



## WW116



### TECHNICAL INFORMATION

Flow (L/min)	15
Flow (US Gpm)	3,96
Rotation regime (rpm)	2800
Pressure (MPa)	11
Pressure (bar)	110
Pressure (psi)	1600
Power (hp)	4
Power (kW)	2,94
Overall dimensions L x l x h (mm)	225x223x142,5
Weight (kg)	7,7



## Documents

Male shaft (key)

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Hollow shaft (key) Ø28 - vers. B

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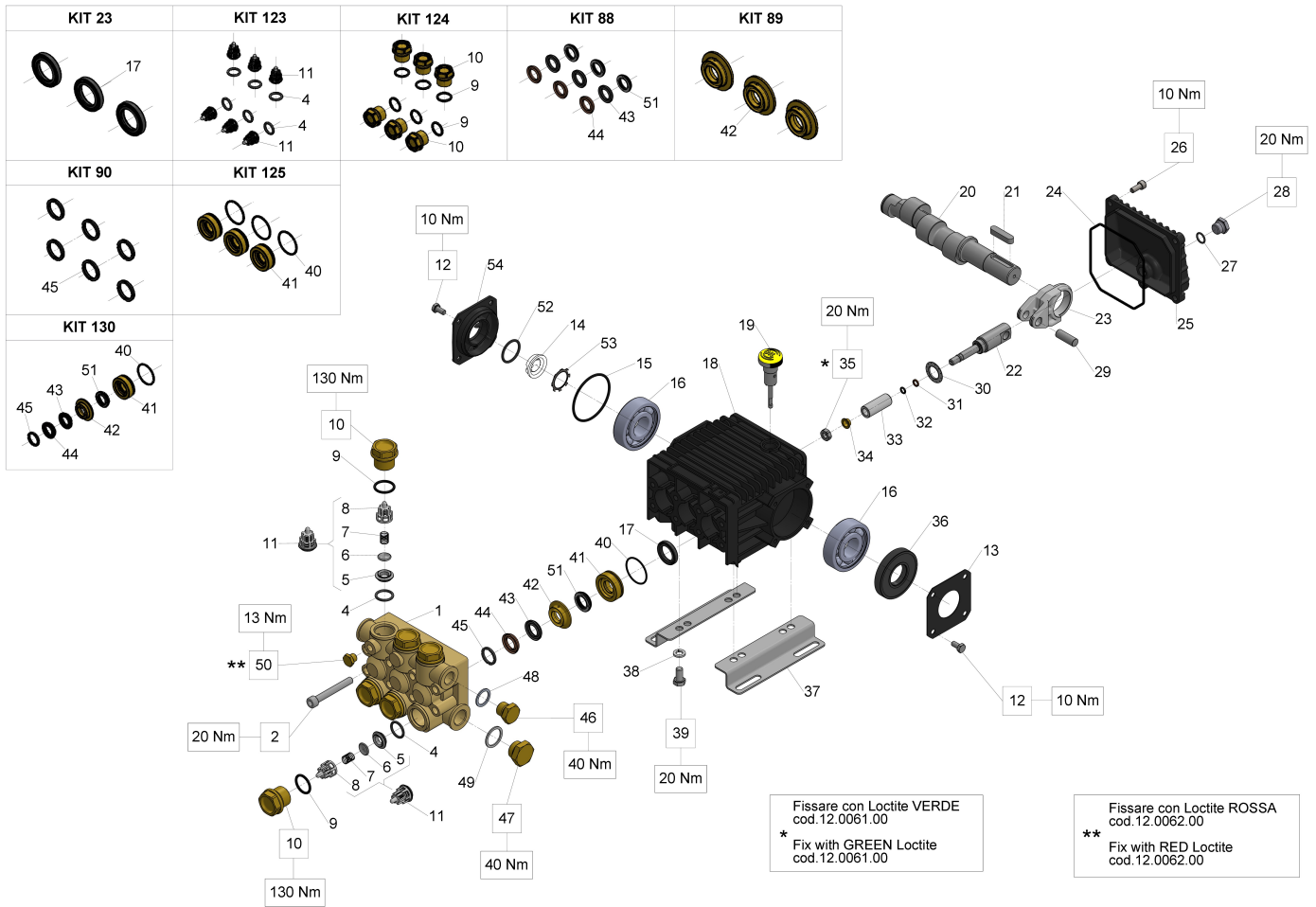
Pump head with VH integrated valve

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Pump head with VK integrated valve

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# Illustration Male shaft (key)



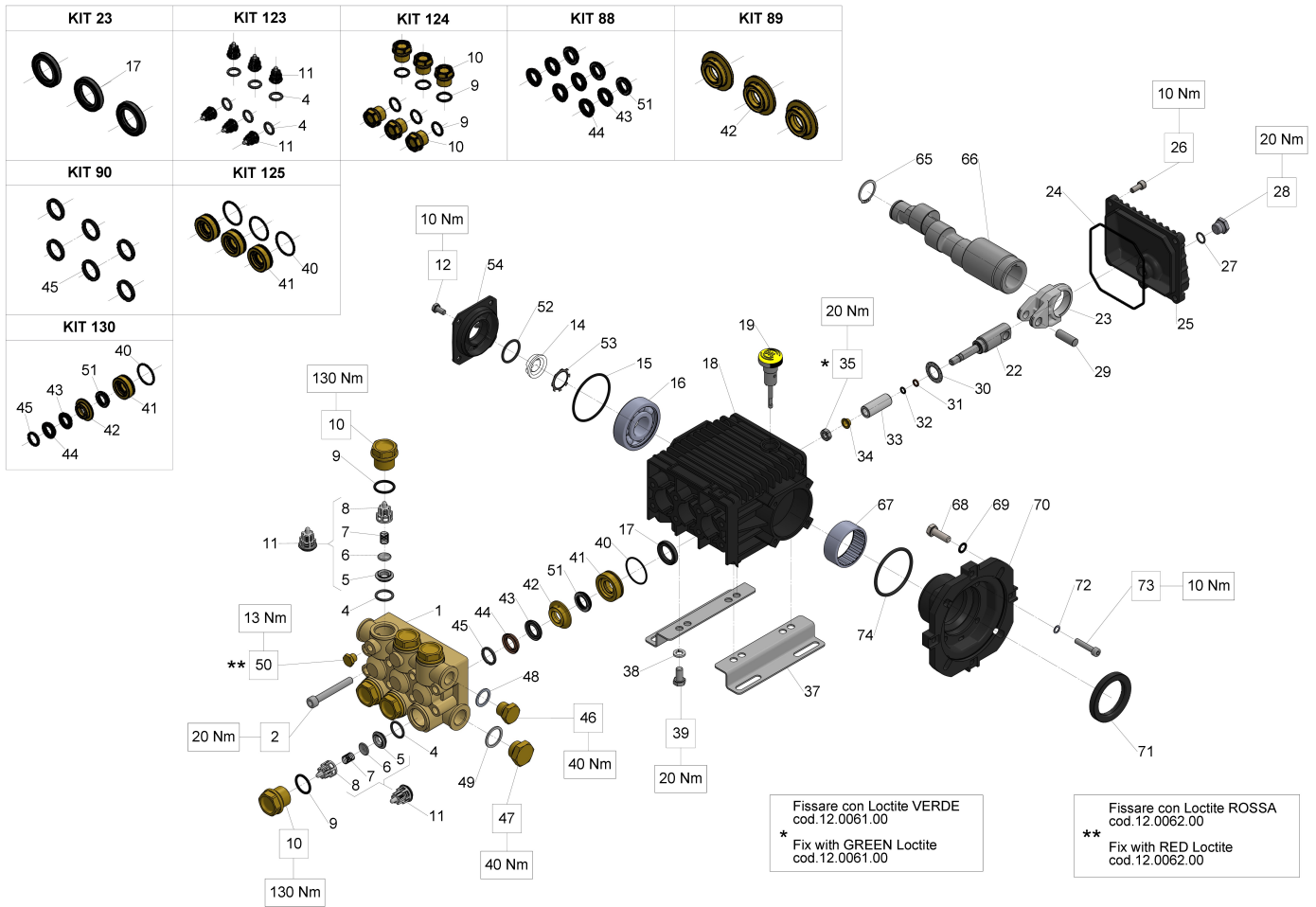
## Illustration Male shaft (key)

Pos.	Code	Description	Qty	Notes
KIT130	34013001	KIT 130 CPL.SEAL PIST. D.15	1	
KIT125	34012501	KIT 125 PACKING RETAINER D.15	1	
KIT124	34012401	KIT 124 VALVE CAPS	1	
KIT123	34012301	KIT 123 INTAKE/DELIVERY VALVE	1	
KIT90	34009001	KIT 90 HEAD RING D. 15	1	
KIT89	34008901	KIT 89 INTERMEDIATE RING D. 15	1	
KIT88	34008801	KIT 88 PACKING D. 15	1	
KIT23	34002301	KIT 23 OIL SEAL D.20X30X5	1	
54	53150022	SIDE CRANKCASE COVER	1	
53	90067100	CIRCLIP ZJ30	1	
52	90385900	O-RING 25,07X2,62 (3100)	1	
51	90261700	LOW PRESS. PACKING 15X25X6	3	
50	98196600	PLUG G1/8X8	1	
49	96751400	WASHER 21,5X27X1,5	1	
48	96738000	WASHER 17,5X23X1,5	1	
47	98217600	PLUG G1/2X10	1	
46	98210000	PLUG G3/8X13	1	
45	51100051	HEAD RING D. 15	3	
44	90262000	PACKING D. 15X25X5/3,1	3	
43	90262200	RESTOP RING 15X25X5X3,1	3	
42	52216670	INTERMEDIATE RING D. 15	3	
41	44080070	PACKING RETAINER D. 15	3	
40	90361200	O-RING 31,47X1,78 (2125)	3	
39	99303700	SCREW M 8x16-5739	4	
38	96701600	WASHER 8,4	4	
37	50200074	PUMP FOOT	2	
36	90164100	OIL SEAL D.25X62X10	1	
35	92221600	NUT M8X13X5	3	
34	44211570	WASHER D. 8	3	
33	52040009	PISTON D. 15X37.5	3	
32	90357200	O-RING 5,28X1,78 SPEC. (2021)	3	
31	90502200	ANTI-EXTRUSION RING	3	
30	96735000	WASHER D.16X28X1	3	
29	97734000	CONNECTING-ROD PIN D.10X29,5	3	
28	98204250	PLUG G1/4"x12	1	
27	90358500	O-RING 10,82X1,78 (2043)	1	

## Illustration Male shaft (key)

Pos.	Code	Description	Qty	Notes
26	99183700	SCREW M 6x14 UNI 5931	5	
25	44160022	REAR CRANKCASE COVER	1	
24	90392000	O-RING 101,27X2,62 (3400)	1	
23	44030022	CONNECTING ROD	3	
22	44050066	PISTON GUIDE	3	
21	91489200	KEY 8(h9)X7X35 UNI 6604/A	1	
20	44020335	CRANKSHAFT C.11 (D.24)	1	
19	98210300	OIL DIP-STICK G3/8X51	1	
18	44010022	CRANKCASE	1	
17	90161400	OIL SEAL 20x30x5	3	
16	91833100	BALL BEARING 6305 SKF	2	
15	90389800	O-RING 56,82X2,62 (3225)	1	
14	53210851	OIL LEVEL GAUGE	1	
13	50150074	CRANKCASE COVER	1	
12	99180700	SCREW M 6x12 UNI 5739	8	
11	36711501	INTAKE/DELIVERY VALVE	6	
10	98222600	VALVE CAP M24X1,5X17	6	
9	90384700	O-RING 20,29X2,62(3081)	6	
8	36202551	VALVE CAGE	6	
7	94737600	SPRING D. 9,4X14,8	6	
6	36200176	VALVE PLATE	6	
5	36200366	VALVE SEAT	6	
4	90384100	O-RING 17,12X2,62 (3068)	6	
2	99317500	SCREW M 8x60 UNI 5931	8	
1	44120041	MANIFOLD D. 15	1	

# Illustration Hollow shaft (key) Ø28 - vers. B



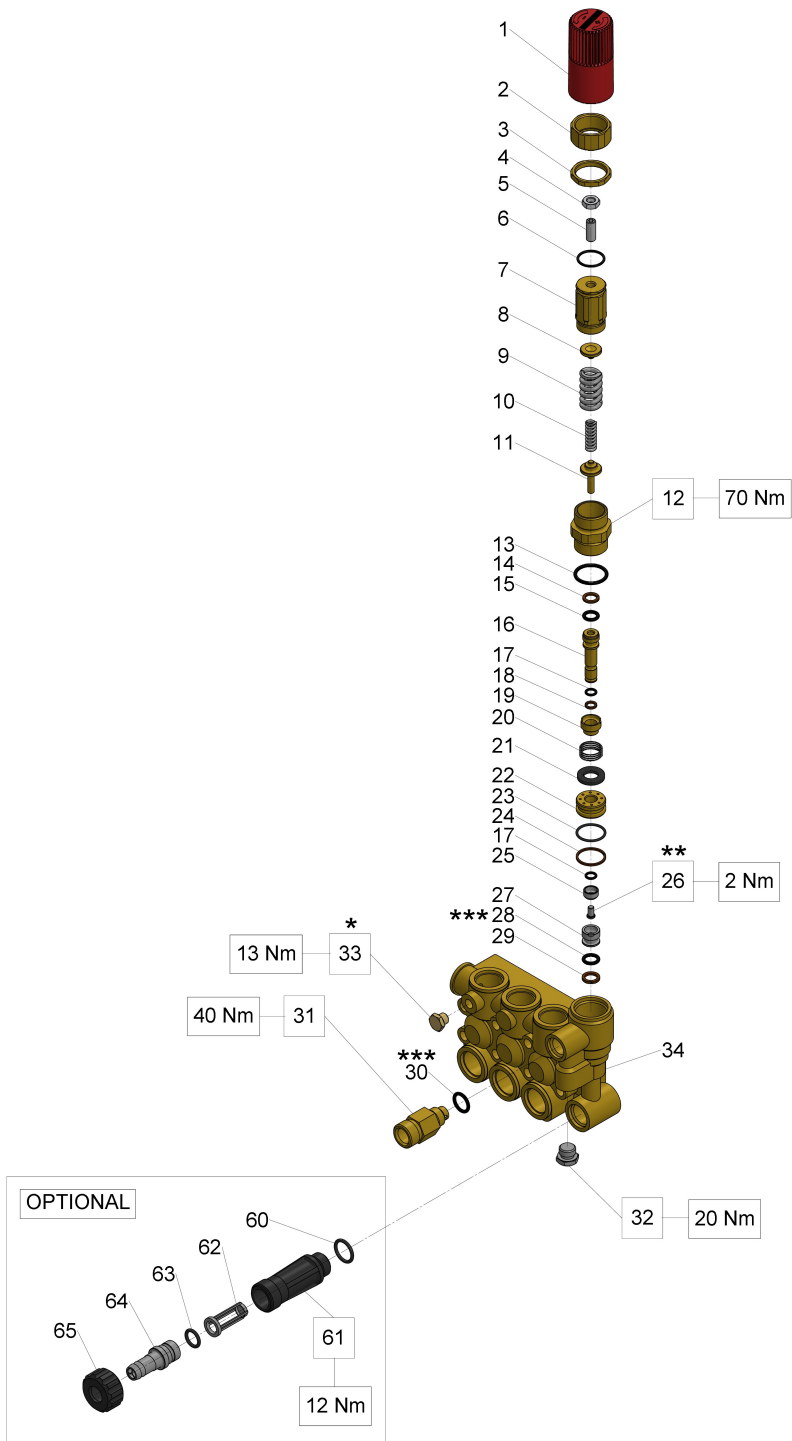
## Illustration Hollow shaft (key) Ø28 - vers. B

Pos.	Code	Description	Qty	Notes
KIT90	34009001	KIT 90 HEAD RING D. 15	1	
KIT89	34008901	KIT 89 INTERMEDIATE RING D. 15	1	
KIT88	34008801	KIT 88 PACKING D. 15	1	
KIT23	34002301	KIT 23 OIL SEAL D.20X30X5	1	
KIT130	34013001	KIT 130 CPL.SEAL PIST. D.15	1	
KIT125	34012501	KIT 125 PACKING RETAINER D.15	1	
KIT124	34012401	KIT 124 VALVE CAPS	1	
KIT123	34012301	KIT 123 INTAKE/DELIVERY VALVE	1	
74	90409700	O-RING 55,56X3,53 (159)	1	
73	99191200	SCREW M 6x30 UNI 5931	4	
72	96693800	WASHER 6,4X10X0,7	4	
71	90169000	OIL SEAL D. 45X62X8	1	
70	10049422	FLANGE FOR EL.MOT.B3B14 (EUR)	1	
69	96701400	WASHER 8,4X13X0,8	4	
68	99306700	SCREW M 8x25 UNI 5739	4	
67	91856800	NEEDLE BEARING DHK 4520	1	
66	44021365	CRANKSHAFT C.11(28 MM. HOLLOW)	1	
65	90063500	CIRCLIP D. 25 UNI 7435	1	
54	53150022	SIDE CRANKCASE COVER	1	
53	90067100	CIRCLIP ZJ30	1	
52	90385900	O-RING 25,07X2,62 (3100)	1	
51	90261700	LOW PRESS. PACKING 15X25X6	3	
50	98196600	PLUG G1/8X8	1	
49	96751400	WASHER 21,5X27X1,5	1	
48	96738000	WASHER 17,5X23X1,5	1	
47	98217600	PLUG G1/2X10	1	
46	98210000	PLUG G3/8X13	1	
45	51100051	HEAD RING D. 15	3	
44	90262000	PACKING D. 15X25X5/3,1	3	
43	90262200	RESTOP RING 15X25X5X3,1	3	
42	52216670	INTERMEDIATE RING D. 15	3	
41	44080070	PACKING RETAINER D. 15	3	
40	90361200	O-RING 31,47X1,78 (2125)	3	
39	99303700	SCREW M 8x16-5739	4	
38	96701600	WASHER 8,4	4	
37	50200074	PUMP FOOT	2	

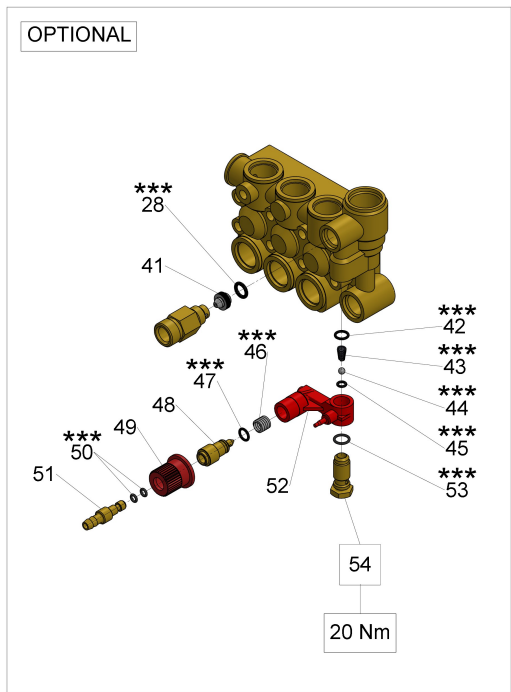
## Illustration Hollow shaft (key) Ø28 - vers. B

Pos.	Code	Description	Qty	Notes
35	92221600	NUT M8X13X5	3	
34	44211570	WASHER D. 8	3	
33	52040009	PISTON D. 15X37.5	3	
32	90357200	O-RING 5,28X1,78 SPEC. (2021)	3	
31	90502200	ANTI-EXTRUSION RING	3	
30	96735000	WASHER D.16X28X1	3	
29	97734000	CONNECTING-ROD PIN D.10X29,5	3	
28	98204250	PLUG G1/4"x12	1	
27	90358500	O-RING 10,82X1,78 (2043)	1	
26	99183700	SCREW M 6x14 UNI 5931	5	
25	44160022	REAR CRANKCASE COVER	1	
24	90392000	O-RING 101,27X2,62 (3400)	1	
23	44030022	CONNECTING ROD	3	
22	44050066	PISTON GUIDE	3	
19	98210300	OIL DIP-STICK G3/8X51	1	
18	44010022	CRANKCASE	1	
17	90161400	OIL SEAL 20x30x5	3	
16	91833100	BALL BEARING 6305 SKF	1	
15	90389800	O-RING 56,82X2,62 (3225)	1	
14	53210851	OIL LEVEL GAUGE	1	
12	99180700	SCREW M 6x12 UNI 5739	4	
11	36711501	INTAKE/DELIVERY VALVE	6	
10	98222600	VALVE CAP M24X1,5X17	6	
9	90384700	O-RING 20,29X2,62(3081)	6	
8	36202551	VALVE CAGE	6	
7	94737600	SPRING D. 9,4X14,8	6	
6	36200176	VALVE PLATE	6	
5	36200366	VALVE SEAT	6	
4	90384100	O-RING 17,12X2,62 (3068)	6	
2	99317500	SCREW M 8x60 UNI 5931	8	
1	44120041	MANIFOLD D. 15	1	

# Illustration Pump head with VH integrated valve



KIT 94 ***					KIT 137				
28	30	42	43	44	14	15	16	17	18
45	46	47	50	53	19	20	21	22	23
					24	25	26	27	*** 28
					29				



Fissare con Loctite 542 col.ROSSO  
 \* Fix with Loctite 542 col.RED

Fissare con Loctite 270 col.VERDE  
 \*\* Fix with Loctite 270 col.GREEN

## Illustration Pump head with VH integrated valve

Pos.	Code	Description	Qty	Notes
KIT94	34009401	KIT 94 CHIMJET KR/CONTROLSET	1	
KIT137	34013701	KIT 137 PRESSURE REG. VALVE	1	
65	92982800	WING NUT G3/4	1	
64	36256951	INLET HOSE BARB FITTING (PL.)	1	
63	90382800	O-RING 12,37X2,62 (3050)	1	
62	92892500	FILTER D. 12X35	1	
61	36318251	INLET NIPPLE G 3/4	1	
60	90384100	O-RING 17,12X2,62 (3068)	1	
54	36256370	CHEM. INJECTOR VALVE SEAT	1	
53	90358500	O-RING 10,82X1,78 (2043)	1	
52	36318151	INJECTOR BODY	1	
51	36256670	CHEM. HOSE BARB FITTING	1	
50	90357000	O-RING 4,48X1,78 (2018)	2	
49	36256551	CHEM. REGULATION KNOB	1	
48	36256470	INJECTOR SHUTTER	1	
47	90358000	O-RING 8,73X1,78 SPEC. (108)	1	
46	94738300	SPRING D.9,75X10	1	
45	90357200	O-RING 5,28X1,78 SPEC. (2021)	1	
44	97478200	BALL 7/32(5,556) STAINLESS	1	
43	94821700	TAPER SPRING D.4,3X7,3X11	1	
42	90358200	O-RING 9,25X1,78 (2037)	1	
41	10015166	NOZZLE D. 2.0	1	
41	10007666	NOZZLE DIAM. 2,2	1	
34	44120141	MANIFOLD W/VALVE (PIST.D.15)	1	
33	98196600	PLUG G1/8X8	1	
32	98205700	PLUG M14X1,5X9	1	
31	10007870	NIPPLE D. 3 G3/8	1	
31	10014770	NIPPLE G3/8 / M22X1,5 BORE D.3	1	
30	90383200	O-RING 13,95X2,62 SPEC. (3056)	1	
29	90506500	ANTI-EXTRUSION RING (OR 112)	1	
28	90382200	O-RING 9,92X2,62 SPEC. (112)	2	
27	36316466	CONTROLSET W1 VALVE SEAT	1	
26	99150900	SCREW M5X7.5 STAINLESS	1	

## Illustration Pump head with VH integrated valve

Pos.	Code	Description	Qty	Notes
25	36319066	SPHERICAL VALVE	1	
24	90514400	ANTI-EXTRUSION RING	1	
23	90360000	O-RING 21,95X1,78 (2087)	1	
22	36322970	VALVE GUIDE	1	
21	36323151	FLAT VALVE (PLAST)	1	
20	94748500	SPRING D. 18,5X11	1	
19	36323070	SPACER	1	
18	90502500	ANTI-EXTRUSION RING (OR 106)	1	
17	90357500	O-RING 6,75X1,78 SPEC. (2106)	2	
16	36323470	CONTROL PISTON	1	
15	90382000	O-RING 9,13X2,62 SPEC. (109)	1	
14	90505200	ANTI-EXTRUSION RING (OR 109)	1	
13	90385700	O-RING 23,81X2,62 (132)	1	
12	36322870	GUIDE BUSH	1	
11	36323370	LOWER SPRING PLATE	1	
10	94734500	SPRING D. 7,6X29	1	
9	94743600	SPRING Dm 15X35	1	
8	36316970	SPRING PLATE	1	
7	36318570	PRESSURE REG.SCREW	1	
6	90359800	O-RING 20,35X1,78 (2081)	1	
5	99305400	SCREW M8X20 UNI 5923 12.9	1	
4	92221800	NUT M8X1,25X5X13 UNI 5589	1	
3	92293500	NUT M 28X1,5	1	
2	36318670	LOCKING NUT	1	
1	36318751	PRESSURE REGULATION KNOB	1	



## Illustration Pump head with VK integrated valve

Pos.	Code	Description	Qty	Notes
KIT177	34017701	KIT 177 "K"UNL.VALVE INTERIOR1		
KIT94	34009401	KIT 94 CHIMJET KR/CONTROLSET	1	
215	92982800	WING NUT G3/4	1	
214	36256951	INLET HOSE BARB FITTING (PL.)	1	
213	90382800	O-RING 12,37X2,62 (3050)	1	
212	92892500	FILTER D. 12X35	1	
211	36318251	INLET NIPPLE G 3/4	1	
210	90384100	O-RING 17,12X2,62 (3068)	1	
204	36256370	CHEM. INJECTOR VALVE SEAT	1	
203	90358500	O-RING 10,82X1,78 (2043)	1	
202	36318151	INJECTOR BODY	1	
201	36256670	CHEM. HOSE BARB FITTING	1	
200	90357000	O-RING 4,48X1,78 (2018)	2	
199	36256551	CHEM. REGULATION KNOB	1	
198	36256470	INJECTOR SHUTTER	1	
197	90358000	O-RING 8,73X1,78 SPEC. (108)	1	
196	94738300	SPRING D.9,75X10	1	
195	90357200	O-RING 5,28X1,78 SPEC. (2021)	1	
194	97478200	BALL 7/32(5,556) STAINLESS	1	
193	94821700	TAPER SPRING D.4,3X7,3X11	1	
192	90358200	O-RING 9,25X1,78 (2037)	1	
191	10007666	NOZZLE DIAM. 2,2	1	
191	10015166	NOZZLE D. 2.0	1	
190	90382200	O-RING 9,92X2,62 SPEC. (112)	1	
187	96710300	WASHER D. 10,2X16X1.5	1	
186	44120141	MANIFOLD W/VALVE (PIST.D.15)	1	
185	98196600	PLUG G1/8X8	1	
184	98205700	PLUG M14X1,5X9	1	
183	10014770	NIPPLE G3/8 / M22X1,5 BORE D.3	1	
183	10007870	NIPPLE D. 3 G3/8	1	
182	90383200	O-RING 13,95X2,62 SPEC. (3056)	1	
181	36327566	VALVE ROD	1	
180	90506500	ANTI-EXTRUSION RING (OR 112)	1	

## Illustration Pump head with VK integrated valve

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Pos.	Code	Description	Qty	Notes
179	90382300	O-RING 9,92X2,62 (112)	1	
178	36327666	VALVE SEAT	1	
177	94737200	SPRING D. 9,3X15	1	
176	92771000	COMPRESSION RING D.25	2	
175	36327270	CONTROL PISTON	1	
174	90358100	O-RING 8,73X1,78 - (108)	1	
173	36327756	SHUTTER	1	
172	94748000	SPRING D. 18.2X16.5	1	
171	36327370	SPRING PLATE	1	
170	90006200	CIRCLIP D. 8 UNI 7433	1	
169	94740800	SPRING D. 12,5X26	1	
168	36327470	SPRING PLATE	1	
167	90005900	CIRCLIP D. 5 UNI 7433	1	
166	36327170	STROKE STOPPER	1	
165	90383500	O-RING 15,08X2,62 (119)	1	
164	90509000	ANTI-EXTRUSION RING	1	
163	90360400	O-RING 25,12X1,78 (2100)	1	
162	36327070	UPPER VALVE BODY	1	
161	92236800	NUT M10x1,25x17x8 UNI 5588	1	
160	99366300	SCREW M 10x25 UNI 5740	1	