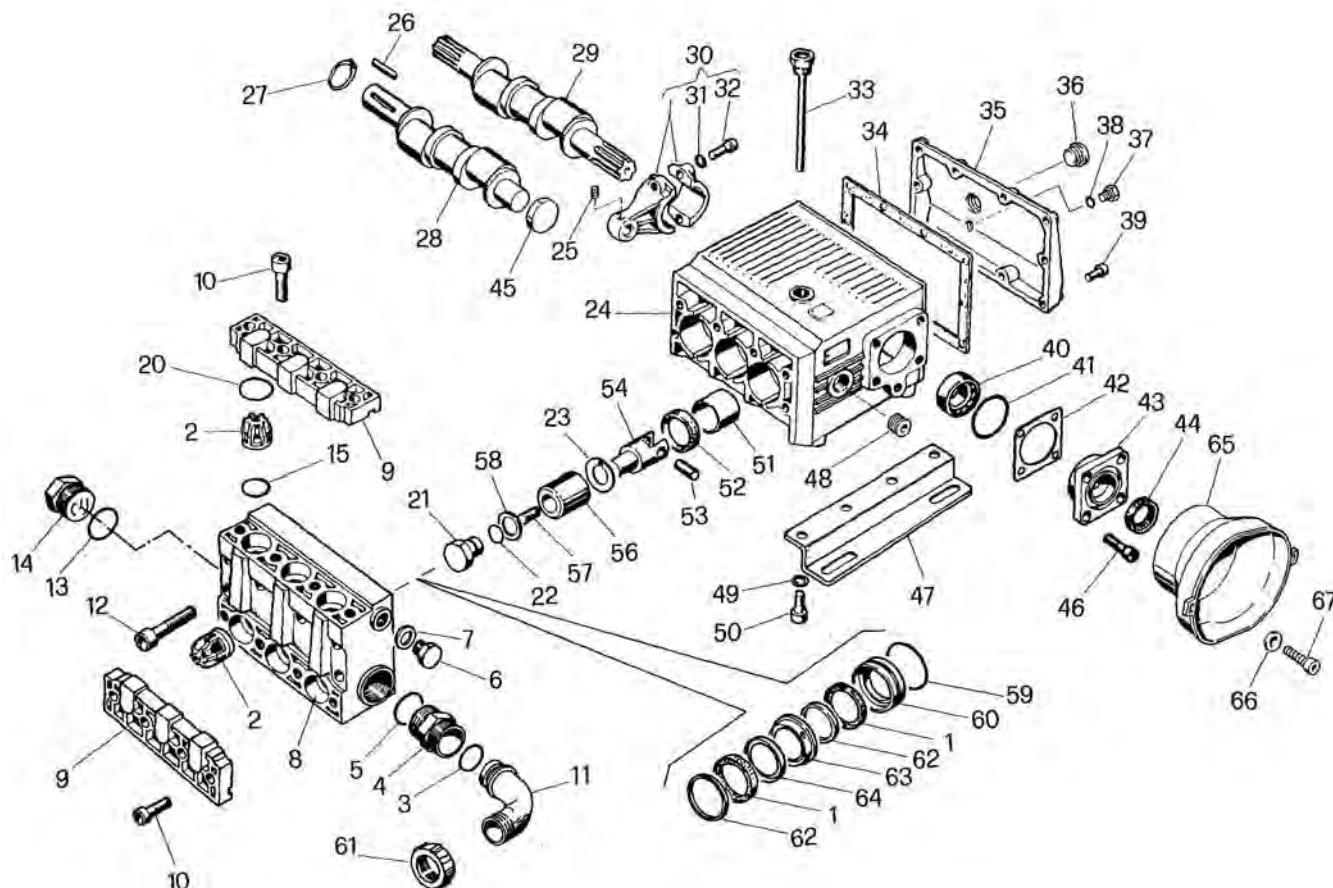


CODICE CODE	Q.TY	N. POS.	C 73 P - PR - PP	
			N.m	Lbr.ft
86.4200.00.2	8	10	108	79.7
86.4090.00.2	6	12	68	50.2
73.0048.53.2	3	21	40 (LOCTITE 242)	29.5 (LOCTITE 242)
86.1924.00.2	3	25	3	2.2
86.3439.00.2	6	32	40	29.5
86.2216.00.2	10	39	10	7.4
86.3900.00.2	3	57	40 (LOCTITE 270)	29.5 (LOCTITE 270)
86.3696.00.2	8	46	50	36.9
86.3703.00.2	4	50	68 (LOCTITE 242)	50.2 (LOCTITE 242)
TOLLERANZA DI SERRAGGIO:			0 → - 10%	
TOLERANCE ON TORQUE VALUE:			0 → - 10%	

Istruzioni di manutenzione pompe a piston
Pag. 6
Maintenance instructions for piston pumps
Page 12

KIT RICAMBI - SPARES KIT C 73 P - PR - PP																																		
KIT	CODICE PART NUMBER		73.1022.97.3							73.9870.97.3			73.9841.97.3				73.9843.97.3				73.9840.97.3						73.9842.97.3							
	DESCRIZIONE DESCRIPTION		KIT POMPA PUMP KIT							VAM VALVES ASSY			GUARNIZ. PISTON PACKINGS				GUARNIZ. VITON-PIST. PACKINGS				TENUTE COMPLETE COMPLETE PACKINGS						PARAOLI GUIDE PISTONI PLUNGERS OIL SEALS							
POSIZIONE ESPLOSO POSITION NUMBER			34	44	52	22	15	20	41	45	2	15	20	64	62	1	59	64	62	1	59	64	62	1	59	60	63	52						
QUANTITÀ NEL KIT QUANTITIES INCLUDED			1	2	3	3	6	6	2	1	6	6	6	3	6	6	3	3	6	6	3	3	6	6	3	3	3	3	3					

C 73 P - PR - PP



NOMENCLATURA RICAMBI POMPE A PISTONI "C 73 P - PR - PP"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	80.2200.00.2	6	ANELLO TENUTA A "V" D.45	40	81.2859.00.2	2	CUSCINETTO RULLI
2	73.9801.97.3	6	GRUPPO VALVOLA A/M	41	80.3290.00.2	2	ANELLO OR 3,53x85,32
3	80.3219.10.2	1	ANELLO OR 3,0x30	42	73.0061.65.2	1	SPESSORE SP.0,1
4	83.5090.35.2	1	NIPPLO G.1"1/4-G.1"1/2	42	73.0060.65.2	1	SPESSORE SP.0,2
5	80.3209.00.2	1	ANELLO OR 2,62x39,34	43	73.0003.09.2	2÷1	SUPPORTO CUSCINETTO
6	85.2693.00.2	1	TAPPO G.3/4	43	73.0015.09.2	1	SUPPORTO CUSCINETTO (vr."PR")
7	80.3218.00.2	1	ANELLO OR 3,0x22	44	80.2143.00.2	2÷1	ANELLO RADIALE
8	73.0214.09.2	1	CORPO POMPA	45	80.2099.60.2	1	CAPPELLOTTA (vr."PP" e "PR")
9	73.0017.09.2	2	COPERCHIO VALVOLE	46	86.3696.00.2	8	VITE TCEI M12x25 UNI5931
10	86.4200.00.2	8	VITE TCEI M14x40 UNI5931	47	73.0024.61.2	2	PIEDINO
11	84.0561.00.2	1	RACCORDO CURVO D.30	48	85.2690.00.2	1	TAPPO CONICO EI G.3/4
12	86.4090.00.2	6	VITE TCEI M12x100 UNI5931	49	84.3906.00.2	4	ROSETTA ELASTICA D.13 UNI1751
13	80.3209.00.2	1	ANELLO OR 2,62x39,34	50	86.3703.00.2	4	VITE TE M12x25 UNI5739
14	85.2740.00.2	1	TAPPO G.1"1/4	51	80.4465.00.2	3	BOCCOLA ANTIFRIZIONE
15	80.3251.00.2	6	ANELLO OR 3,53x32,93	52	80.2180.00.2	3	ANELLO RADIALE
20	80.3262.00.2	6	ANELLO OR 3,53x41,28	53	85.2007.50.2	3	SPINOTTO
21	73.0048.53.2	3	TAPPO SERRAGGIO PISTONE	54	73.0011.09.2	3	PATTINO PORTA PISTONE
22	80.3195.50.2	3	ANELLO OR 2,62x20,24 VITON	56	73.0010.18.2	3	PISTONE CERAMICO D.45
23	84.4301.00.2	3	ROSETTA PARASPRUZZI	57	86.3900.00.2	3	VITE STEI M12x40 UNI5923 INOX
24	73.0001.08.2	1	CARTER POMPA	58	82.4161.00.2	3	GUARNIZIONE D.25,3x30x1
25	86.1924.00.2	3	VITE STEI M5x6 UNI5927 ESLOK	59	80.3283.00.2	3	ANELLO OR 3,53x58,74 *
26	80.6585.00.2	1	LINGUETTA 10x8x55 (vr."PP")	60	73.0070.53.2	3	LANTERNA POSTERIORE
26	80.6530.00.2	1	LINGUETTA 8x7x30 (vr."PR")	61	82.0070.00.2	1	GALLETTO G.1"1/2
27	80.1264.00.2	1	ANELLO SEEGER D.35 (vr."PP")	62	73.0044.32.2	6	ANELLO DI SPINTA
28	73.0037.26.2	1	ALBERO ECC. D.35 (vr."PP")	63	73.0068.53.2	3	LANTERNA ANTERIORE
28	73.0033.26.2	1	ALBERO ECC. D.30 (vr."PR")	64	73.0040.32.2	3	ANELLO ANTIESTRUSIONE
29	73.0030.26.2	1	ALBERO ECC. 1"3/8 (vr."P")	65	31.1482.32.2	1	CUFFIA DI PROTEZIONE (OPTIONAL)
30	73.0005.09.2	3	BIELLA COMPLETA ALLUMINIO	66	84.3696.00.2	2	ROSETTA D.8,4x18x2 (OPTIONAL)
30	73.0008.11.2	3	BIELLA COMPLETA BRONZO (OPTIONAL)	67	86.2475.00.2	2	VITE TCEI M8x14 UNI5931 (OPTIONAL)
31	84.3870.00.2	6	ROSETTA SCHNORR D.10,5				
32	86.3439.00.2	6	VITE TCEI M10x45 UNI5931				
33	85.3517.00.2	1	TAPPO CARICO OLIO				
34	73.0065.72.2	1	GUARNIZIONE CARTER				
35	73.0002.09.2	1	COPERCHIO				
36	85.3515.50.2	1	SPIA LIVELLO OLIO				
37	85.2579.00.2	1	TAPPO G.3/8				
38	82.4107.00.2	1	GUARNIZIONE D.16,5x23x1				
39	86.2216.00.2	10	VITE TCEI M6x25 UNI5931				

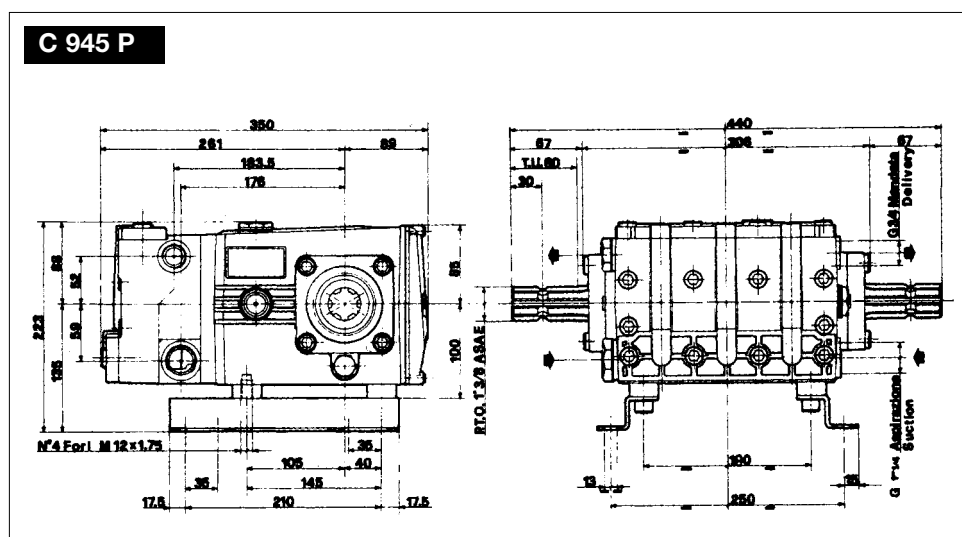
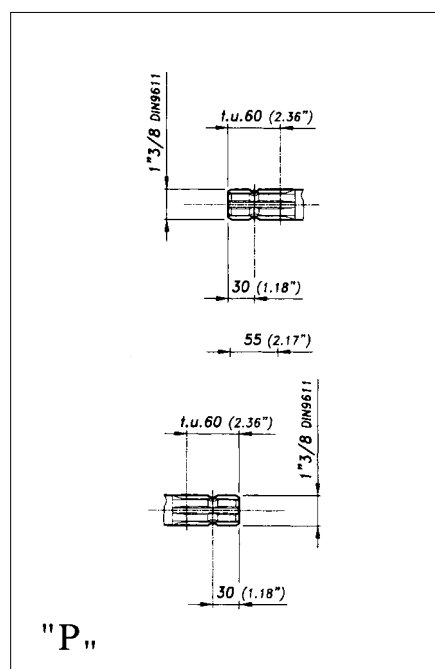
* IN VITON REPLACE THE LAST 3 NUMBERS BY....50.2

C 945 P



ALBERO POMPA - PUMP SHAFT

DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



COPPIA DI SERRAGGIO - TORQUE CHART

CODICE CODE	Q.TY	N. POS.	C 945 P	
			N.m	Lbr.ft
86.4200.00.2	8	10	108	79.7
86.4090.00.2	6	12	68	50.2
86.3439.00.2	6	32	40	29.5
86.2216.00.2	10	39	10	7.4
86.3950.00.2	3	21	40	29.5
86.1924.00.2	3	25	3	2.2
86.3703.00.2	4	50	68	50.2
86.3696.00.2	8	46	50	36.9
TOLLERANZA DI SERRAGGIO:			0 → - 10%	
TOLERANCE ON TORQUE VALUE:			0 → - 10%	

Installazione e norme generali di sicurezza
Pag. 2

Installation and general safety information
Page 8

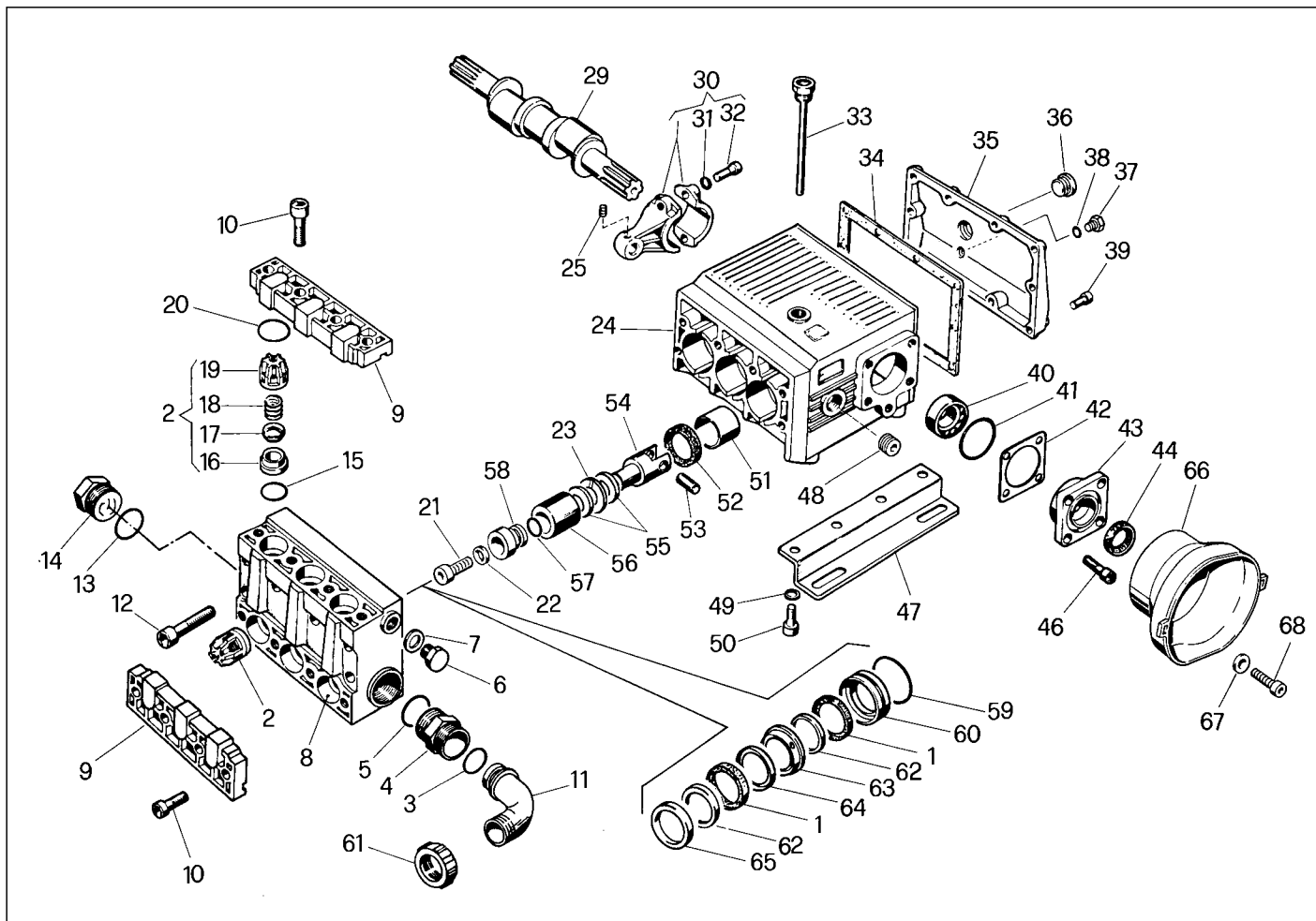
Istruzioni di manutenzione pompe a
membrana Pag. 6

Maintenance instructions for piston pumps
Page 12

KIT RICAMBI - SPARES KIT C 945 P

KIT	CODICE PART NUMBER		73.1022.97.3								73.9870.97.3				73.9841.97.3				73.9843.97.3																
	DESCRIZIONE DESCRIPTION		KIT POMPA PUMP KIT								VAM VALVES ASSY				GUARNIZ. PISTON PACKINGS				GUARNIZ. VITON-PIST. PACKINGS																
POSIZIONE ESPLOSO POSITION NUMBER			34	44	52	57	15	20	41		2	15	20	64	62	1	59	64	62	1	59														
QUANTITÀ NEL KIT QUANTITIES INCLUDED			1	2	3	3	6	6	2		6	6	6	3	6	6	3	3	6	6	3														

C 945 P



NOMENCLATURA RICAMBI POMPE A PISTONI "C 945 P"

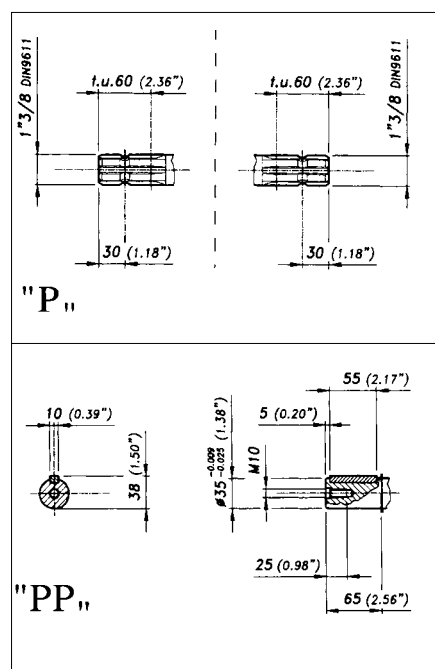
POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	80.2200.00.2	6	ANELLO TENUTA A "V" D.45	39	86.2216.00.2	10	VITE TCEI M6x25 UNI5931
2	73.9801.97.3	6	GRUPPO VALVOLA A/M	40	81.2859.00.2	2	CUSCINETTO RULLI
3	80.3219.10.2	1	ANELLO OR 3,0x30	41	80.3290.00.2	2	ANELLO OR 3,53x85,32
4	83.5090.35.2	1	NIPPOLO G.1"1/4-G.1"1/2	42	73.0061.65.2	1	SPESSORE SP.0,1
5	80.3209.00.2	1	ANELLO OR 2,62x39,34	42	73.0060.65.2	1	SPESSORE SP.0,2
6	85.2693.00.2	1	TAPPO G.3/4	43	73.0003.09.2	2	SUPPORTO CUSCINETTO
7	80.3218.00.2	1	ANELLO OR 3,0x22	44	80.2143.00.2	2	ANELLO RADIALE
8	73.0214.09.2	1	CORPO POMPA	46	86.3696.00.2	8	VITE TCEI M12x25 UNI5931
9	73.0017.09.2	2	COPERCHIO VALVOLE	47	73.0024.61.2	2	PIEDINO
10	86.4200.00.2	8	VITE TCEI M14x40 UNI5931	48	85.2690.00.2	1	TAPPO CONICO EI G.3/4
11	84.0591.00.2	1	RACCORDO CURVO D.40	49	84.3906.00.2	4	ROSETTA ELASTICA D.13
12	86.4090.00.2	6	VITE TCEI M12x100 UNI5931	50	86.3703.00.2	4	VITE TE M12x25 UNI5739
13	80.3209.00.2	1	ANELLO OR 2,62x39,34	51	80.4465.00.2	3	BOCCOLA ANTIFRIZIONE
14	85.2740.00.2	1	TAPPO G.1"1/4	52	80.2180.00.2	3	ANELLO RADIALE
15	80.3251.00.2	6	ANELLO OR 3,53x32,93	53	85.2007.50.2	3	SPINOTTO
16	73.0052.43.2	6	SEDE VALVOLA A/M	54	73.0011.09.2	3	PATTINO PORTA PISTONE
17	73.0053.68.2	6	OTTURATORE VALVOLA A/M	55	73.0056.53.2	6	DISTANZIALE PISTONE
18	73.0066.51.2	6	MOLLA VALVOLA A/M	56	73.0010.18.2	3	PISTONE CERAMICO D.45
19	73.0028.32.2	6	GUIDA VALVOLA A/M	57	80.3195.50.2	3	ANELLO OR 2,62x20,24 VITON
20	80.3262.00.2	6	ANELLO OR 3,53x41,28	58	73.0041.51.2	3	RONDELLA FISSAGGIO PISTONE
21	86.3950.00.2	3	VITE TCEI M12x45 UNI5931 INOX	59	80.3283.00.2	3	ANELLO OR 3,53x58,74
22	84.3872.00.2	3	RONDELLA CON TENUTA	60	73.0070.53.2	3	LANTERNA POSTERIORE
23	84.4301.00.2	3	ROSETTA PARASPRUZZI	61	82.0070.00.2	1	GALLETTO G.1"1/2
24	73.0300.08.2	1	CARTER POMPA	62	73.0044.32.2	6	ANELLO DI SPINTA
25	86.1924.00.2	3	VITE STEI M5x6 UNI5927 ESLOK	63	73.0058.53.2	3	LANTERNA ANTERIORE
29	73.0127.26.2	1	ALBERO ECC. 1"3/8	64	73.0040.32.2	3	ANELLO ANTIESTRUSIONE
30	73.0005.09.2	3	BIELLA COMPLETA ALLUMINIO	65	73.0039.53.2	3	DISTANZIALE DI FONDO
30	73.0008.11.2	3	BIELLA COMPLETA BRONZO (OPTIONAL)	66	31.1482.32.2	1	CUFFIA DI PROTEZIONE (OPTIONAL)
31	84.3870.00.2	6	ROSETTA SCHNORR D.10,5	67	84.3696.00.2	2	ROSETTA D.8,4x18x2 (OPTIONAL)
32	86.3439.00.2	6	VITE TCEI M10x45 UNI5931	68	86.2475.00.2	2	VITE TCEI M8x14 UNI5931 (OPTIONAL)
33	85.3517.00.2	1	TAPPO CARICO OLIO				
34	73.0065.72.2	1	GUARNIZIONE COPERCHIO				
35	73.0002.09.2	1	COPERCHIO				
36	85.3515.50.2	1	SPIA LIVELLO OLIO				
37	85.2579.00.2	1	TAPPO G.3/8				
38	82.4107.00.2	1	GUARNIZIONE D.16,5x23x1 FIBRA				

* IN VITON REPLACE THE LAST 3 NUMBERS BY....50.2

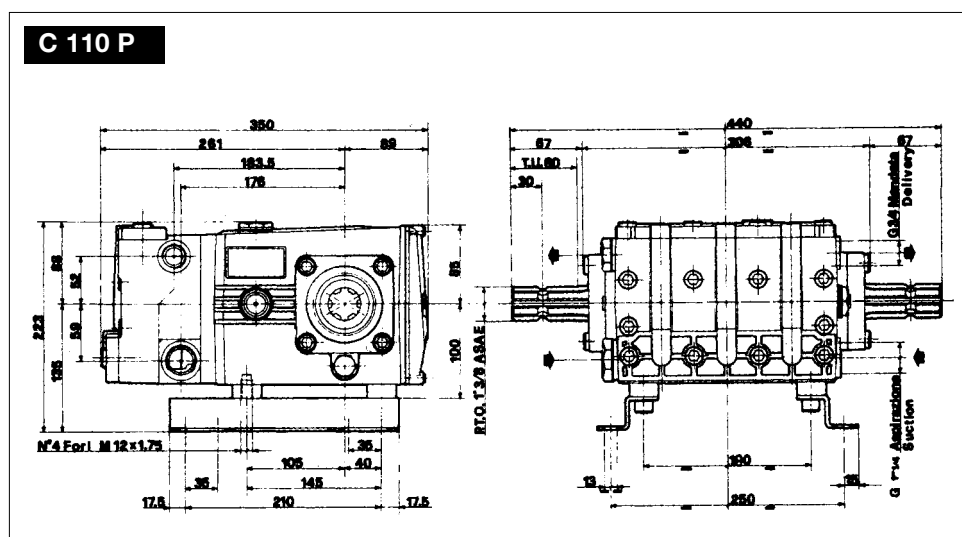
C 110 P - PP



ALBERO POMPA - PUMP SHAFT



DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



COPPIA DI SERRAGGIO - TORQUE CHART

CODICE CODE	Q.TY	N. POS.	C 110 P - PP	
			N.m	Lbr.ft
86.4200.00.2	8	10	108	79.7
86.4090.00.2	6	12	68	50.2
86.3439.00.2	6	32	40	29.5
86.2216.00.2	10	39	10	7.4
86.3950.00.2	3	21	40	29.5
86.1924.00.2	3	25	3	2.2
86.3703.00.2	4	50	68	50.2
86.3696.00.2	8	46	50	36.9
TOLLERANZA DI SERRAGGIO:			0 → - 10%	
TOLERANCE ON TORQUE VALUE:			0 → - 10%	

Installazione e norme generali di sicurezza
Pag. 2

Installation and general safety information
Page 8

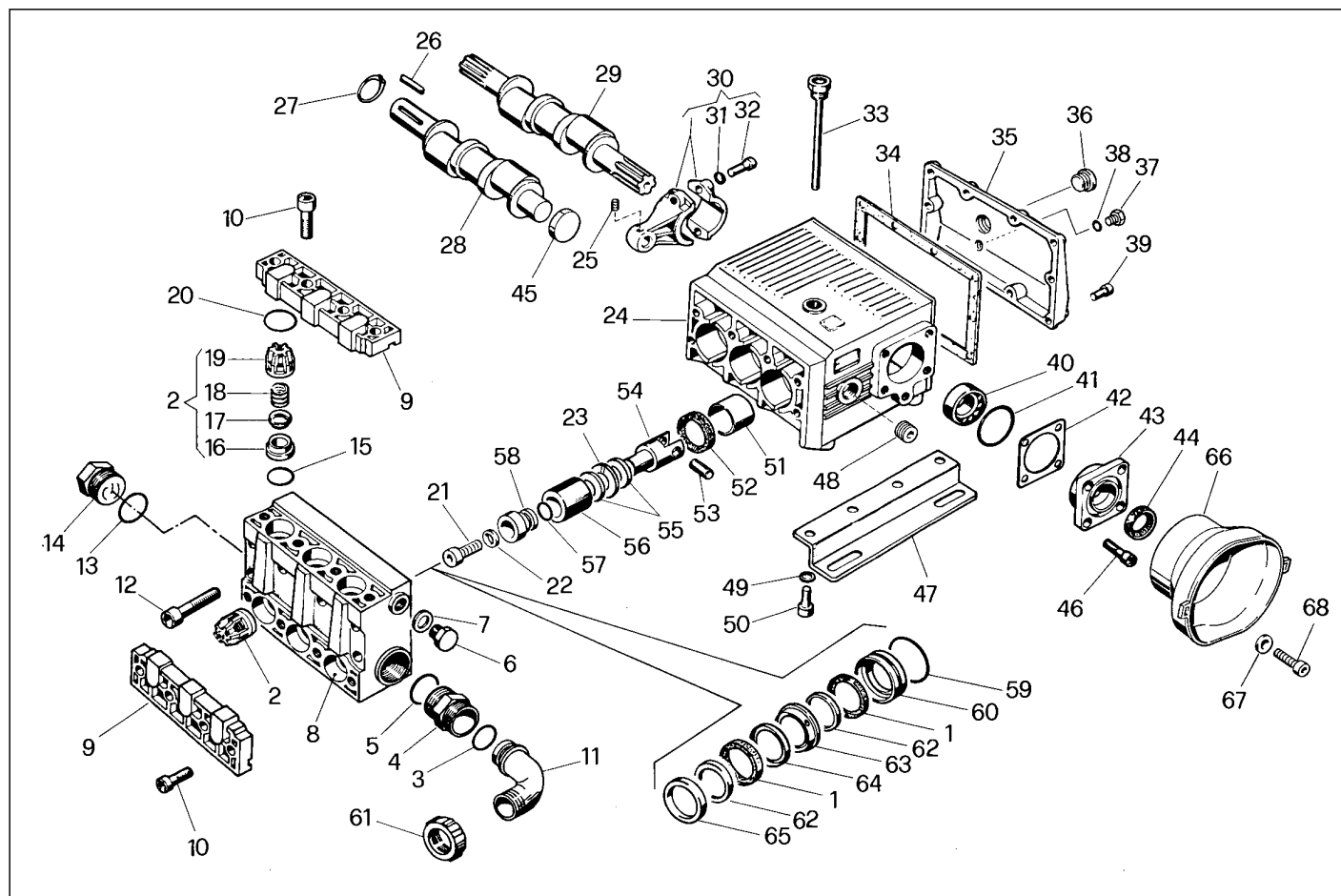
Istruzioni di manutenzione pompe a
membrana Pag. 6

Maintenance instructions for piston pumps
Page 12

KIT RICAMBI - SPARES KIT C 110 P - PP

KIT	CODICE PART NUMBER		73.1022.97.3								73.9870.97.3				73.9841.97.3				73.9843.97.3																
	DESCRIZIONE DESCRIPTION		KIT POMPA PUMP KIT								VAM VALVES ASSY				GUARNIZ. PISTON PACKINGS				GUARNIZ. VITON-PIST. PACKINGS																
POSIZIONE ESPLOSO POSITION NUMBER			34	44	52	57	15	20	41		2	15	20	64	62	1	59	64	62	1	59														
QUANTITÀ NEL KIT QUANTITIES INCLUDED			1	2	3	3	6	6	2		6	6	6	3	6	6	3	3	6	6	3														

C 110 P - PP



NOMENCLATURA RICAMBI POMPE A PISTONI "C 110 P - PP"

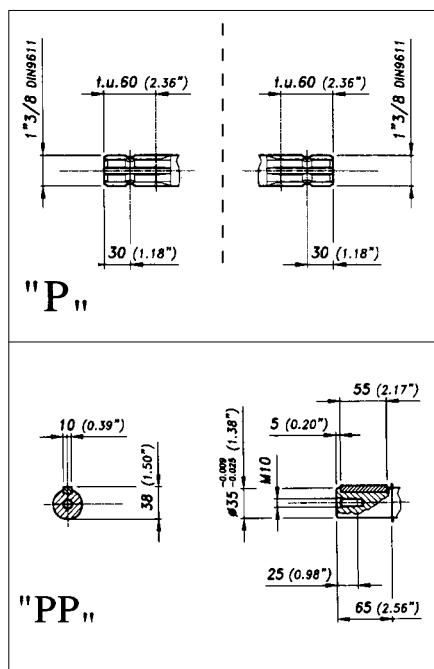
POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	80.2200.00.2	6	ANELLO TENUTA A "V" D.45	38	82.4107.00.2	1	GUARNIZIONE D.16,5x23x1
2	73.9801.97.3	6	GRUPPO VALVOLA A/M	39	86.2216.00.2	10	VITE TCEI M6x25 UNI5931
3	80.3219.10.2	1	ANELLO OR 3,0x30	40	81.2859.00.2	2	CUSCINETTO RULLI
4	83.5090.35.2	1	NIPPOLO G.1"1/4-G.1"1/2	41	80.3290.00.2	2	ANELLO OR 3,53x85,32
5	80.3209.00.2	1	ANELLO OR 2,62x39,34	42	73.0061.65.2	1	SPESSORE SP.0,1
6	85.2693.00.2	1	TAPPO G.3/4	42	73.0060.65.2	1	SPESSORE SP.0,2
7	80.3218.00.2	1	ANELLO OR 3,0x22	43	73.0003.09.2	2	SUPPORTO CUSCINETTO
8	73.0214.09.2	1	CORPO POMPA	44	80.2143.00.2	2÷1	ANELLO RADIALE
9	73.0017.09.2	2	COPERCHIO VALVOLE	45	80.2099.60.2	1	CAPPELLOTTO (vr."PP")
10	86.4200.00.2	8	VITE TCEI M14x40 UNI5931	46	86.3696.00.2	8	VITE TCEI M12x25 UNI5931
11	84.0591.00.2	1	RACCORDO CURVO D.40	47	73.0024.61.2	2	PIEDINO
12	86.4090.00.2	6	VITE TCEI M12x100 UNI5931	48	85.2690.00.2	1	TAPPO CONICO EI G.3/4
13	80.3209.00.2	1	ANELLO OR 2,62x39,34	49	84.3906.00.2	4	ROSETTA ELASTICA D.13
14	85.2740.00.2	1	TAPPO G.1"1/4	50	86.3703.00.2	4	VITE TE M12x25 UNI5739
15	80.3251.00.2	6	ANELLO OR 3,53x32,93	51	80.4465.00.2	3	BOCCOLA ANTIFRIZIONE
16	73.0052.43.2	6	SEDE VALVOLA A/M	52	80.2180.00.2	3	ANELLO RADIALE
17	73.0053.68.2	6	OTTURATORE VALVOLA A/M	53	85.2007.50.2	3	SPINOTTO
18	73.0066.51.2	6	MOLLA VALVOLA A/M	54	73.0011.09.2	3	PATTINO PORTA PISTONE
19	73.0028.32.2	6	GUIDA VALVOLA A/M	55	73.0056.53.2	6	DISTANZIALE PISTONE
20	80.3262.00.2	6	ANELLO OR 3,53x41,28	56	73.0010.18.2	3	PISTONE CERAMICO D.45
21	86.3950.00.2	3	VITE TCEI M12x45 UNI5931 INOX	57	80.3195.50.2	3	ANELLO OR 2,62x20,24 VITON
22	84.3872.00.2	3	RONDELLA CON TENUTA	58	73.0041.51.2	3	RONDELLA FISSAGGIO PISTONE
23	84.4301.00.2	3	ROSETTA PARASPRUZZI	59	80.3283.00.2	3	ANELLO OR 3,53x58,74
24	73.0300.08.2	1	CARTER POMPA	60	73.0070.53.2	3	LANTERNA POSTERIORE
25	86.1924.00.2	3	VITE STEI M5x6 UNI5927 ESLOK	61	82.0070.00.2	1	GALLETTO G.1"1/2
26	80.6585.00.2	1	LINGUETTA 10x8x55 (vr."PP")	62	73.0044.32.2	6	ANELLO DI SPINTA
27	80.1264.00.2	1	ANELLO SEEGER D.35 (vr."PP")	63	73.0058.53.2	3	LANTERNA ANTERIORE
28	76.0027.26.2	1	ALBERO ECC. D.35 (vr."PP")	64	73.0040.32.2	3	ANELLO ANTIESTRUSIONE
29	73.0032.26.2	1	ALBERO ECC. 1"3/8 (vr."P")	65	73.0039.53.2	3	DISTANZIALE DI FONDO
30	73.0005.09.2	3	BIELLA COMPLETA ALLUMINIO	66	31.1482.32.2	1	CUFFIA DI PROTEZIONE (OPTIONAL)
30	73.0008.11.2	3	BIELLA COMPLETA BRONZO (OPTIONAL)	67	84.3696.00.2	2	ROSETTA D.8,4x18x2 (OPTIONAL)
31	84.3870.00.2	6	ROSETTA SCHNORR D.10,5	68	86.2475.00.2	2	VITE TCEI M8x14 UNI5931 (OPTIONAL)
32	86.3439.00.2	6	VITE TCEI M10x45 UNI5931				
33	85.3517.00.2	1	TAPPO CARICO OLIO				
34	73.0065.72.2	1	GUARNIZIONE COPERCHIO				
35	73.0002.09.2	1	COPERCHIO				
36	85.3515.50.2	1	SPIA LIVELLO OLIO				
37	85.2579.00.2	1	TAPPO G.3/8				

* IN VITON REPLACE THE LAST 3 NUMBERS BY...50.2

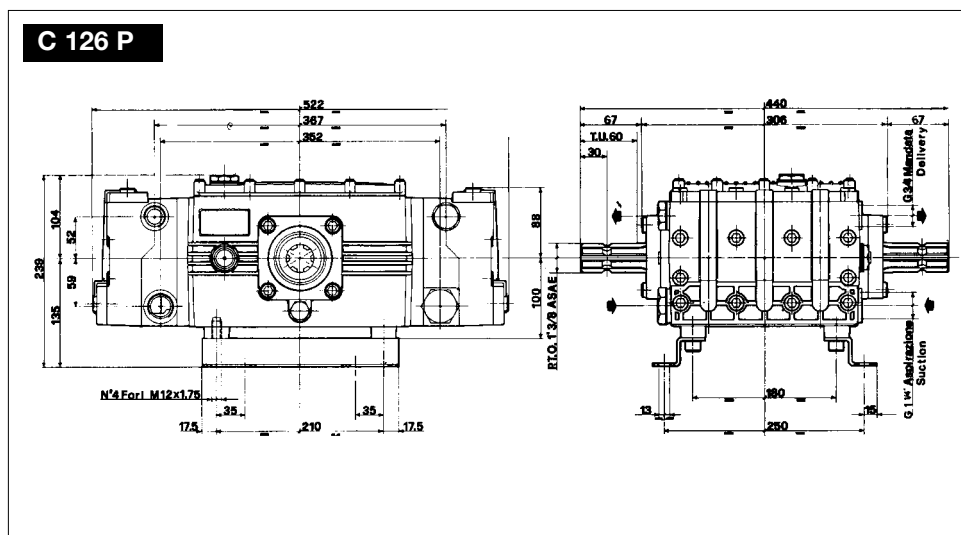
C 126 P - PR - PP



ALBERO POMPA - PUMP SHAFT



DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



COPPIA DI SERRAGGIO - TORQUE CHART

CODICE CODE	Q.TY	N. POS.	C 126 P - PR - PP	
			N.m	Lbr.ft
86.4200.00.2	16	10	108	79.7
86.4090.00.2	12	12	68	50.2
86.2216.00.2	16	30	10	7.4
86.3900.00.2	6	61	50	36.9
86.1924.00.2	6	39	3	2.2
86.1930.00.2	12	34	5	3.7
73.0048.53.2	6	64	40	29.5
86.3740.00.2	4	53	68	50.2
86.3696.00.2	8	47	50	36.9
TOLLERANZA DI SERRAGGIO:			0 → - 10%	
TOLERANCE ON TORQUE VALUE:			0 → - 10%	

Installazione e norme generali di sicurezza
Pag. 2

Installation and general safety information
Page 8

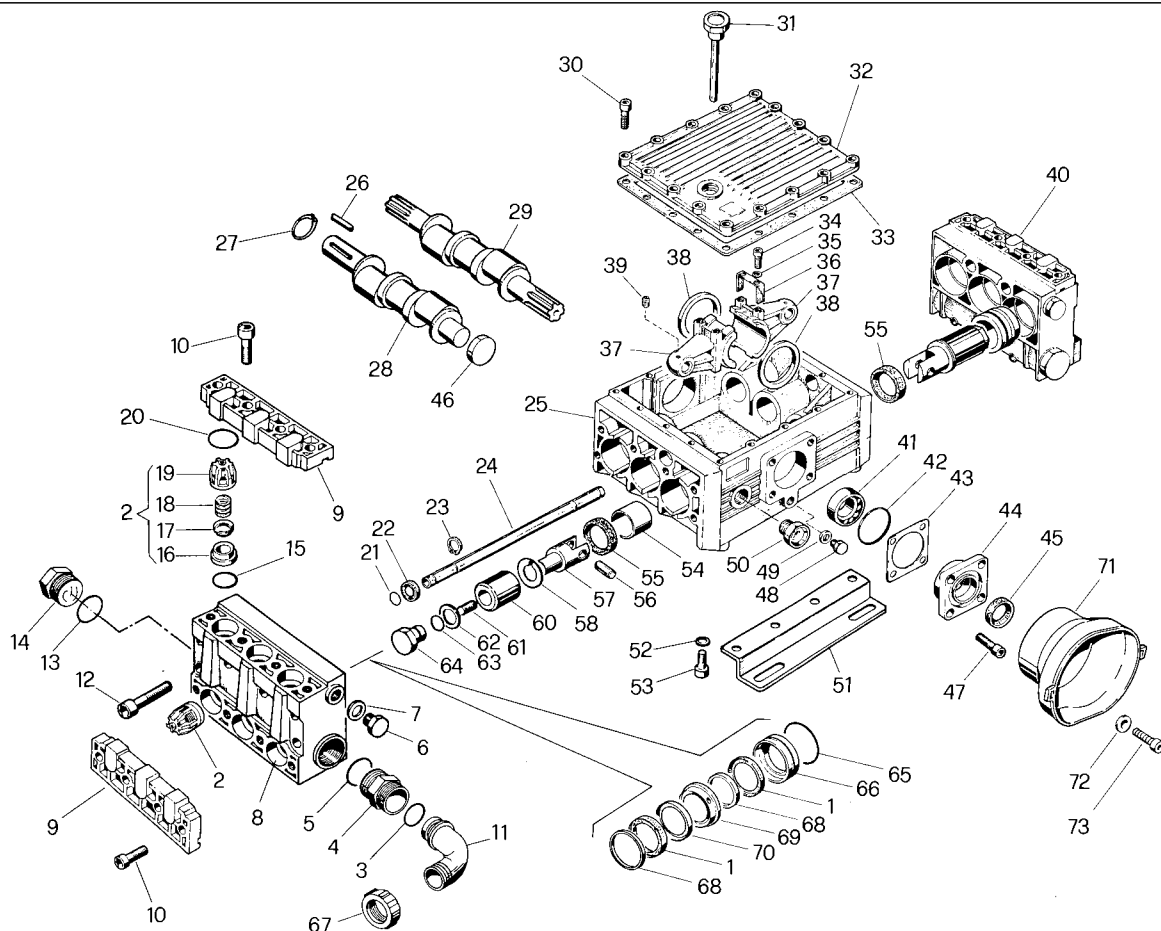
Istruzioni di manutenzione pompe a
membrana Pag. 6

Maintenance instructions for piston pumps
Page 12

KIT RICAMBI - SPARES KIT C 126 P - PR - PP

KIT	CODICE PART NUMBER	76.1060.97.3												76.9870.97.3			73.9845.97.3			76.9825.97.3																		
	DESCRIZIONE DESCRIPTION	KIT POMPA PUMP KIT												VAM VALVES ASSY			GUARNIZ. PISTON PACKINGS			GUARNIZ. VITON-PIST. PACKINGS																		
POSIZIONE ESPLOSO POSITION NUMBER		33	22	45	55	63	21	20	15	42	46	2	20	15	70	68	1	65	70	68	1	65																
QUANTITÀ NEL KIT QUANTITIES INCLUDED		1	2	2	6	6	4	12	12	2	1	12	12	12	6	12	12	6	6	12	12	6																

C 126 P - PR - PP



NOMENCLATURA RICAMBI POMPE A PISTONI "C 126 P - PR - PP"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	80.2200.00.2	12	ANELLO TENUTA A "V" D.45	38	76.0047.76.2	6	ANELLO SERRAGGIO BIELLE
2	35.9802.97.3	12	GRUPPO VALVOLA A/M	39	86.1924.00.2	6	VITE STEI M5x6 UNI5927 ESLOK
3	80.3219.10.2	2	ANELLO OR 3,0x30	40	76.0223.09.2	1	CORPO POMPA "DESTRO"
4	83.5090.35.2	2	NIPPLO G.1"1/4-G.1"1/2	41	81.2859.00.2	2	CUSCINETTO RULLI
5	80.3209.00.2	2	ANELLO OR 2,62x39,34	42	80.3290.00.2	2	ANELLO OR 3,53x85,32
6	85.2693.00.2	2	TAPPO G.3/4	43	73.0061.65.2	1	SPESSORE SP.0,1
7	80.3218.00.2	2	ANELLO OR 3,0x22	43	73.0060.65.2	1	SPESSORE SP.0,2
8	76.0224.09.2	1	CORPO POMPA "SINISTRO"	44	73.0003.09.2	2÷1	SUPPORTO CUSCINETTO
9	73.0017.09.2	4	COPERCHIO VALVOLE	44	73.0015.09.2	1	SUPPORTO CUSCINETTO (vr."PR")
10	86.4200.00.2	16	VITE TCEI M14x40 UNI5931	45	80.2143.00.2	2÷1	ANELLO RADIALE
11	84.0561.00.2	2	RACCORDO CURVO D.30	46	80.2099.60.2	1	CAPPELLOTTA D.52x7 (vr."PP" e "PR")
12	86.4090.00.2	12	VITE TCEI M12x100 UNI5931	47	86.3696.00.2	8	VITE TCEI M12x25 UNI5931
13	80.3209.00.2	2	ANELLO OR 2,62x39,34	48	85.2579.00.2	1	TAPPO G.3/8
14	85.2740.00.2	2	TAPPO G.1"1/4	49	82.4109.00.2	1	GUARNIZIONE D.17x22x1
15	80.3251.00.2	12	ANELLO OR 3,53x32,93	50	85.3515.00.2	1	SPIA LIVELLO OLIO
16	73.0052.43.2	12	SEDE VALVOLA A/M	51	73.0024.61.2	2	PIEDINO
17	73.0053.68.2	12	OTTURATORE VALVOLA A/M	52	84.3906.00.2	4	ROSETTA ELASTICA D.13
18	28.0048.51.2	12	MOLLA VALVOLA A/M	53	86.3740.00.2	4	VITE TE M12x30 UNI5739
19	73.0028.32.2	12	GUIDA VALVOLA A/M	54	80.4465.00.2	6	BOCCOLA ANTIFRIZIONE
20	80.3262.00.2	12	ANELLO OR 3,53x41,28	55	80.2180.00.2	6	ANELLO RADIALE
21	80.3217.30.2	4	ANELLO OR 3,0x16	56	85.2007.50.2	6	SPINOTTO
22	80.2089.00.2	2	ANELLO RADIALE	57	73.0011.09.2	6	PATTINO PORTA PISTONE
23	80.1160.00.2	2	ANELLO SEEGER D.22	58	84.4301.00.2	6	ROSETTA PARASPRUZZI
24	76.0055.82.2	1	TUBO COLLEGAMENTO MANDATA	60	73.0010.18.2	6	PISTONE CERAMICO D.45
25	76.0001.08.2	1	CARTER POMPA	61	86.3900.00.2	6	VITE STEI M12x40 UNI5923 INOX
26	80.6585.00.2	1	LINGUETTA 10x8x55 (vr."PP")	62	82.4161.00.2	6	GUARNIZIONE D.25,3x30x1
26	80.6530.00.2	1	LINGUETTA 8x7x30 (vr."PR")	63	80.3195.50.2	6	ANELLO OR 2,62x20,24 VITON
27	80.1264.00.2	1	ANELLO SEEGER D.35 (vr."PP")	64	73.0048.53.2	6	TAPPO SERRAGGIO PISTONE
28	76.0028.26.2	1	ALBERO ECC. D.35 (vr."PP")	65	80.3283.00.2	6	ANELLO OR 3,53x58,74
28	73.0034.26.2	1	ALBERO ECC. D.30 (vr."PR")	66	73.0070.53.2	6	LANTERNA POSTERIORE
29	73.0031.26.2	1	ALBERO ECC. 1"3/8 (vr."P")	67	82.0070.00.2	2	GALLETTO G.1"1/2
30	86.2216.00.2	16	VITE TCEI M6x25 UNI5931	68	73.0044.32.2	12	ANELLO DI SPINTA
31	85.3519.00.2	1	TAPPO CARICO OLIO	69	73.0068.53.2	6	LANTERNA ANTERIORE
32	76.0002.09.2	1	COPERCHIO	70	73.0040.32.2	6	ANELLO ANTIESTRUSIONE
33	76.0065.72.2	1	GUARNIZIONE CARTER	71	31.1482.32.2	1	CUFFIA DI PROTEZIONE (OPTIONAL)
34	86.1930.00.2	12	VITE TCEI M5x12 UNI5931	72	84.3696.00.2	2	ROSETTA D.8,4x18x2 (OPTIONAL)
35	84.3651.50.2	12	ROSETTA SCHNORR D.5,3	73	86.2475.00.2	2	VITE TCEI M8x14 UNI5931 (OPTIONAL)
36	76.0046.61.2	6	FORCELLA				
37	76.0010.09.2	6	BIELLA SINGOLA ALLUMINIO				
37	76.0014.11.2	6	BIELLA SINGOLA BRONZO (OPTIONAL)				

★ IN VITON REPLACE THE LAST 3 NUMBERS BY...50.2

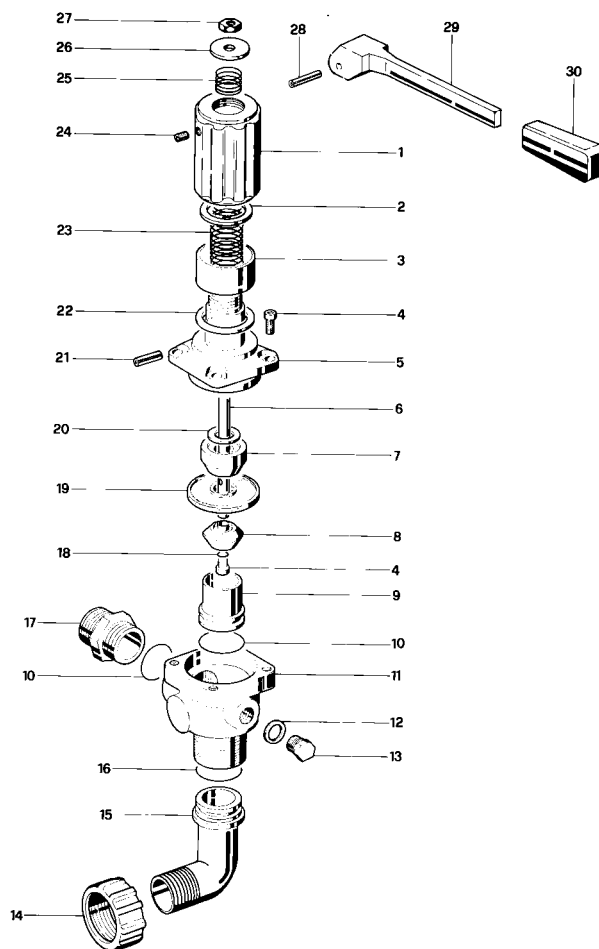
This diagram illustrates the exploded view of a mechanical assembly, with components numbered 1 through 27. The assembly includes a central body (1) with multiple ports, a pressure gauge (13) mounted on top, and two lever-operated valves (3) on the sides. The components are as follows:

- 1: Main central body
- 2: Bolt
- 3: Lever-operated valve (two units)
- 4: Small cylindrical pin
- 5: Lever arm
- 6: Lever arm
- 7: Small pin
- 8: Small pin
- 9: Nut
- 10: Elbow fitting
- 11: Nut
- 12: O-ring
- 13: Pressure gauge
- 14: O-ring
- 15: O-ring
- 16: O-ring
- 17: O-ring
- 18: O-ring
- 19: O-ring
- 20: O-ring
- 21: O-ring
- 22: Bolt
- 23: Bolt
- 24: Bolt
- 25: Bolt
- 26: Bolt
- 27: Bolt

[illegible]

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	26.0208.09.2	1	CALOTTA	16	26.0218.51.2	1	SEDE VALVOLA (VR. CERAMIX)
2	86.2350.00.2	4	VITE TE M6x45 UNI5737	17	86.1931.00.2	1	VITE TSPEI M5x12 UNI5933 INOX
3	84.5544.00.2	1÷2	RUBINETTO A SFERA G.3/8 DESTRO	17	86.1934.80.2	1	VITE TSPEI M5x16 UNI5933 INOX (VR. CERAMIX)
4	85.2585.00.2	2÷1	TAPPO G.3/8	18	26.0201.51.2	1	OTTURATORE
5	84.5544.10.2	1	RUBINETTO A SFERA G.3/8 SINISTRO	18	26.0201.18.2	1	OTTURATORE (VR.CERAMIX)
6	26.0180.09.2	1	CORPO VALVOLA	19	26.0189.36.2	1	MEMBRANA
7	86.2140.00.2	1	VITE STEI M6x20 UNI5927	20	80.3218.00.2	1	ANELLO OR 3,0x22
8	81.4542.00.2	1	DADO M6 UNI5588	21	26.0203.32.2	1	PISTONCINO PORTA MEMBRANA
9	82.0042.10.2	1	GALLETTO G.3/4	22	26.0202.32.2	1	PISTONCINO DI SPINTA
10	84.0521.00.2	1	RACCORDO CURVO D.20	23	26.0207.32.2	1	LEVA
11	80.3060.00.2	1	ANELLO OR 1,78x12,42	24	85.1161.00.2	1	SPINA D.4x45,5
12	26.0215.09.2	1	SCARICO VALVOLA	25	26.0212.48.2	1	MOLLA 50 bar
13	83.0080.00.2	1	MANOMETRO	25	26.0217.48.2	1	MOLLA 20 bar (OPTIONAL)
14	80.3090.00.2	1	ANELLO OR 2,0x16	26	26.0204.51.2	1	PIATTELLO MOLLA
15	80.3208.30.2	1	ANELLO OR 2,62x36,14	27	26.0205.32.2	1	POMOLO DI REGOLAZIONE
16	26.0213.51.2	1	SEDE VALVOLA				

VRP 300



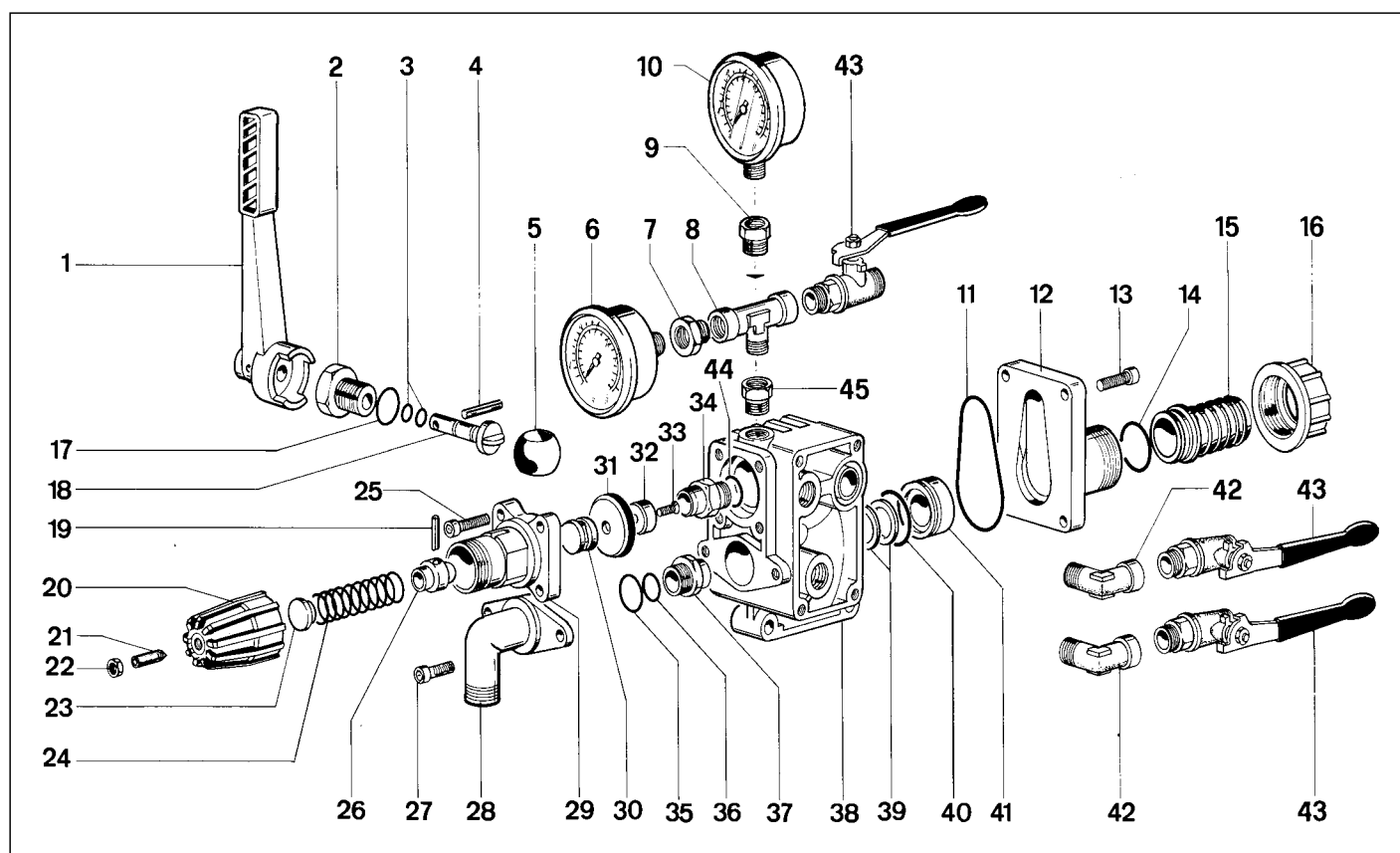
VALVOLA REGOLAZIONE PRESSIONE MOD. "VRP 300" - PRESSURE REGULATOR MOD. "VRP 300"

KIT	CODICE PART NUMBER	25.9919.97.3																				
	DESCRIZIONE DESCRIPTION	KIT VALVOLA VALVE KIT																				
POSIZIONE ESPLOSO POSITION NUMBER		10	12	16	18	19	8	9														
QUANTITÀ NEL KIT QUANTITIES INCLUDED		2	1	1	1	1	1	1														

NOMENCLATURA RICAMBI VALVOLA MOD. "VRP 300"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	25.0008.32.2	1	POMOLO DI REGOLAZIONE	15	84.0560.00.2	1	RACCORDO CURVO D.30
2	25.0013.32.2	1	DISCHETTO ANTIFRIZIONE	16	80.3219.00.2	1	ANELLO OR 3,0x25
3	25.0017.32.2	1	PROTEZIONE	17	83.5082.50.2	1	NIPPLO G.1"-G.1"
4	86.2167.00.2	5	VITE TCEI M6x20 UNI5931 INOX	18	80.3050.00.2	1	ANELLO OR 1,78x6,07
5	25.0092.09.2	1	CALOTTA	19	25.0016.31.2	1	MEMBRANA
6	25.0098.51.2	1	ASTA	20	84.3810.00.2	1	ROSETTA D.10,5x21x2
7	25.0093.54.2	1	PISTONCINO	21	85.1210.00.2	1	SPINA ELASTICA D.6x40
8	25.0099.51.2	1	OTTURATORE CONICO	22	84.4400.00.2	1	ROSETTA D.16x38x3
9	25.0094.51.2	1	SEDE	23	25.0025.49.2	1	MOLLA
10	80.3206.00.2	2	ANELLO OR 2,62x28,25	25	25.0023.49.2	1	MOLLA PER LEVA
11	25.0091.07.2	1	CORPO VALVOLA	26	84.3885.00.2	1	ROSETTA D.14x36x3
12	82.4081.00.2	1	GUARNIZIONE D.13,2x19x1,5	28	85.1209.70.2	1	SPINA ELASTICA D.6x28
13	85.2542.50.2	1	TAPPO G.1/4	29	25.0003.09.2	1	LEVA
14	82.0067.50.2	1	GALLETTO G.1"1/4	30	82.8404.60.2	1	MANOPOLA

DUPLO SPRAY



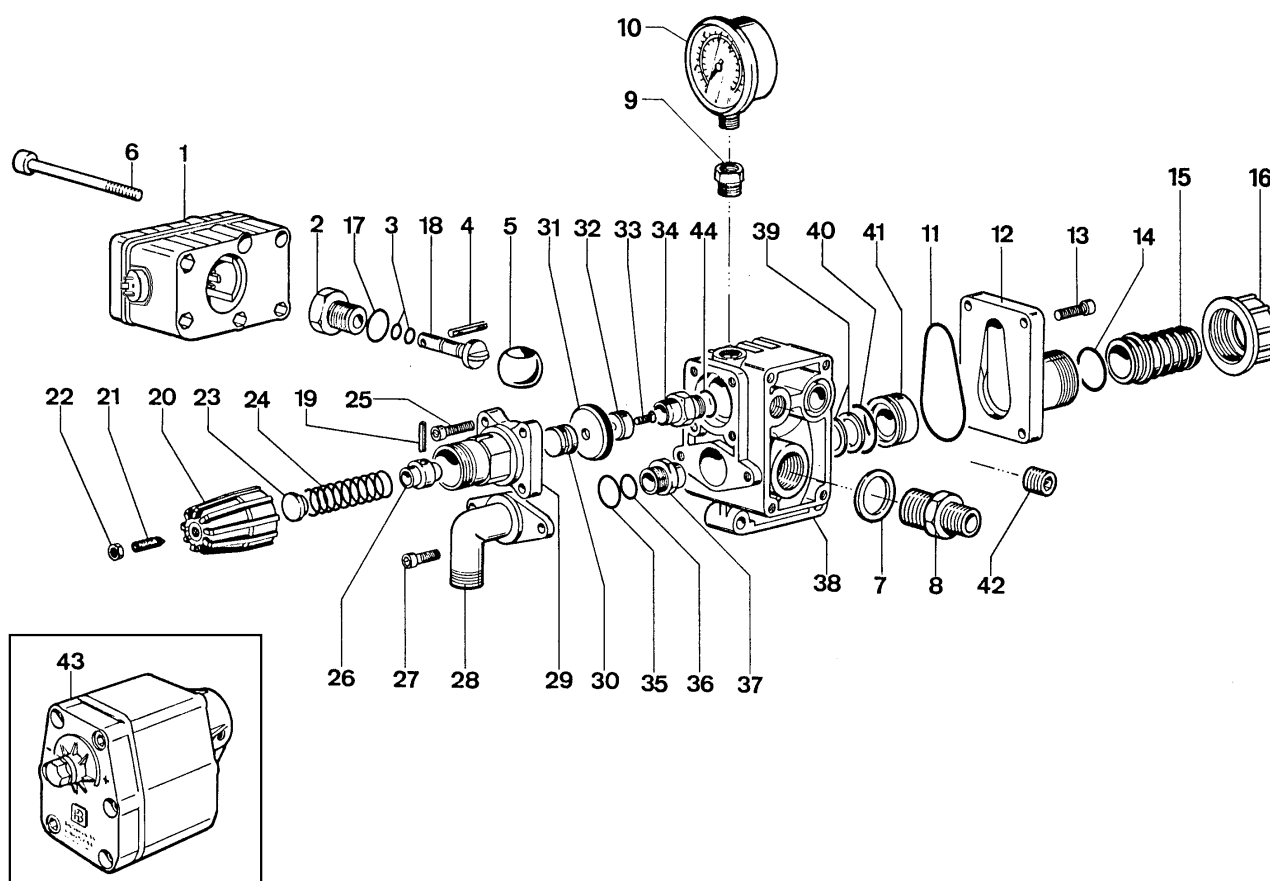
DISTRIBUTORE MOD. "DUPLO SPRAY" - MULTI-DIRECTIONAL-VALVE MOD. "DUPLO SPRAY"

KIT	CODICE PART NUMBER	24.9883.97.3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	DESCRIZIONE DESCRIPTION	KIT VALVOLA VALVE KIT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
POSIZIONE ESPLOSO POSITION NUMBER		3	11	14	17	31	35	36	39	40	44	32	34																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												

NOMENCLATURA RICAMBI DISTRIBUTORE MOD. "DUPLO SPRAY"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	25.0365.32.2	1	LEVA COMANDO	24	26.0212.48.2	1	MOLLA
2	25.0223.32.2	1	RACCORDO PER PERNO LEVA	25	86.2168.00.2	4	VITE TCEI M6x22 UNI5931
3	80.3052.50.2	2	ANELLO OR 1,78x6,75 VITON	26	26.0202.32.2	1	PISTONCINO DI SPINTA
4	85.1139.50.2	1	SPINA ELASTICA D.4x24	27	86.2168.00.2	2	VITE TCEI M6x22 UNI5931
5	24.0221.53.2	1	SFERA D.32,5	28	24.0203.09.2	1	RACCORDO INGRESSO CURVO G.3/4
6	83.0081.00.2	1	MANOMETRO (VR. 3 VIE)	29	24.0030.09.2	1	CALOTTA
7	83.5012.50.2	1	RIDUZIONE G.3/8 M - G.1/4 F (VR. 3 VIE)	30	26.0203.32.2	1	PISTONCINO PORTA MEMBRANA
8	83.5021.00.2	1	RACCORDO A T G.3/8 (VR. 3 VIE)	31	26.0189.36.2	1	MEMBRANA
9	83.5011.00.2	1	RIDUZIONE G.3/8 M - G.1/4 F (VR. 2 VIE)	32	26.0201.18.2	1	OTTURATORE PIANO IN CERAMICA
10	83.0080.00.2	1	MANOMETRO (VR. 2 VIE)	33	86.1934.80.2	1	VITE TSPEI M5x16 UNI5933 INOX
11	80.3210.40.2	1	ANELLO OR 2,62x64,77	34	24.0218.51.2	1	SEDE VALVOLA REGOLAZIONE
12	24.0202.09.2	1	FLANGIA DI SCARICO	35	80.3218.00.2	1	ANELLO OR 3,0x22
13	86.2216.00.2	4	VITE TCEI M6x25 UNI5931	36	80.3068.00.2	1	ANELLO OR 1,78x17,17
14	80.3219.00.2	1	ANELLO OR 3,0x25	37	24.0215.53.2	1	UGELLO RISUCCHIO D.9,5 (70-110 l/min)
15	84.1620.50.2	1	RACCORDO DIRITTO D.30	37	24.0216.53.2	1	UGELLO RISUCCHIO D.12 (110-150 l/min)
15	84.1608.40.2	1	RACCORDO DIRITTO D.25 (OPTIONAL)	38	24.0225.09.2	1	CORPO DISTRIBUTORE
15	84.0542.40.2	1	RACCORDO CURVO D.25 (OPTIONAL)	39	24.0223.32.2	2	GUARNIZIONE PER SFERA
15	84.0560.00.2	1	RACCORDO CURVO D.30 (OPTIONAL)	40	80.3208.00.2	1	ANELLO OR 2,62x31,42
16	82.0067.50.2	1	GALLETTO G.1"1/4	41	24.0219.53.2	1	RONDELLA PORTA GUARNIZIONE
17	80.3189.00.2	1	ANELLO OR 2,62x18,72	42	82.2044.50.2	2	GOMITO M/F G.3/8
18	24.0230.51.2	1	PERNO COMANDO SFERA	43	84.5544.00.2	2÷3	RUBINETTO A SFERA G.3/8
19	85.1158.20.2	1	SPINA ELASTICA D.4x36	44	80.3181.20.2	1	ANELLO OR 2,62x15,88
20	26.0205.32.2	1	POMOLO DI REGOLAZIONE	45	83.5016.00.2	1	PROLUNGA M-F G.3/8 (VR. 3 VIE)
21	86.2140.00.2	1	VITE STEI M6x20 UNI5927				
22	81.4542.00.2	1	DADO M6 UNI5588				
23	26.0204.51.2	1	PIATTELLO MOLLA				

MOTOR POWERED DUPLO SPRAY



DISTRIBUTORE MOD. DUPLO SPRAY MOTORIZZATO - MOTOR POWERED MULTI-DIRECTIONAL-VALVE MOD. DUPLO SPRAY

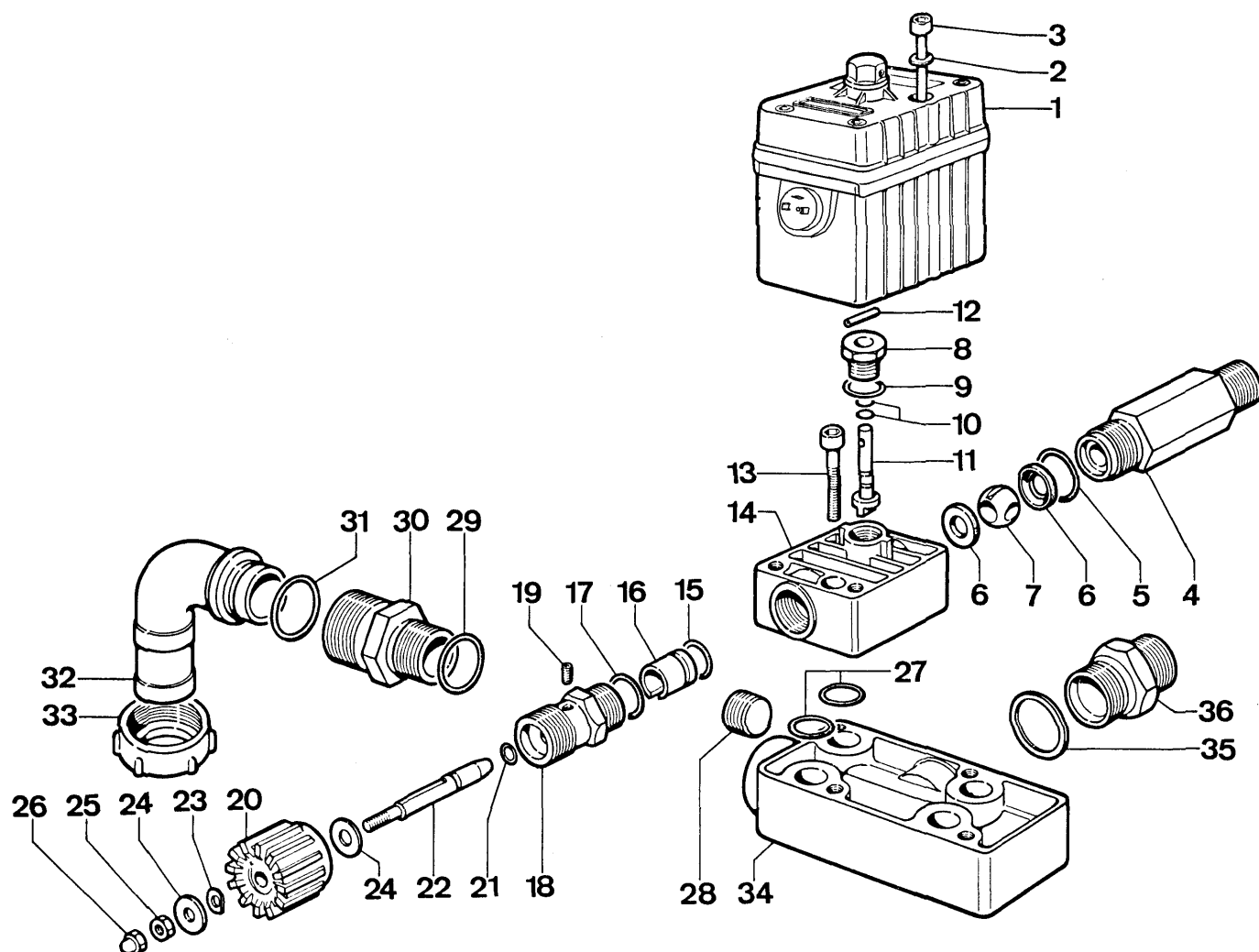
KIT	CODICE PART NUMBER	24.9883.97.3																							
	DESCRIZIONE DESCRIPTION	KIT VALVOLA VALVE KIT																							
POSIZIONE ESPLOSO POSITION NUMBER		3	11	14	17	31	35	36	39	40	44	32	34												
QUANTITÀ NEL KIT QUANTITIES INCLUDED		2	1	1	1	1	1	1	2	1	1	1	1												

NOMENCLATURA RICAMBI DISTRIBUTORE MOD. DUPLO SPRAY MOTORIZZATO

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	25.9968.97.3	1	KIT MOTORIDUTTORE VALVOLA ON/OFF ³	22	81.4542.00.2	1	DADO M6 UNI5588
2	25.0223.32.2	1	RACCORDO PER PERNO LEVA	23	26.0204.51.2	1	PIATTELLO MOLLA
3	80.3052.50.2	2	ANELLO OR 1,78x6,75 VITON	24	26.0212.48.2	1	MOLLA
4	85.1136.00.2	1	SPINA ELASTICA D.4x18	25	86.2168.00.2	4	VITE TCEI M6x22 UNI5931
5	24.0221.53.2	1	SFERA D.32,5	26	26.0202.32.2	1	PISTONCINO DI SPINTA
6	86.2440.00.2	3	VITE TCEI M6x100 UNI5931	27	86.2168.00.2	2	VITE TCEI M6x22 UNI5931
7	82.4180.00.2	1	GUARNIZIONE D.26,5x32x1	28	24.0203.09.2	1	RACCORDO INGRESSO CURVO G.3/4
8	83.5060.35.2	1	NIPPOLO G.3/4	29	24.0030.09.2	1	CALOTTA
9	83.5011.00.2	1	RIDUZIONE G.3/8 M - G.1/4 F	30	26.0203.32.2	1	PISTONCINO PORTA MEMBRANA
10	83.0080.00.2	1	MANOMETRO	31	26.0189.36.2	1	MEMBRANA
11	80.3210.40.2	1	ANELLO OR 2,62x64,77	32	26.0201.18.2	1	OTTURATORE PIANO IN CERAMICA
12	24.0202.09.2	1	FLANGIA DI SCARICO	33	86.1934.80.2	1	VITE TSPEI M5x16 UNI5933 INOX
13	86.2216.00.2	4	VITE TCEI M6x25 UNI5931	34	24.0218.51.2	1	SEDE VALVOLA REGOLAZIONE
14	80.3219.00.2	1	ANELLO OR 3,0x25	35	80.3218.00.2	1	ANELLO OR 3,0x22
15	84.1620.50.2	1	RACCORDO DIRITTO D.30	36	80.3068.00.2	1	ANELLO OR 1,78x17,17
15	84.1608.40.2	1	RACCORDO DIRITTO D.25 (OPTIONAL)	37	24.0215.53.2	1	UGELLO RISUCCHIO D.9,5 (70-110 l/min)
15	84.0542.40.2	1	RACCORDO CURVO D.25 (OPTIONAL)	37	24.0216.53.2	1	UGELLO RISUCCHIO D.12 (110-150 l/min)
15	84.0560.00.2	1	RACCORDO CURVO D.30 (OPTIONAL)	38	24.0240.09.2	1	CORPO DISTRIBUTORE
16	82.0067.50.2	1	GALLETTO G.1"1/4	39	24.0223.32.2	2	GUARNIZIONE PER SFERA
17	80.3189.00.2	1	ANELLO OR 2,62x18,72	40	80.3208.00.2	1	ANELLO OR 2,62x31,42
18	24.0541.51.2	1	PERNO COMANDO SFERA	41	24.0219.53.2	1	RONDELLA PORTA GUARNIZIONE
19	85.1158.20.2	1	SPINA ELASTICA D.4x36	42	85.2585.00.2	1	TAPPO CONICO G.3/8
20	26.0205.32.2	1	POMOLO DI REGOLAZIONE	43	25.9973.97.3	1	VALVOLA REGOLAZIONE MOTORIZZATA
21	86.2140.00.2	1	VITE STEI M6x20 UNI5927	44	80.3181.20.2	1	ANELLO OR 2,62x15,88

³ Da ordinare con perno pos.18 ed OR pos. 3
To order with pin pos. 18 and o-ring pos. 3

MOTOR POWERED H.P. SECTION VALVES ASSEMBLY

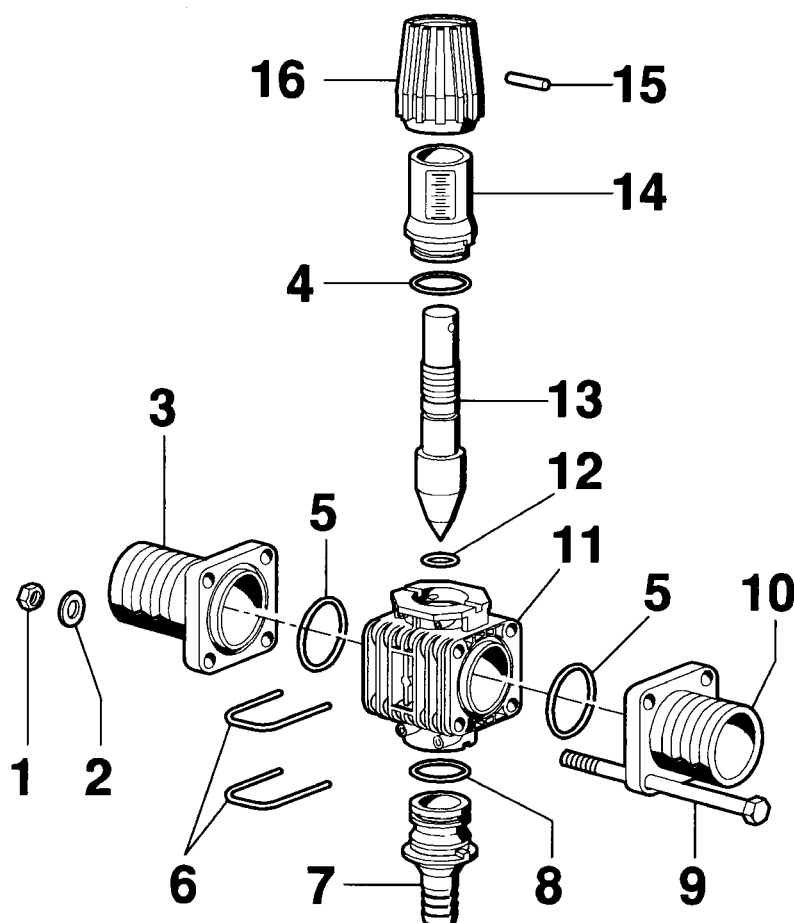


NOMENCLATURA RICAMBI SET RUBINETTI H.P. MOTORIZZATI

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	25.9969.97.3	2	KIT MOTORIDUTTORE VALVOLA DI SEZIONE ³	19	86.1926.00.2	2	VITE STEI M5x6 UNI5923 ESLOK
2	84.3585.00.2	2	ROSETTA D.6,4x12,5x1,6	20	24.0211.32.2	2	POMOLO DI REGOLAZIONE
3	86.2440.00.2	6	VITE TCEI M6x100 UNI5931	21	80.3049.50.2	2	ANELLO OR 1,78x5,28 VITON
4	24.0241.53.2	2	NIPPLO MANDATA G.1/2	22	24.0212.51.2	2	PERNO OTTURATORE
5	80.3195.00.2	2	ANELLO OR 2,62x20,24	23	84.3581.00.2	2	ROSETTA ONDULATA D.6,4
6	24.0222.32.2	4	GUARNIZIONE TEFLON PER SFERA	24	84.3560.00.2	4	ROSETTA D.5,5x15x1,6
7	24.0210.53.2	2	SFERA D.19,5	25	81.4525.00.2	2	DADO M5 UNI5588
8	24.0207.53.2	2	RACCORDO PERNO	26	81.4529.00.2	2	DADO CIECO M5 UNI5721
9	80.3174.50.2	2	ANELLO OR 2,62x9,92 VITON	27	80.3181.20.2	4	ANELLO OR 2,62x15,88
10	80.3049.50.2	4	ANELLO OR 1,78x5,28 VITON	28	85.2631.00.2	1	TAPPO CONICO G.1/2
11	24.0231.51.2	2	PERNO PER SFERA	29	80.3205.00.2	1	ANELLO OR 2,62x25,07
12	85.1136.00.2	2	SPINA ELASTICA D.4x18	30	83.5062.10.2	1	NIPPLO G.3/4-M34x2
13	86.2303.00.2	4	VITE TCEI M6x35 UNI5931	31	80.3200.00.2	1	ANELLO OR 2,62x22,22
14	24.0205.09.2	2	CORPO RUBINETTO	32	84.0542.00.2	1	RACCORDO CURVO D.25
15	80.3174.50.2	2	ANELLO OR 2,62x9,92 VITON	33	82.0049.00.2	1	GALLETTO M34x2
16	24.0220.51.2	2	SEDE	34	24.0242.07.2	1	COLLETTORE
17	80.3181.20.2	2	ANELLO OR 2,62x15,88	35	82.4180.00.2	1	GUARNIZIONE D.26,5x32x1 RAME
18	24.0224.53.2	2	NIPPLO RUBINETTO	36	83.5060.35.2	1	NIPPLO G.3/4

³ Da ordinare con perno pos. 11 ed OR pos. 10
To order with pin pos. 11 and o-ring pos. 10

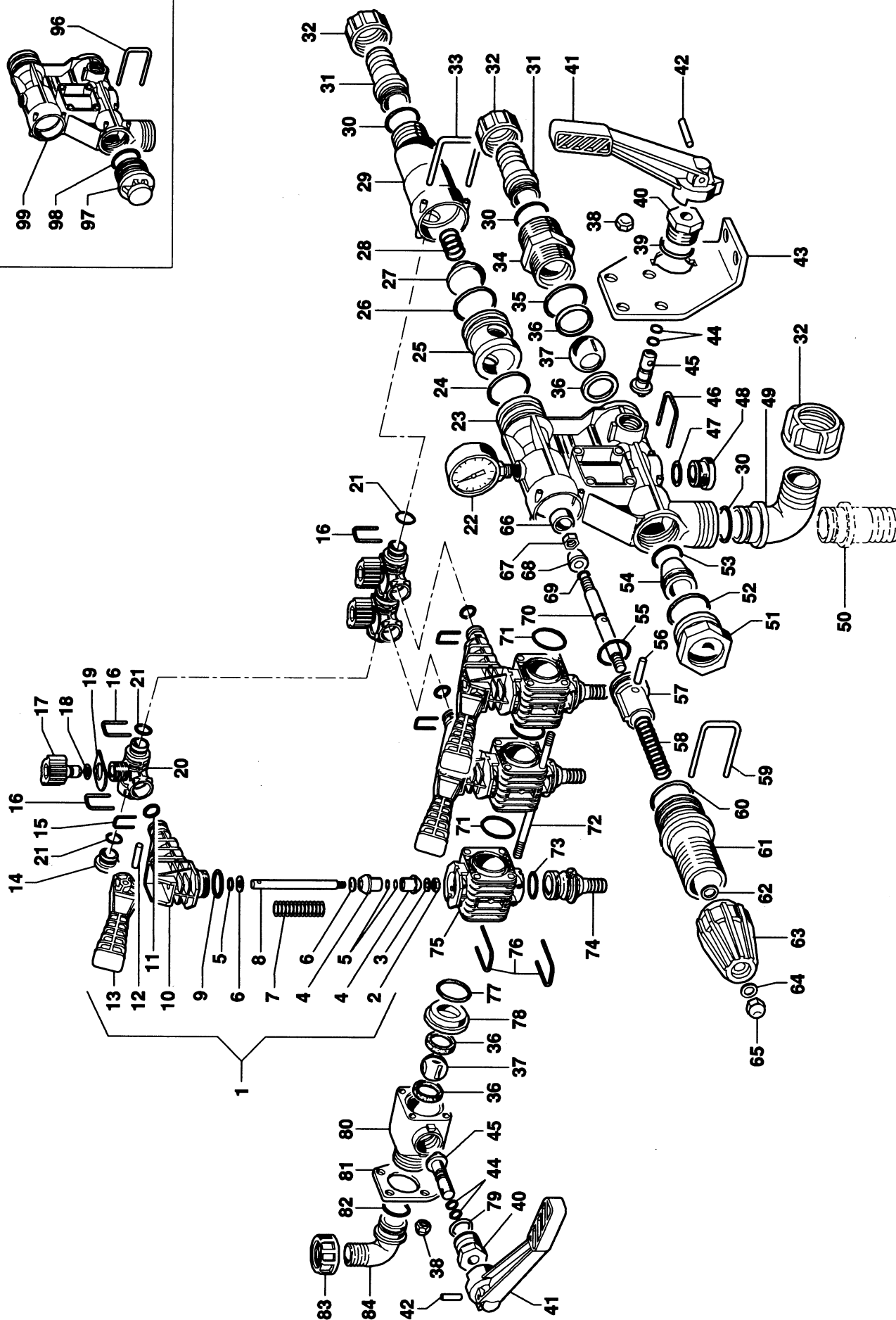
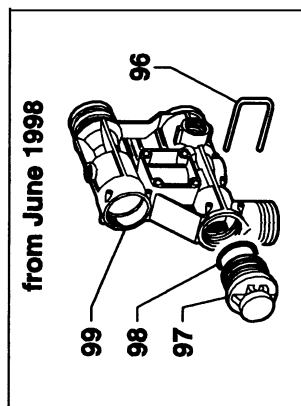
VOLUMETRIC VALVE BERTIMATIC



NOMENCLATURA RICAMBI VALVOLA VOLUMETRICA MOD. "BERTIMATIC"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	81.4575.00.2	4	DADO M8 UNI5588 (OPTIONAL)				
2	84.3685.00.2	4	ROSETTA D.8,2x15x1,5 (OPTIONAL)				
3	25.0244.32.2	1	FLANGIA G.1"1/4 CENTR.MASCHIO (OPTIONAL)				
4	80.3200.00.2	1	ANELLO OR 2,62x22,22				
5	80.3208.60.2	2	ANELLO OR 2,62x36,14 VITON				
6	25.0059.49.2	2	BAIONETTA				
7	25.0342.32.2	1	RACCORDO PORTAGOMMA D.20				
8	80.3200.00.2	1	ANELLO OR 2,62x22,22				
9	86.3051.00.2	4	VITE TE M8x90 UNI5737 (OPTIONAL)				
10	25.0243.32.2	1	FLANGIA G.1"1/4 CENTR.FEMMINA (OPTIONAL)				
11	25.0339.32.2	1	CORPO RUBINETTO				
12	80.3213.40.2	1	ANELLO OR 3,0x11 VITON				
13	25.0077.51.2	1	PERNO				
14	25.0074.32.2	1	CORPO SUPERIORE				
15	85.1050.00.2	1	SPINA ELASTICA D.3x30				
16	25.0076.32.2	1	POMOLO DI REGOLAZIONE				

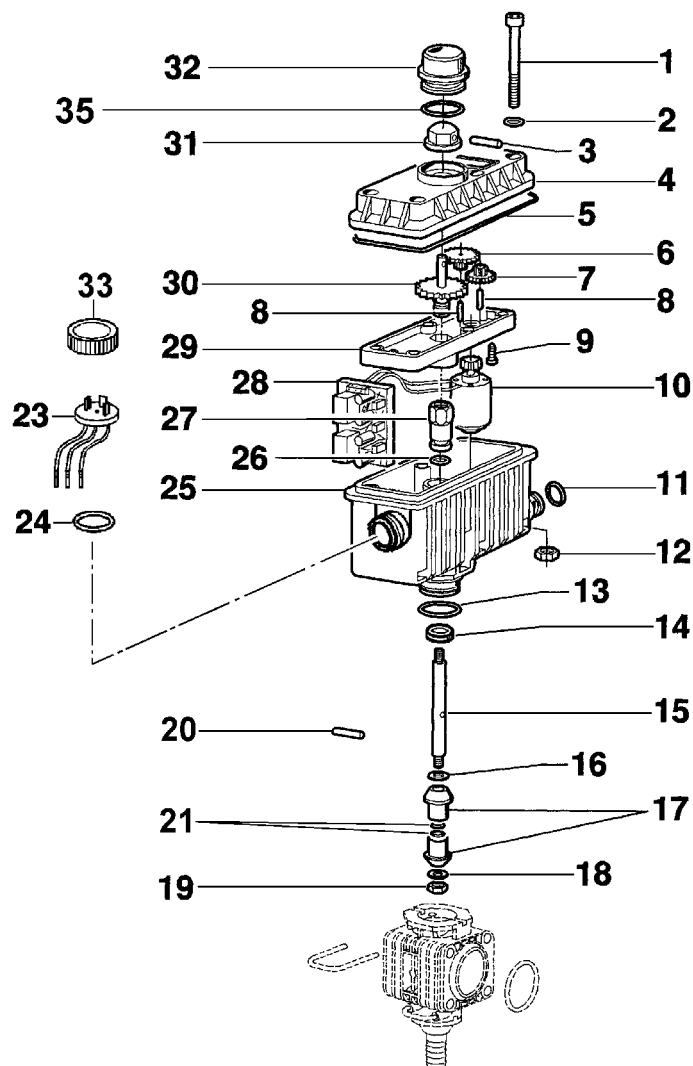
FILL NERGYDROP 2



NOMENCLATURA RICAMBI DISTRIBUTORE MOD. NERGYDROP 2

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	25.9814.97.3	3÷7	KIT RUBINETTO MANUALE "RD"	71	80.3208.30.2	4÷8	ANELLO OR 2,62x36,14
2	81.4513.50.2	3÷7	DADO M4 UNI5588 INOX	72	85.4515.00.2	4	TIRANTE M8x297 (3 RUBINETTI)
3	84.3525.00.2	3÷7	ROSETTA D.4,3x12x1 INOX	72	85.4526.00.2	4	TIRANTE M8x358 (4 RUBINETTI)
4	25.0352.32.2	6÷14	OTTURATORE RUBINETTO	72	85.4506.00.2	4	TIRANTE M8x419 (5 RUBINETTI)
5	80.3087.60.2	9÷21	ANELLO OR 2,0x7 VITON	72	85.4507.00.2	4	TIRANTE M8x479 (6 RUBINETTI)
6	84.3653.00.2	6÷14	ROSETTA D.8,4x14x1,6 INOX	73	80.3200.00.2	3÷7	ANELLO OR 2,62x22,22
7	25.0058.51.2	3÷7	MOLLA RUBINETTO	74	25.0321.32.2	3÷7	RACCORDO PORTAGOMMA D.10
8	25.0372.51.2	3÷7	ASTA RUBINETTO MANUALE "RD"	74	25.0340.32.2	3÷7	RACCORDO PORTAGOMMA D.13
9	80.3200.00.2	3÷7	ANELLO OR 2,62x22,22	74	25.0341.32.2	3÷7	RACCORDO PORTAGOMMA D.16
10	25.0370.32.2	3÷7	CORPO SUPERIORE RUBINETTO "RD"	74	25.0342.32.2	3÷7	RACCORDO PORTAGOMMA D.20
11	80.3177.00.2	3÷7	ANELLO OR 2,62x12,37 VITON	74	25.0367.32.2	3÷7	RACCORDO 3/4"NPT FEMMINA
12	85.1139.90.2	3÷7	SPINA D.4x25	75	25.0339.32.2	3÷7	CORPO RUBINETTO
13	25.0368.32.2	3÷7	LEVA RUBINETTO	76	25.0059.49.2	6÷14	BAIONETTA INT.25
14	25.0038.32.2	1	TAPPO	77	84.3685.00.2	4	ROSETTA D.8,4x15x1,5
15	25.0356.49.2	3÷7	BAIONETTA INT.16	78	81.4575.00.2	4	DADO M8 UNI5588
16	25.0059.49.2	4÷8	BAIONETTA INT.25	79	25.0225.61.2	1	PIEDINO SINISTRO
17	25.0061.32.2	3÷7	REGISTRO SCARICO	80	25.0051.32.2	1	COPERCHIO RUBINETTI
18	80.3170.00.2	3÷7	ANELLO OR 2,62x7,59	96	25.0217.49.2	1	BAIONETTA INT.40
19	25.0363.32.2	3÷7	TARGHETTA	97	25.0379.32.2	1	TAPPO UGELLO RISUCCHIO
20	25.0349.32.2	3÷7	SCARICO INTERMEDIO	98	80.3253.00.2	1	ANELLO OR 3,53x34,52
21	80.3200.00.2	4÷8	ANELLO OR 2,62x22,22	99	25.0400.32.2	1	CORPO NERGYDROP CON SEDE BAIONETTA
22	83.0025.00.2	1	MANOMETRO 0-16 D.63				
23	25.0201.32.2	1	CORPO NERGYDROP				
24	80.3263.50.2	1	ANELLO OR 3,53x42,86 VITON				
25	25.0208.32.2	1	SEDE VALVOLA DI RITEGNO				
26	80.3258.50.2	1	ANELLO OR 3,53x39,69 VITON				
27	25.0210.32.2	1	VALVOLA DI RITEGNO				
28	28.0056.51.2	1	MOLLA VALVOLA DI RITEGNO				
29	25.0364.32.2	1	RACCORDO DI SCARICO				
30	80.3219.10.2	3	ANELLO OR 3,0x30				
31	84.1621.00.2	2	RACCORDO DIRITTO D.30				
31	84.1630.00.2	2	RACCORDO DIRITTO D.40				
32	82.0070.00.2	3	GALLETTO G.1"1/2				
33	25.0216.49.2	1	BAIONETTA INT.48				
34	25.0206.32.2	1	NIPLO DI SCARICO				
35	80.3209.50.2	1	ANELLO OR 2,62x44,12 VITON				
36	82.4170.00.2	2	GUARNIZIONE TEFLON				
37	84.7513.00.2	1	SFERA D.39				
38	81.4576.00.2	8	DADO CIECO M8 UNI5721				
39	80.3189.50.2	1	ANELLO OR 2,62x18,72 VITON				
40	25.0223.32.2	1	RACCORDO PER PERNO				
41	25.0365.32.2	1	LEVA DI COMANDO				
42	85.1139.50.2	1	SPINA ELASTICA D.4x24				
43	25.0224.61.2	1	PIEDINO DESTRO				
44	80.3052.50.2	2	ANELLO OR 1,78x6,75 VITON				
45	24.0230.51.2	1	PERNO COMANDO SFERA				
46	25.0059.49.2	1	BAIONETTA INT.25				
47	80.3218.50.2	1	ANELLO OR 3,0x22 VITON				
48	25.0038.32.2	1	TAPPO				
49	84.0550.00.2	1	RACCORDO CURVO D.25				
49	84.0561.00.2	1	RACCORDO CURVO D.30				
50	84.1607.00.2	1	RACCORDO DIRITTO D.25				
50	84.1621.00.2	1	RACCORDO DIRITTO D.30				
51	85.2740.00.2	1	TAPPO G.1"1/4				
52	80.3209.00.2	1	ANELLO OR 2,62x39,34				
53	80.3207.00.2	1	ANELLO OR 2,62x29,82				
54	25.0211.32.2	1	UGELLO ROSSO (80-110 l/min)				
54	25.0212.32.2	1	UGELLO GIALLO (110-160 l/min)				
54	25.0213.32.2	1	UGELLO AZZURRO (160-210 l/min)				
54	25.0214.32.2	1	UGELLO NERO (210-300 l/min)				
55	80.3244.10.2	1	ANELLO OR 3,53x23,4 VITON				
56	85.1181.00.2	1	SPINA ELASTICA D.5x24				
57	25.0209.32.2	1	GUIDA VALVOLA VOLUMETRICA				
58	25.0215.49.2	1	MOLLA VALVOLA VOLUMETRICA				
59	25.0217.49.2	1	BAIONETTA INT.40				
60	80.3253.00.2	1	ANELLO OR 3,53x34,52				
61	25.0204.32.2	1	CORPO VALVOLA VOLUMETRICA				
62	84.3810.00.2	1	ROSETTA D.10,5x21x2				
63	25.0205.32.2	1	REGISTRO VALVOLA VOLUMETRICA				
64	84.3618.00.2	1	ROSETTA D.6,4x18x1,5				
65	81.4546.00.2	1	DADO CIECO M6 UNI5721				
66	25.0218.51.2	1	SEDE VALVOLA VOLUMETRICA				
67	81.4547.00.2	1	DADO M6 INOX				
68	25.0220.51.2	1	OTTURATORE VALVOLA VOLUMETRICA				
69	80.3052.50.2	1	ANELLO OR 1,78x6,75 VITON				
70	25.0219.51.2	1	ASTA VALVOLA VOLUMETRICA				

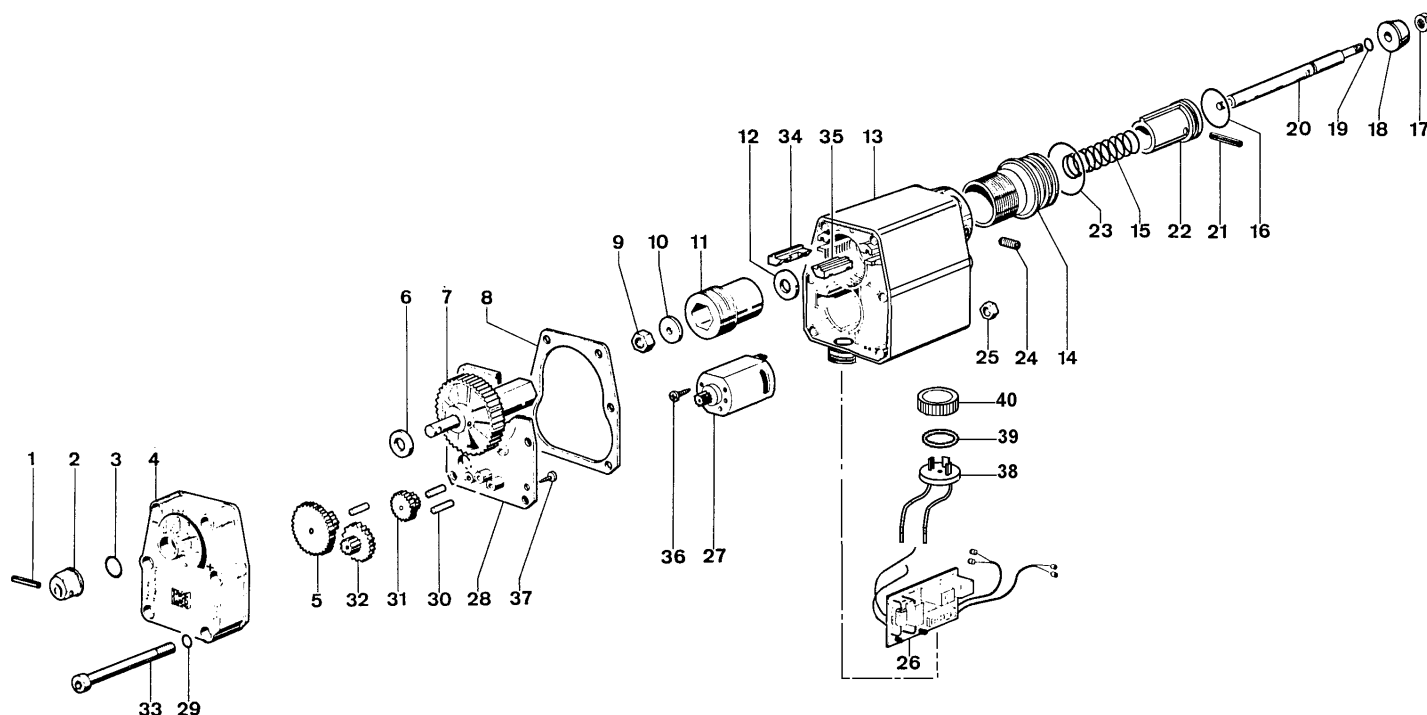
MOTOR POWERED SECTION VALVE KIT - DIN CONNECTOR



NOMENCLATURA RICAMBI KIT RUBINETTO MOTORIZZATO - CONNETTORE DIN

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	86.1946.60.2	6	VITE TCEI M5x65 UNI5931	32	25.0298.32.2	1	SPIA DI PROTEZIONE
2	80.3043.00.2	6	ANELLO OR 1,78x4,48	33	82.8020.05.2	1	GHIERA M27X1,5
3	85.1012.80.2	1	SPINA D.2x14	35	80.3218.00.2	1	ANELLO OR 3x22
4	25.0347.32.2	1	COPERCHIO RUBINETTO MOTORIZZATO				
5	80.3222.00.2	1	ANELLO OR 3,0x70				
6	25.9903.97.3	1	ASSIEME INGRANAGGI Z=12+Z=48				
7	25.9902.97.3	1	ASSIEME INGRANAGGI Z=20+Z=36				
8	85.1015.00.2	2	RULLINO D.2,5x17,8				
9	86.1805.00.2	2	VITE AUTOF. 2,9x16 UNI6954				
10	25.9946.97.3	1	MOTORINO + PIGNONE Z=12				
11	80.3177.00.2	1	ANELLO OR 2,62x12,37 VITON				
12	81.4525.00.2	6	DADO M5 UNI5588				
13	80.3200.50.2	1	ANELLO OR 2,62x22,22 VITON				
14	25.0406.00.2	1	ANELLO TENUTA ASTA				
15	25.0353.51.2	1	ASTA RUBINETTO MOTORIZZATO				
16	84.3643.00.2	1	ROSETTA D.8,2x12x1 INOX				
17	25.0352.32.2	2	OTTURATORE RUBINETTO				
18	84.3525.00.2	1	ROSETTA D.4,3x12x1 INOX				
19	81.4513.50.2	1	DADO M4 UNI5588 INOX				
20	85.1021.00.2	1	SPINA ELASTICA D.3x12 INOX				
21	80.3087.60.2	2	ANELLO OR 2,0x7 VITON				
23	82.8020.20.2	1	BASSETTA CABLATA				
24	80.3072.00.2	1	ANELLO OR 1,78x20,35				
25	25.0418.32.2	1	CORPO RUBINETTO MOTORIZZATO				
26	80.3213.20.2	1	ANELLO OR 3,0x8				
27	25.0354.48.2	1	GUIDA PER ASTA RUBINETTO				
28	82.5125.00.2	1	MICROCIRCUITO ELETTRONICO				
29	25.0348.32.2	1	FLANGIA INTERMEDIA				
30	25.9948.97.3	1	PERNO + INGRANAGGIO Z=68				
31	25.0247.32.2	1	DADO DI SBLOCCAGGIO				

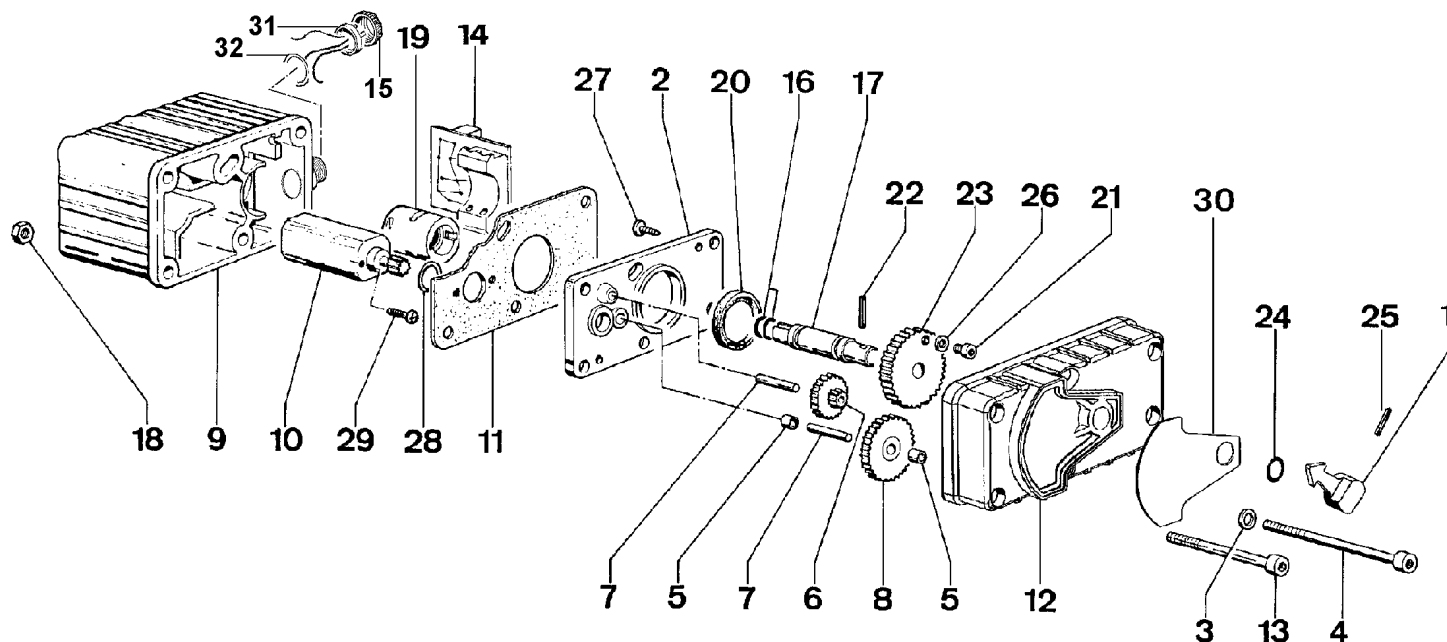
MOTOR POWERED VOLUMETRIC VALVE KIT - DIN CONNECTOR



NOMENCLATURA RICAMBI KIT VALVOLA VOLUMETRICA MOTORIZZATA - CONNETTORE DIN

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	85.1136.00.2	1	SPINA ELASTICA D.4x18	31	25.9902.97.3	1	ASSIEME INGRANAGGI Z=20+Z=36
2	25.0296.32.2	1	DADO DI SBLOCCAGGIO	32	25.9906.97.3	1	ASSIEME INGRANAGGI Z=11+Z=70
3	80.3171.00.2	1	ANELLO OR 2,62x9,13	33	86.2440.00.2	6	VITE TCEI M6x100 UNI5931
4	25.0398.32.2	1	SCATOLA RIDUTTORE	34	25.0300.32.2	1	SUPPORTO LED FINECORSO DESTRO
5	25.9905.97.3	1	ASSIEME INGRANAGGI Z=12+Z=80	35	25.0301.32.2	1	SUPPORTO LED FINECORSO SINISTRO
6	84.3810.00.2	1	ROSETTA D.10,5x21x2	36	86.1820.05.2	2	VITE TCTC M3x10 UNI7687
7	25.9889.97.3	1	PERNO + INGRANAGGIO Z=60	37	86.1803.00.2	2	VITE TSPTC AUF 2,9x13 UNI6955
8	25.0297.72.2	1	GUARNIZIONE	38	82.8020.10.2	1	BASETTA CABLATA
9	81.4545.00.2	1	DADO M6 UNI5587	39	80.3072.00.2	1	ANELLO OR 1.78X20.35
10	84.3618.00.2	1	ROSETTA D.6,4x18x1,5	40	82.8020.05.2	1	GHIERA M27X1.5
11	25.0385.32.2	1	VITE DI MANOVRA				
12	84.3810.00.2	1	ROSETTA D.10,5x21x2				
13	25.0421.32.2	1	SCATOLA MOTORE M38x1.5				
14	25.0204.32.2	1	CORPO VALVOLA				
15	25.0272.49.2	1	MOLLA				
16	80.3244.10.2	1	ANELLO OR 3,53x23,4 VITON				
17	81.4547.00.2	1	DADO M6 UNI5587 INOX				
18	25.0220.51.2	1	OTTURATORE VALVOLA				
19	80.3052.50.2	1	ANELLO OR 1,78x6,75 VITON				
20	25.0219.51.2	1	ASTA VALVOLA VOLUMETRICA				
21	85.1181.00.2	1	SPINA ELASTICA D.5x24				
22	25.0209.32.2	1	GUIDA PER VALVOLA				
23	80.3253.00.2	1	ANELLO OR 3,53x34,52				
24	86.1950.00.2	1	VITE M6x8 UNI5923				
25	81.4545.00.2	6	DADO M6 UNI5587				
26	82.5138.00.2	1	KIT MICROCIRCUITO A LED				
27	25.9954.97.3	1	MOTORE + PIGNONE Z=18				
28	25.0399.32.2	1	BASE DI SEPARAZIONE				
29	80.3050.00.2	6	ANELLO OR 1,78x6,07				
30	85.1018.00.2	3	RULLINO D.2,5x23,8				

MOTOR POWERED ON/OFF VALVE VS - VG - DIN CONNECTOR

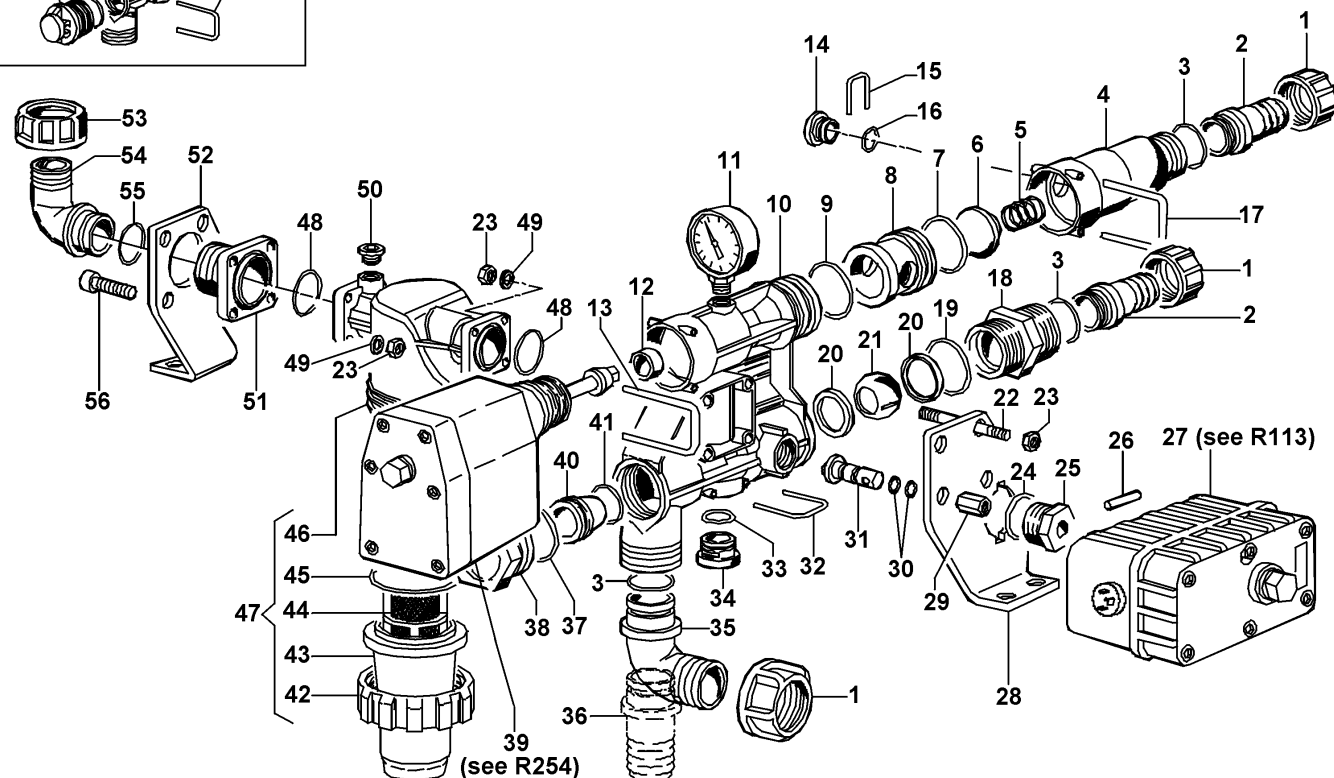
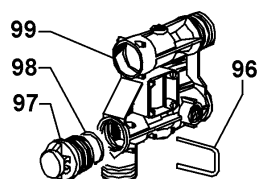


NOMENCLATURA RICAMBI MOTORIDUTTORE VALVOLA VS - VG - CONNETTORE DIN

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	24.0546.32.2	1	INDICATORE "FLOW" (versione VS)	30	24.0539.00.2	1	TARGHETTA -SV- (versione VS)
1	24.0540.32.2	1	INDICATORE "PRESS" (versione VG)	30	24.0543.00.2	1	TARGHETTA -MV- (versione VG)
2	25.0395.32.2	1	BASE DI SEPARAZIONE	31	82.8020.20.2	1	BASETTA
3	84.3585.10.2	1	ROSETTA D.6,4x12,5x1,6	32	80.3072.20.2	1	ANELLO OR 1.78X20.35
4	86.2440.00.2	2	VITE TCEI M6x100 UNI5931				
5	25.0319.53.2	2	BOCCOLA PER SPINA D.2,5				
6	25.9906.97.3	1	ASSIEME INGRANAGGI Z=11+Z=70				
7	85.1018.00.2	2	RULLINO D.2,5x23,8				
8	25.9905.97.3	1	ASSIEME INGRANAGGI Z=12+Z=80				
9	25.0419.32.2	1	SCATOLA				
10	25.9954.97.3	1	MOTORE + PIGNONE Z=18				
11	25.0425.72.2	1	GUARNIZIONE				
12	25.0424.32.2	1	COPERCHIO				
13	86.2435.00.2	4	VITE TCEI M6x80 UNI5931				
14	82.5137.00.2	1	KIT MICROCIRCUITO A LED				
15	82.8020.05.2	1	GHIERA M27X1,5				
16	80.3171.00.2	2	ANELLO OR 2,62x9,13				
17	24.0542.48.2	1	PERNO CENTRALE MOTORIDUTTORE				
18	81.4545.00.2	4	DADO M6 UNI5587				
19	25.0318.32.2	1	CAMMA POSIZIONATRICE				
20	80.2117.00.2	1	ANELLO RADIALE				
21	86.1955.00.2	1	VITE TCEI M6x10 UNI5931				
22	85.1139.50.2	1	SPINA ELASTICA D.4x24				
23	25.0336.41.2	1	INGRANAGGIO Z=48				
24	80.3213.30.2	1	ANELLO OR 3,0x9				
25	85.1136.00.2	1	SPINA ELASTICA D.4x18				
26	84.3583.00.2	3	ROSETTA D.6				
27	86.1803.00.2	2	VITE TSPTC AUF 2,9x13 UNI6955				
28	80.3176.00.2	1	ANELLO OR 2,62x11,91				
29	86.1820.05.2	2	VITE TCTC M3x10 UNI7687				

MOTOR POWERED PRESSURE REGULATING UNIT

From June 1998

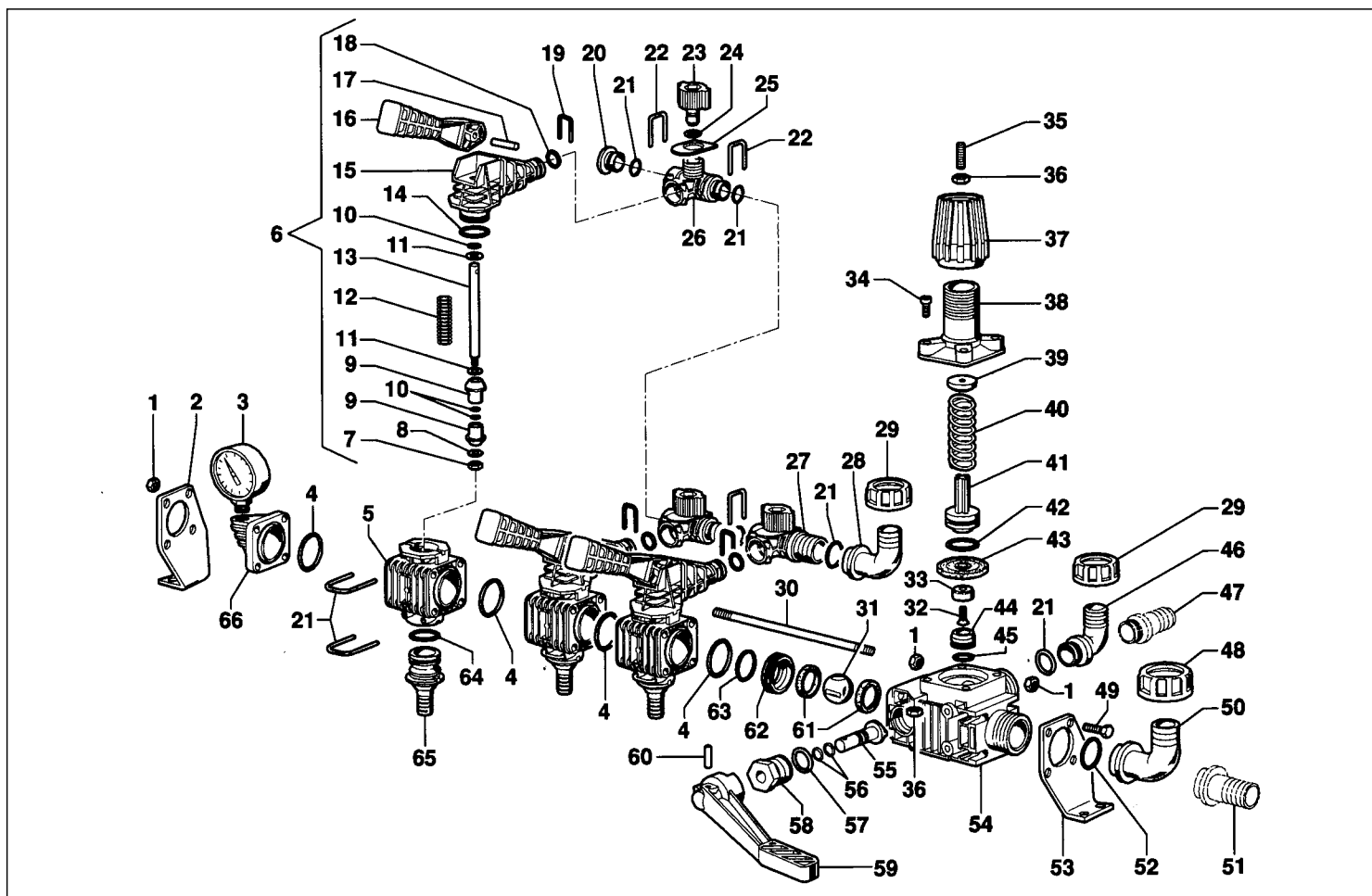


NOMENCLATURA RICAMBI GRUPPO REGOLAZIONE PRESSIONE MOTORIZZATO

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	82.0070.00.2	3	GALLETTO G.1"1/2	35	84.0561.00.2	1	RACCORDO CURVO D.30
2	84.1621.00.2	2	RACCORDO DIRITTO D.30	36	84.1607.00.2	1	RACCORDO DIRITTO D.25
2	84.1630.00.2	2	RACCORDO DIRITTO D.40	36	84.1621.00.2	1	RACCORDO DIRITTO D.30
3	80.3219.10.2	3	ANELLO OR 3,0x30	37	80.3209.00.2	1	ANELLO OR 2,62x39,34
4	25.0364.32.2	1	RACCORDO DI SCARICO	38	85.2740.00.2	1	TAPPO G.1"1/4
5	28.0056.51.2	1	MOLLA VALVOLA DI RITEGNO	39	25.9971.97.3	1	KIT VALVOLA VOLUMETRICA MOTORIZZATA
6	25.0210.32.2	1	VALVOLA DI RITEGNO	40	25.0211.32.2	1	UGELLO ROSSO (80-110 l/min)
7	80.3258.50.2	1	ANELLO OR 3,53x39,69 VITON	40	25.0212.32.2	1	UGELLO GIALLO (110-160 l/min)
8	25.0208.32.2	1	SEDE VALVOLA DI RITEGNO	40	25.0213.32.2	1	UGELLO AZZURRO (160-210 l/min)
9	80.3263.50.2	1	ANELLO OR 3,53x42,86 VITON	40	25.0214.32.2	1	UGELLO NERO (210-300 l/min)
10	25.0201.32.2	1	CORPO NERGYDROP	41	80.3207.00.2	1	ANELLO OR 2,62x29,82
11	83.0025.00.2	1	MANOMETRO 0-16 D.63	42	25.0389.32.2	1	GHIERA FILTRO
12	25.0218.51.2	1	SEDE VALVOLA VOLUMETRICA	43	25.0390.32.2	1	COPERCHIO FILTRO
13	25.0217.49.2	1	BAIONETTA INT.40	44	25.0289.32.2	1	CARTUCCIA 80 MESH GRIGIA
14	25.0038.32.2	1	TAPPO	44	25.0282.32.2	1	CARTUCCIA 100 MESH ROSSA
15	25.0059.49.2	1	BAIONETTA INT.25	45	80.3345.00.2	1	ANELLO OR 5,34x74,63
16	80.3200.50.2	1	ANELLO OR 2,62x22,22 VITON	46	25.0388.32.2	1	CORPO SUPERIORE FILTRO
17	25.0216.49.2	1	BAIONETTA INT.48	47	81.9021.50.2	1	FILTRO 80 MESH (CART. GRIGIA)
18	25.0206.32.2	1	NIPPOLO DI SCARICO	47	81.9022.00.2	1	FILTRO 100 MESH (CART. ROSSA)
19	80.3209.50.2	1	ANELLO OR 2,62x44,12 VITON	48	80.3208.60.2	2	ANELLO OR 2,62x36,14 VITON
20	82.4170.00.2	2	GUARNIZIONE TEFLON	49	84.3685.00.2	8	ROSETTA D.8,4x15x1,5
21	84.7513.00.2	1	SFERA D.39	50	85.2539.10.2	1	TAPPO G.1/4
22	83.8275.00.2	4	PRIGIONIERO M8x75	51	25.0244.32.2	1	FLANGIA G.1"1/4
23	81.4575.00.2	10	DADO M8 UNI5588	52	25.0226.61.2	1	PIEDINO SINISTRO FORATO
24	80.3189.50.2	1	ANELLO OR 2,62x18,72 VITON	53	82.0067.50.2	1	GALLETTO G.1"1/4
25	25.0223.32.2	1	RACCORDO PER PERNO	54	84.0542.40.2	1	RACCORDO CURVO D.25
26	85.1136.50.2	1	SPINA ELASTICA D.4x18 INOX	54	84.0560.00.2	1	RACCORDO CURVO D.30
27	25.9968.97.3	1	KIT MOTORIDUTTORE VALVOLA ON/OFF	55	80.3219.00.2	1	ANELLO OR 3,0x25
28	25.0224.61.2	1	PIEDINO DESTRO	56	86.2730.00.2	4	VITE TCEI M8x30 UNI5931
29	25.0335.48.2	2	DADO SPECIALE M6-M8	96	25.0217.49.2	1	BAIONETTA INT.40
30	80.3052.50.2	2	ANELLO OR 1,78x6,75 VITON	97	25.0379.32.2	1	TAPPO UGELLO RISUCCHIO
31	24.0230.51.2	1	PERNO COMANDO SFERA	98	80.3253.00.2	1	ANELLO OR 3,53x34,52
32	25.0059.49.2	1	BAIONETTA INT.25	99	25.0400.32.2	1	CORPO NERGYDROP CON SEDE BAIONETTA
33	80.3218.50.2	1	ANELLO OR 3,0x22 VITON				
34	25.0038.32.2	1	TAPPO				
35	84.0550.00.2	1	RACCORDO CURVO D.25				

³ Da ordinare con perno pos. 31 e OR pos. 30
To order with pin pos. 31 and O-Ring pos. 30

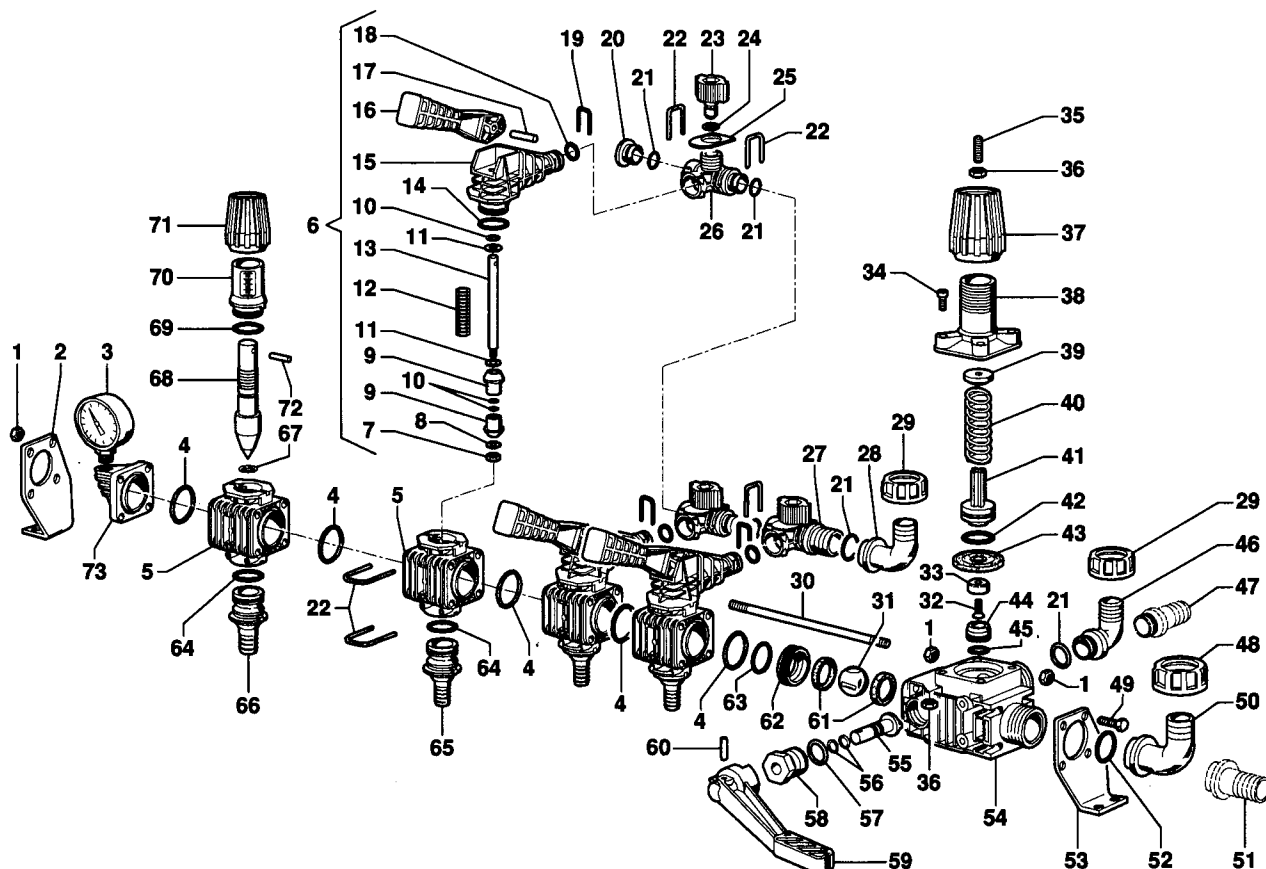
MULTICONTROL "RD"



NOMENCLATURA RICAMBI DISTRIBUTORE MOD. MULTICONTROL "RD"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	81.4575.00.2	12	DADO M8 UNI5588	35	86.2235.00.2	1	VITE STEI M6x35 UNI5927
2	25.0226.61.2	1	PIEDINO SINISTRO	36	81.4542.00.2	5	DADO M6 UNI5588
3	83.0010.00.2	1	MANOMETRO 0-24 D.63	37	26.0219.32.2	1	POMOLO DI REGOLAZIONE
3	83.0088.00.2	1	MANOMETRO 0-24 D.100 (OPTIONAL)	38	25.0152.32.2	1	CALOTTA VALVOLA
4	80.3208.30.2	3÷8	ANELLO OR 2,62x36,14	39	26.0204.51.2	1	PIATTELLO MOLLA
5	25.0339.32.2	2÷7	CORPO RUBINETTO	40	26.0212.48.2	1	MOLLA
6	25.9816.97.3	2÷7	KIT RUBINETTO MANUALE "RD"	41	25.0153.32.2	1	PISTONCINO VALVOLA
7	81.4513.50.2	2÷7	DADO M4 UNI5588 INOX	42	80.3247.30.2	1	ANELLO OR 3,53x26,57
8	84.3525.00.2	2÷7	ROSETTA D.4,3x12x1 INOX	43	25.0016.31.2	1	MEMBRANA
9	25.0352.32.2	4÷14	OTTURATORE RUBINETTO	44	25.0155.51.2	1	SEDE VALVOLA REGOLAZIONE
10	80.3087.60.2	6÷21	ANELLO OR 2,0x7 VITON	45	80.3195.00.2	1	ANELLO OR 2,62x20,24
11	84.3653.00.2	4÷14	ROSETTA D.8,4x14x1,6 INOX	46	84.0520.00.2	1	RACCORDO CURVO D.19
12	25.0058.51.2	2÷7	MOLLA RUBINETTO	46	84.0542.00.2	1	RACCORDO CURVO D.25
13	25.0372.51.2	2÷7	ASTA RUBINETTO MANUALE "RD"	47	84.1595.00.2	1	RACCORDO DIRITTO D.19
14	80.3200.00.2	2÷7	ANELLO OR 2,62x22,22	47	84.1608.00.2	1	RACCORDO DIRITTO D.25
15	25.0370.32.2	2÷7	CORPO SUPERIORE RUBINETTO "RD"	48	82.0067.50.2	1	GALLETTO G.1"1/4
16	25.0373.32.2	2÷7	LEVA RUBINETTO	49	86.2555.00.2	4	VITE TE M8x20 UNI5739
17	85.1139.90.2	2÷7	SPINA D.4x25	50	84.0542.40.2	1	RACCORDO CURVO D.25
18	80.3177.00.2	2÷7	ANELLO OR 2,62x12,37 VITON	50	84.0560.00.2	1	RACCORDO CURVO D.30
19	25.0356.49.2	2÷7	BAIONETTA INT.16	51	84.1608.40.2	1	RACCORDO DIRITTO D.25
20	25.0038.32.2	1	TAPPO	51	84.1620.50.2	1	RACCORDO DIRITTO D.30
21	80.3200.00.2	4÷9	ANELLO OR 2,62x22,22	52	80.3219.00.2	1	ANELLO OR 3,0x25
22	25.0059.49.2	6÷21	BAIONETTA INT.25	53	25.0323.61.2	1	PIEDINO DESTRO
23	25.0161.32.2	2÷7	REGISTRO SCARICO	54	25.0151.32.2	1	CORPO MULTICONTROL
24	80.3170.00.2	2÷7	ANELLO OR 2,62x7,59	55	24.0230.51.2	1	PERNO COMANDO SFERA
25	25.0363.32.2	2÷7	TARGHETTA	56	80.3052.50.2	2	ANELLO OR 1,78x6,75 VITON
26	25.0349.32.2	1÷6	SCARICO INTERMEDIO	57	80.3189.00.2	1	ANELLO OR 2,62x18,72
27	25.0350.32.2	1	SCARICO CON RACCORDO G.1"	58	25.0223.32.2	1	RACCORDO PER PERNO
28	84.0542.00.2	1	RACCORDO CURVO D.25	59	25.0160.32.2	1	LEVA DISTRIBUTORE
29	82.0045.00.2	2	GALLETTO G.1"	60	85.1139.50.2	1	SPINA ELASTICA D.4x24
30	85.4512.00.2	4	TIRANTE M8x162 (2 RUBINETTI)	61	24.0223.32.2	2	GUARNIZIONE TEFLON
30	85.4527.00.2	4	TIRANTE M8x218 (3 RUBINETTI)	62	25.0154.32.2	1	ANELLO PORTA GUARNIZIONE
30	85.4528.00.2	4	TIRANTE M8x278 (4 RUBINETTI)	63	80.3208.10.2	1	ANELLO OR 2,62x32,99
30	85.4529.00.2	4	TIRANTE M8x338 (5 RUBINETTI)	64	80.3200.00.2	2÷7	ANELLO OR 2,62x22,22
30	85.4530.00.2	4	TIRANTE M8x398 (6 RUBINETTI)	65	25.0321.32.2	2÷7	RACCORDO PORTAGOMMA D.10
30	85.4531.00.2	4	TIRANTE M8x458 (7 RUBINETTI)	65	25.0340.32.2	2÷7	RACCORDO PORTAGOMMA D.13
31	25.0156.53.2	1	SFERA D.32,5	65	25.0341.32.2	2÷7	RACCORDO PORTAGOMMA D.16
32	86.1934.80.2	1	VITE TSPEI M5x16 UNI5933 INOX	65	25.0342.32.2	2÷7	RACCORDO PORTAGOMMA D.20
33	26.0201.18.2	1	OTTURATORE IN CERAMICA	65	25.0367.32.2	2÷7	RACCORDO 3/4"NPT FEMMINA
34	86.2261.00.2	4	VITE TCEI M6x30 UNI5931	66	25.0312.32.2	1	COPERCHIO PORTA-MANOMETRO

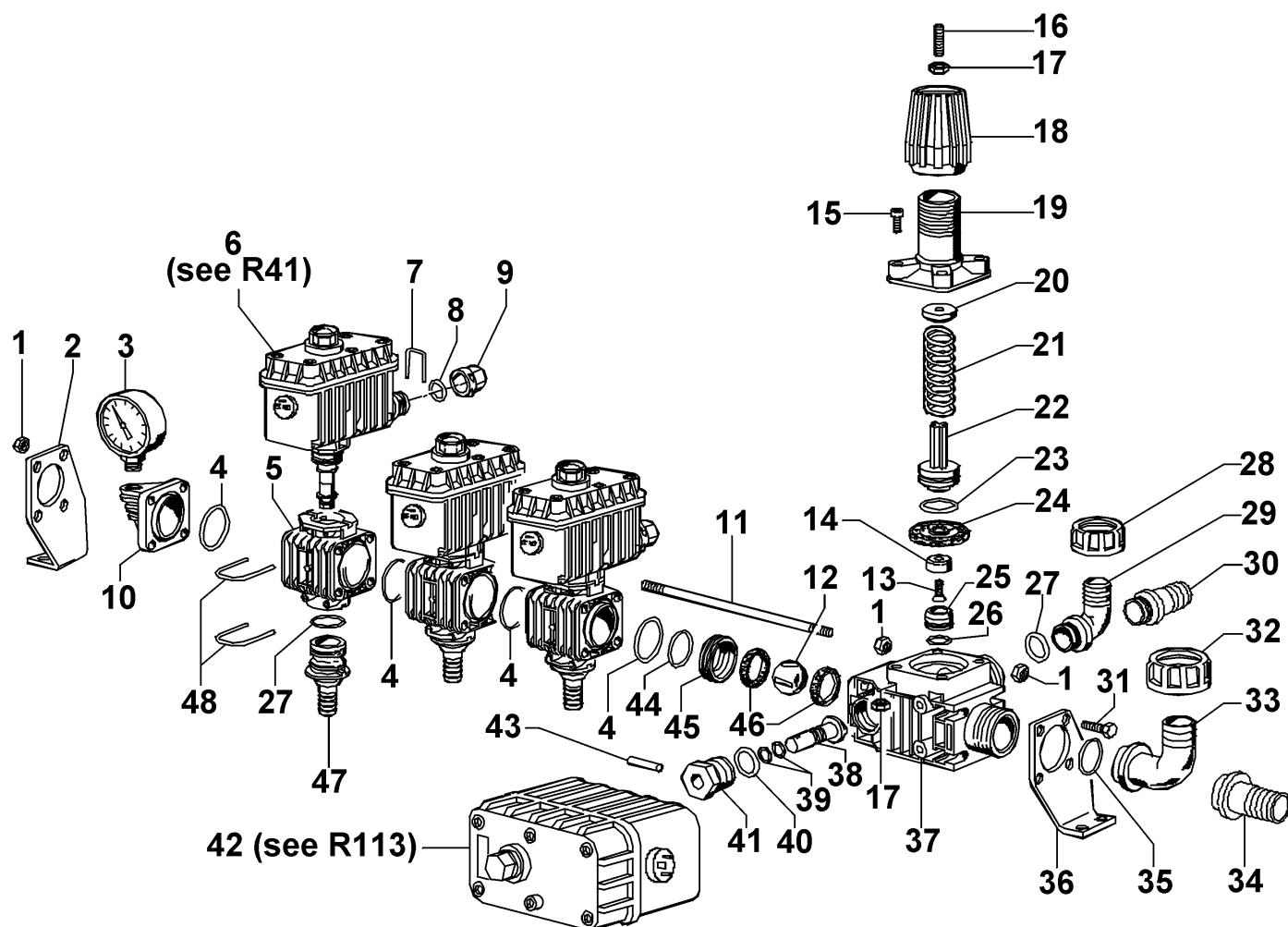
MULTICONTROL "RD" + BERTIMATIC



NOMENCLATURA RICAMBI DISTRIBUTORE MOD. MULTICONTROL "RD" CON "BERTIMATIC"

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	81.4575.00.2	12	DADO M8 UNI5588	40	26.0212.48.2	1	MOLLA
2	25.0226.61.2	1	PIEDINO SINISTRO	41	25.0153.32.2	1	PISTONCINO VALVOLA
3	83.0010.00.2	1	MANOMETRO 0-24 D.63	42	80.3247.30.2	1	ANELLO OR 3,5x26,57
3	83.0088.00.2	1	MANOMETRO 0-24 D.100 (OPTIONAL)	43	25.0016.31.2	1	MEMBRANA
4	80.3208.30.2	5÷7	ANELLO OR 2,62x36,14	44	25.0155.51.2	1	SEDE VALVOLA REGOLAZIONE
5	25.0339.32.2	4÷6	CORPO RUBINETTO	45	80.3195.00.2	1	ANELLO OR 2,62x20,24
6	25.9816.97.3	3÷5	KIT RUBINETTO MANUALE "RD"	46	84.0520.00.2	1	RACCORDO CURVO D.19
7	81.4513.50.2	3÷5	DADO M4 UNI5588 INOX	46	84.0542.00.2	1	RACCORDO CURVO D.25
8	84.3525.00.2	3÷5	ROSETTA D.4,3x12x1 INOX	47	84.1595.00.2	1	RACCORDO DIRITTO D.19
9	25.0352.32.2	6÷10	OTTURATORE RUBINETTO	47	84.1608.00.2	1	RACCORDO DIRITTO D.25
10	80.3087.60.2	9÷15	ANELLO OR 2,0x7 VITON	48	82.0067.50.2	1	GALLETTO G.1"1/4
11	84.3653.00.2	6÷1	ROSETTA D.8,4x14x1,6 INOX	49	86.2555.00.2	4	VITE TE M8x20 UNI5739
12	25.0058.51.2	3÷5	MOLLA RUBINETTO	50	84.0542.40.2	1	RACCORDO CURVO D.25
13	25.0372.51.2	3÷5	ASTA RUBINETTO MANUALE "RD"	50	84.0560.00.2	1	RACCORDO CURVO D.30
14	80.3200.00.2	3÷5	ANELLO OR 2,62x22,22	51	84.1608.40.2	1	RACCORDO DIRITTO D.25
15	25.0370.32.2	3÷5	CORPO SUPERIORE RUBINETTO "RD"	51	84.1620.50.2	1	RACCORDO DIRITTO D.30
16	25.0373.32.2	3÷5	LEVA RUBINETTO	52	80.3219.00.2	1	ANELLO OR 3,0x25
17	85.1139.90.2	3÷5	SPINA D.4x25	53	25.0323.61.2	1	PIEDINO DESTRO
18	80.3177.00.2	3÷5	ANELLO OR 2,62x12,37 VITON	54	25.0151.32.2	1	CORPO MULTICONTROL
19	25.0356.49.2	3÷5	BAIONETTA INT.16	55	24.0230.51.2	1	PERNO COMANDO SFERA
20	25.0038.32.2	1	TAPPO	56	80.3052.50.2	2	ANELLO OR 1,78x6,75 VITON
21	80.3200.00.2	5÷7	ANELLO OR 2,62x22,22	57	80.3189.00.2	1	ANELLO OR 2,62x18,72
22	25.0059.49.2	11÷17	BAIONETTA INT.25	58	25.0223.32.2	1	RACCORDO PER PERNO
23	25.0161.32.2	3÷5	REGISTRO SCARICO	59	25.0160.32.2	1	LEVA DISTRIBUTORE
24	80.3170.00.2	3÷5	ANELLO OR 2,62x7,59	60	85.1139.50.2	1	SPINA ELASTICA D.4x24
25	25.0363.32.2	3÷5	TARGHETTA	61	24.0223.32.2	2	GUARNIZIONE TEFLON
26	25.0349.32.2	2÷4	SCARICO INTERMEDIO	62	25.0154.32.2	1	ANELLO PORTA GUARNIZIONE
27	25.0350.32.2	1	SCARICO CON RACCORDO G.1"	63	80.3208.10.2	1	ANELLO OR 2,62x32,99
28	84.0542.00.2	1	RACCORDO CURVO D.25	64	80.3200.00.2	4÷6	ANELLO OR 2,62x22,22
29	82.0045.00.2	2	GALLETTO G.1"	65	25.0321.32.2	3÷5	RACCORDO PORTAGOMMA D.10
30	85.4528.00.2	4	TIRANTE M8x278 (3 RUB.+ BERTIMATIC)	65	25.0340.32.2	3÷5	RACCORDO PORTAGOMMA D.13
30	85.4529.00.2	4	TIRANTE M8x338 (4 RUB.+ BERTIMATIC)	65	25.0341.32.2	3÷5	RACCORDO PORTAGOMMA D.16
30	85.4530.00.2	4	TIRANTE M8x398 (5 RUB.+ BERTIMATIC)	65	25.0342.32.2	3÷5	RACCORDO PORTAGOMMA D.20
31	25.0156.53.2	1	SFERA D.32,5	65	25.0367.32.2	3÷5	RACCORDO 3/4"NPT FEMMINA
32	86.1934.80.2	1	VITE TSPEI M5x16 UNI5933 INOX	66	25.0342.32.2	1	RACCORDO SCARICO D.20 BERTIMATIC
33	26.0201.18.2	1	OTTURATORE IN CERAMICA	67	80.3213.40.2	1	ANELLO OR 3,0x11 VITON
34	86.2261.00.2	4	VITE TCEI M6x30 UNI5931	68	25.0077.51.2	1	PERNO PER BERTIMATIC
35	86.2235.00.2	1	VITE STEI M6x35 UNI5927	69	80.3200.00.2	1	ANELLO OR 2,62x22,22
36	81.4542.00.2	5	DADO M6 UNI5588	70	25.0074.32.2	1	CORPO BERTIMATIC
37	26.0219.32.2	1	POMOLO DI REGOLAZIONE	71	25.0076.32.2	1	POMOLO BERTIMATIC
38	25.0152.32.2	1	CALOTTA VALVOLA	72	85.1050.00.2	1	SPINA ELASTICA D.3x30
39	26.0204.51.2	1	PIATTIELLO MOLLA	73	25.0312.32.2	1	COPERCHIO PORTA-MANOMETRO

MOTOR POWERED MULTICONTROL "RS"

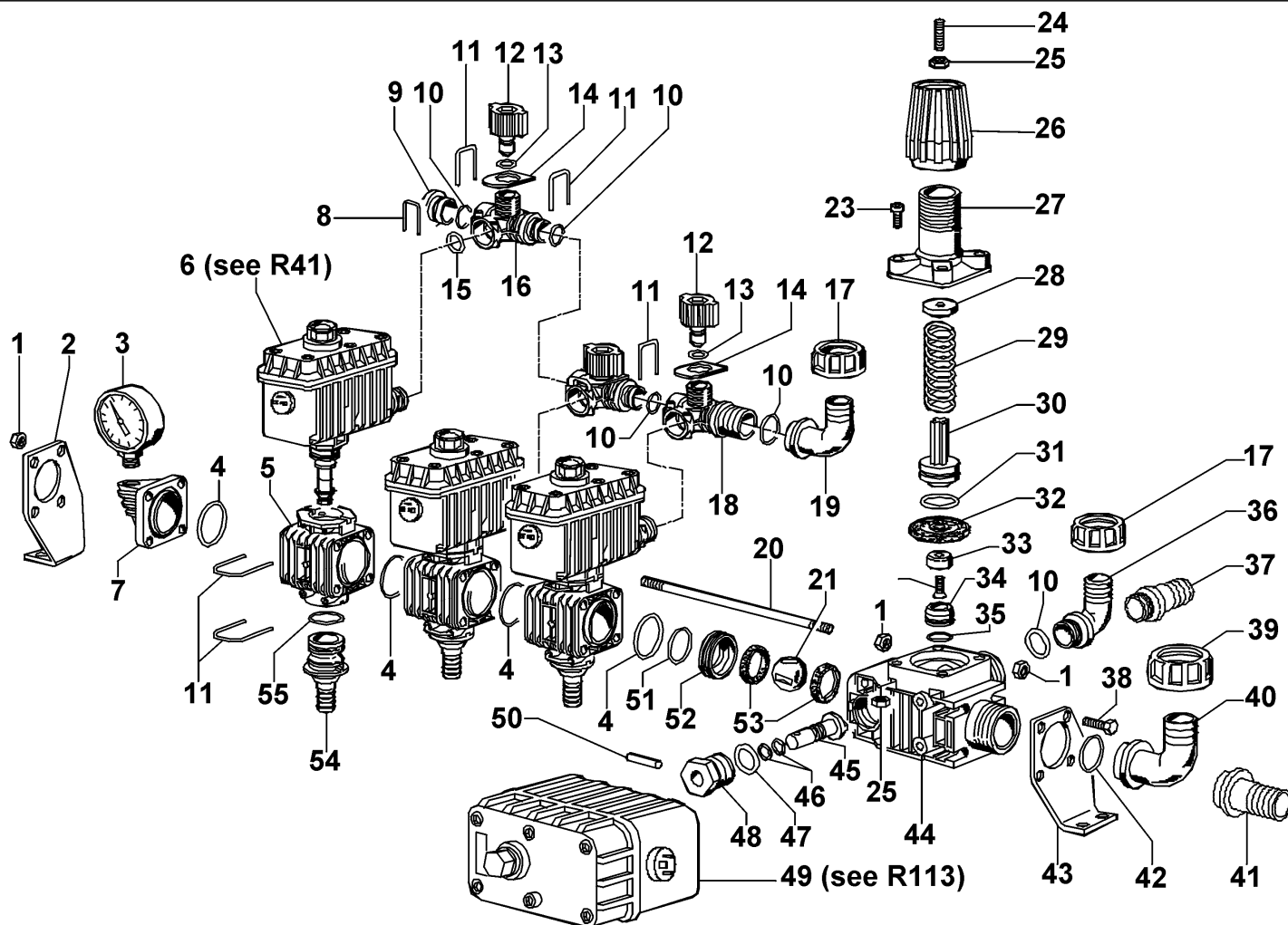


NOMENCLATURA RICAMBI DISTRIBUTORE MOD. MULTICONTROL "RS" MOTORIZZATO

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	81.4575.00.2	12	DADO M8 UNI5588	29	84.0542.00.2	1	RACCORDO CURVO D.25
2	25.0226.61.2	1	PIEDINO SINISTRO	30	84.1595.00.2	1	RACCORDO DIRITTO D.19
3	83.0010.00.2	1	MANOMETRO 0-24 D.63	30	84.1608.00.2	1	RACCORDO DIRITTO D.25
3	83.0088.00.2	1	MANOMETRO 0-24 D.100 (OPTIONAL)	31	86.2555.00.2	4	VITE TE M8x20 UNI5739
4	80.3208.30.2	4÷6	ANELLO OR 2,62x36,14	32	82.0067.50.2	1	GALLETTO G.1"1/4
5	25.0339.32.2	3÷5	CORPO RUBINETTO	33	84.0542.40.2	1	RACCORDO CURVO D.25
6	25.9972.97.3	3÷5	KIT RUBINETTO MOTORIZZATO BASE	33	84.0560.00.2	1	RACCORDO CURVO D.30
7	25.0356.49.2	3÷5	BAIONETTA INT.16	34	84.1608.40.2	1	RACCORDO DIRITTO D.25
8	80.3177.00.2	3÷5	ANELLO OR 2,62x12,37 VITON	34	84.1620.50.2	1	RACCORDO DIRITTO D.30
9	85.2551.00.2	3÷5	TAPPO D.17	35	80.3219.00.2	1	ANELLO OR 3,0x25
10	25.0312.32.2	1	COPERCHIO PORTA-MANOMETRO	36	25.0323.61.2	1	PIEDINO DESTRO
11	85.4527.00.2	4	TIRANTE M8x218 (3 RUBINETTI)	37	25.0162.32.2	1	CORPO MULTICONTROL MASCHIATO
11	85.4528.00.2	4	TIRANTE M8x278 (4 RUBINETTI)	38	24.0541.51.2	1	PERNO COMANDO SFERA
11	85.4529.00.2	4	TIRANTE M8x338 (5 RUBINETTI)	39	80.3052.50.2	2	ANELLO OR 1,78x6,75 VITON
12	25.0156.53.2	1	SFERA D.32,5	40	80.3189.00.2	1	ANELLO OR 2,62x18,72
13	86.1934.80.2	1	VITE TSPEI M5x16 UNI5933 INOX	41	25.0223.32.2	1	RACCORDO PER PERNO
14	26.0201.18.2	1	OTTURATORE IN CERAMICA	42	25.9968.97.3	1	KIT MOTORIDUTTORE VALVOLA ONOF
15	86.2261.00.2	4	VITE TCEI M6x30 UNI5931	43	85.1136.50.2	1	SPINA ELASTICA D.4x18 INOX
16	86.2235.00.2	1	VITE STEI M6x35 UNI5927	44	80.3208.10.2	1	ANELLO OR 2,62x32,99
17	81.4542.00.2	5	DADO M6 UNI5588	45	25.0154.32.2	1	ANELLO PORTA GUARNIZIONE
18	26.0219.32.2	1	POMOLO DI REGOLAZIONE	46	24.0223.32.2	2	GUARNIZIONE TEFLON
19	25.0152.32.2	1	CALOTTA VALVOLA	47	25.0321.32.2	3÷5	RACCORDO PORTAGOMMA D.10
20	26.0204.51.2	1	PIATTELLO MOLLA	47	25.0340.32.2	3÷5	RACCORDO PORTAGOMMA D.13
21	26.0212.48.2	1	MOLLA	47	25.0341.32.2	3÷5	RACCORDO PORTAGOMMA D.16
22	25.0153.32.2	1	PISTONCINO VALVOLA	47	25.0342.32.2	3÷5	RACCORDO PORTAGOMMA D.20
23	80.3247.30.2	1	ANELLO OR 3,53x26,57	47	25.0367.32.2	3÷5	RACCORDO 3/4"NPT FEMMINA
24	25.0016.31.2	1	MEMBRANA	48	25.0059.49.2	6÷10	BAIONETTA INT.25
25	25.0155.51.2	1	SEDE VALVOLA REGOLAZIONE				
26	80.3195.00.2	1	ANELLO OR 2,62x20,24				
27	80.3200.00.2	4÷6	ANELLO OR 2,62x22,22				
28	82.0045.00.2	1	GALLETTO G.1"				
29	84.0520.00.2	1	RACCORDO CURVO D.19				

³ Da ordinare con perno pos. 38 e OR pos. 39
To order with pin pos. 38 and O-Ring pos. 39

MOTOR POWERED MULTICONTROL "RD"



NOMENCLATURA RICAMBI DISTRIBUTORE MOD. MULTICONTROL "RD" MOTORIZZATO

POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION	POS.	CODICE PART NUMBER	Q.TY	DENOMINAZIONE DESCRIPTION
1	81.4575.00.2	12	DADO M8 UNI5588	32	25.0016.31.2	1	MEMBRANA
2	25.0226.61.2	1	PIEDINO SINISTRO	33	26.0201.18.2	1	OTTURATORE IN CERAMICA
3	83.0010.00.2	1	MANOMETRO 0-24 D.63	34	25.0155.51.2	1	SEDE VALVOLA REGOLAZIONE
3	83.0088.00.2	1	MANOMETRO 0-24 D.100 (OPTIONAL)	35	80.3195.00.2	1	ANELLO OR 2,62x20,24
4	80.3208.30.2	4÷6	ANELLO OR 2,62x36,14	36	84.0520.00.2	1	RACCORDO CURVO D.19
5	25.0339.32.2	3÷5	CORPO RUBINETTO	36	84.0542.00.2	1	RACCORDO CURVO D.25
6	25.9972.97.3	3÷5	KIT RUBINETTO MOTORIZZATO BASE	37	84.1595.00.2	1	RACCORDO DIRITTO D.19
7	25.0312.32.2	1	COPERCHIO PORTA-MANOMETRO	37	84.1608.00.2	1	RACCORDO DIRITTO D.25
8	25.0356.49.2	3÷5	BAIONETTA INT.16	38	86.2555.00.2	4	VITE TE M8x20 UNI5739
9	25.0038.32.2	1	TAPPO	39	82.0067.50.2	1	GALLETTO G.1"1/4
10	80.3200.00.2	5÷7	ANELLO OR 2,62x22,22	40	84.0542.40.2	1	RACCORDO CURVO D.25
11	25.0059.49.2	9÷15	BAIONETTA INT.25	40	84.0560.00.2	1	RACCORDO CURVO D.30
12	25.0161.32.2	3÷5	REGISTRO SCARICO	41	84.1608.40.2	1	RACCORDO DIRITTO D.25
13	80.3170.00.2	3÷5	ANELLO OR 2,62x7,59	41	84.1620.50.2	1	RACCORDO DIRITTO D.30
14	25.0363.32.2	3÷5	TARGHETTA	42	80.3219.00.2	1	ANELLO OR 3,0x25
15	80.3177.00.2	3÷5	ANELLO OR 2,62x12,37 VITON	43	25.0323.61.2	1	PIEDINO DESTRO
16	25.0349.32.2	2÷4	SCARICO INTERMEDIO	44	25.0162.32.2	1	CORPO MULTICONTROL MASCHIATO
17	82.0045.00.2	2	GALLETTO G.1"	45	24.0541.51.2	1	PERNO COMANDO SFERA
18	25.0350.32.2	1	SCARICO CON RACCORDO G.1"	46	80.3052.50.2	2	ANELLO OR 1,78x6,75 VITON
19	84.0542.00.2	1	RACCORDO CURVO D.25	47	80.3189.00.2	1	ANELLO OR 2,62x18,72
20	85.4527.00.2	4	TIRANTE M8x218 (3 RUBINETTI)	48	25.0223.32.2	1	RACCORDO PER PERNO
20	85.4528.00.2	4	TIRANTE M8x278 (4 RUBINETTI)	49	25.9968.97.3	1	KIT MOTORIDUTTORE VALVOLA ON/OFF
20	85.4529.00.2	4	TIRANTE M8x338 (5 RUBINETTI)	50	85.1136.50.2	1	SPINA ELASTICA D.4x18 INOX
21	25.0156.53.2	1	SFERA D.32,5	51	80.3208.10.2	1	ANELLO OR 2,62x32,99
22	86.1934.80.2	1	VITE TSPEI M5x16 UNI5933 INOX	52	25.0154.32.2	1	ANELLO ORTA GUARNIZIONE
23	86.2261.00.2	4	VITE TCEI M6x30 UNI5931	53	24.0223.32.2	2	GUARNIZIONE TEFLON
24	86.2235.00.2	1	VITE STEI M6x35 UNI5927	54	25.0321.32.2	3÷5	RACCORDO PORTAGOMMA D.10
25	81.4542.00.2	5	DADO M6 UNI5588	54	25.0340.32.2	3÷5	RACCORDO PORTAGOMMA D.13
26	26.0219.32.2	1	POMOLO DI REGOLAZIONE	54	25.0341.32.2	3÷5	RACCORDO PORTAGOMMA D.16
27	25.0152.32.2	1	CALOTTA VALVOLA	54	25.0342.32.2	3÷5	RACCORDO PORTAGOMMA D.20
28	26.0204.51.2	1	PIATTELLO MOLLA	54	25.0367.32.2	3÷5	RACCORDO 3/4"NPT FEMMINA
29	26.0212.48.2	1	MOLLA	55	80.3200.00.2	3÷5	ANELLO OR 2,62x22,22
30	25.0153.32.2	1	PISTONCINO VALVOLA				
31	80.3247.30.2	1	ANELLO OR 3,53x26,57				

³ Da ordinare con perno pos. 45 e OR pos. 46
To order with pin pos. 45 and O-Ring pos. 46

COD. 31.8718.97.3

[illegible]



(I) ATTENZIONE

- In questo catalogo, troverete i codici del particolare a ricambio, raccomandato per prodotti standard Bertolini
- I particolari a ricambio di cessata produzione saranno disponibili fino ad esaurimento scorte.
- Bertolini si riserva il diritto d'apportare i cambiamenti che ritiene opportuno senza preavviso.

(GB) ATTENTION

- In this catalogue you will find the spare parts codes, recommended for Bertolini standard products.
- The spare parts out of production will be available until stocks last.
- It is Bertolini policy to improve our products constantly, and we therefore reserve the right to make modifications without prior notice.

(F) ATTENTION

- Dans ce catalogue vous trouverez les codes des pièces de rechange recommandées pour les produits standard Bertolini.
- Les pièces de rechange de fin production seront disponibles jusqu'à exhaustion du stock.
- Bertolini cherche continuellement à améliorer ses produits et se réserve donc le droit d'apporter les modifications nécessaires sans préavis.

(D) ACHTUNG

- In diesem Katalog sind die Artikel-Nummern der, für die Bertolini Standardprodukte empfohlen Ersatzteile aufgeführt.
- Die ausgelaufenen Ersatzteile sind bis zur Erschöpfung des Lagerbestands erhältlich.
- Das Konzept der Bertolini beruht auf stetiger Produktverbesserung. Daher behält sich die Firma das Recht vor, zu Jeder Zeit und ohne vorherige Benachrichtigung, die als notwendig erscheinenden Änderungen vorzunehmen.

(E) ATENCIÓN

- En este catálogo encontrarán los códigos de las piezas de recambio recomendadas para productos estándar Bertolini.
- Las piezas de recambio correspondientes a materiales que ya no se fabrican estarán disponibles hasta agotar existencias.
- La política de Bertolini es la de proceder a la mejora del producto y, por tanto, se reserva el derecho de introducir los cambios que considera oportunos sin previo aviso.