

FALCON LINE SPRAYERS

English version



MÁQUINAS AGRÍCOLAS JACTO S.A.

Rua Dr. Luiz Miranda, 1650

17580-000 - Pompéia - SP - Brasil

Tel.: +55 14 3405-2100 - Fax: +55 14 3452 1306

E-mail: impex@jacto.com.br

Home page: <http://www.jacto.com.br>

EDITION - 12/2003

CODE - 67736

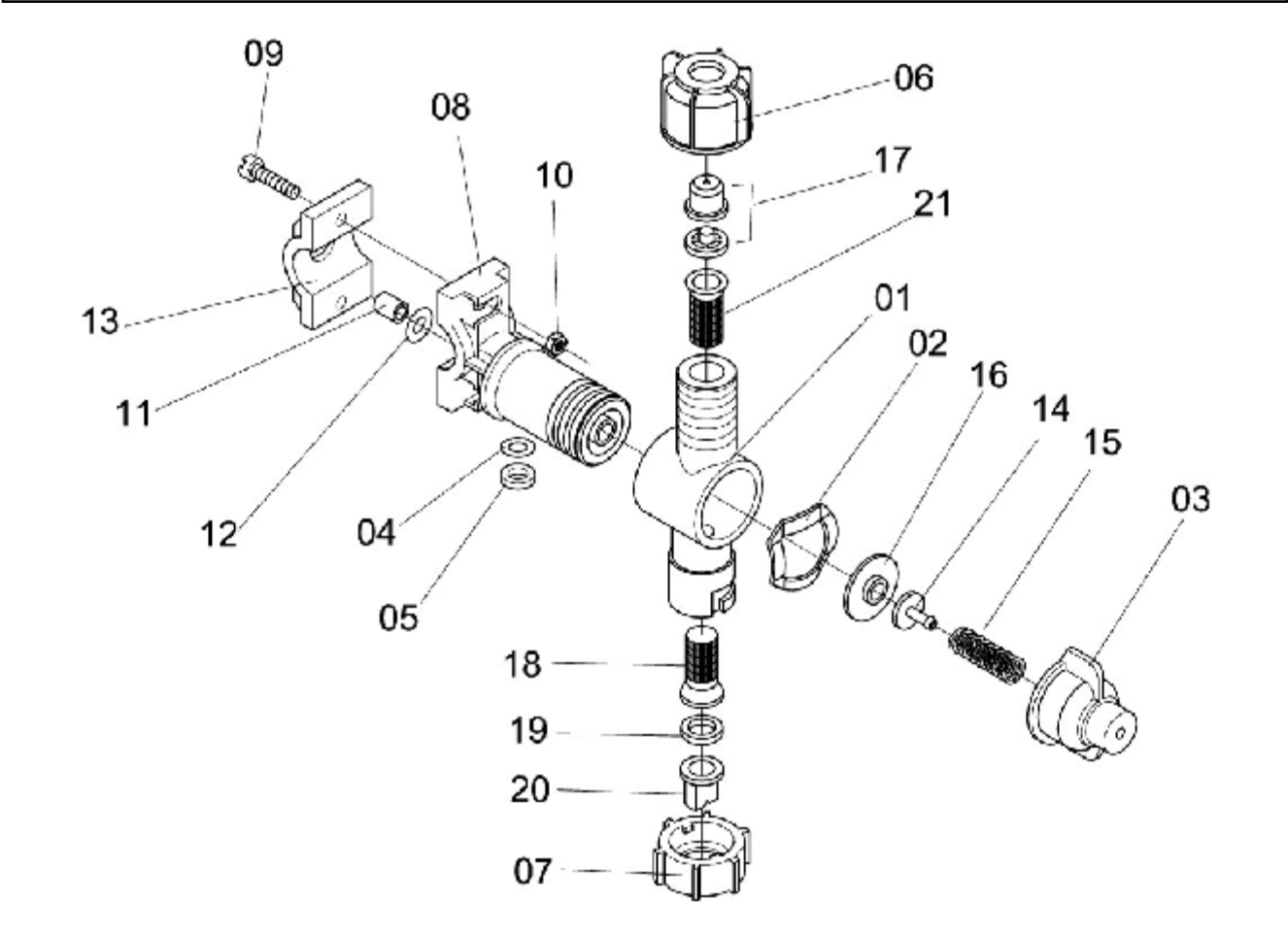
FALCON LINE SPRAYERS

EQUIPMENT	PAGE
FALCON VORTEX/75 MF-EL/4S H.....	4

FALCON VORTEX/75 MF-EL/4S H
(CODE: 055111)

ENTIRE ASSEMBLIES	SERIES	EDITION	PAGE
5-WAY VALVE	2001	2001/07	26
ACCESSORIES BOX	2001	2001/07	20
BIJET NOZZLE HOLDER	2001	2001/07	5
BOOM	2001	2001/07	6
BRANCH ASSEMBLY (CONTROL)	2001	2001/07	31
CHASSIS AND COMPLEMENTS	2001	2001/07	17
CHEMICAL CIRCUIT	2001	2001/07	8
CHEMICAL CONTROL AND COMPLEMENTS	2001	2001/07	27
CHEMICAL MIXER KIT	2001	2001/07	21
CHEMICAL MIXER NONRETURN VALVE	2001	2001/07	25
CHEMICAL PUMP	2001	2001/07	16
CHEMICALS MIXER KIT	2001	2001/07	23
FRAME	2001	2001/07	14
HYDRAULIC AGITATOR	2001	2001/07	22
HYDRAULIC CIRCUIT	2001	2001/07	10
MASTERFLOW ELETRIC CONTROL	2001	2001/07	28
PTO SHAFT	2001	2001/07	19
PUMP AND COMPLEMENTS	2001	2001/07	29
QUICK RELIEF (CONTROL)	2001	2001/07	30
REDUCTION BOX	2001	2001/07	13
SAFETY VALVE	2001	2001/07	24
SPRAY APPLICATION ASSEMBLY	2001	2001/07	18
SUCTION FILTER 100	2001	2001/07	32

BIJET NOZZLE HOLDER

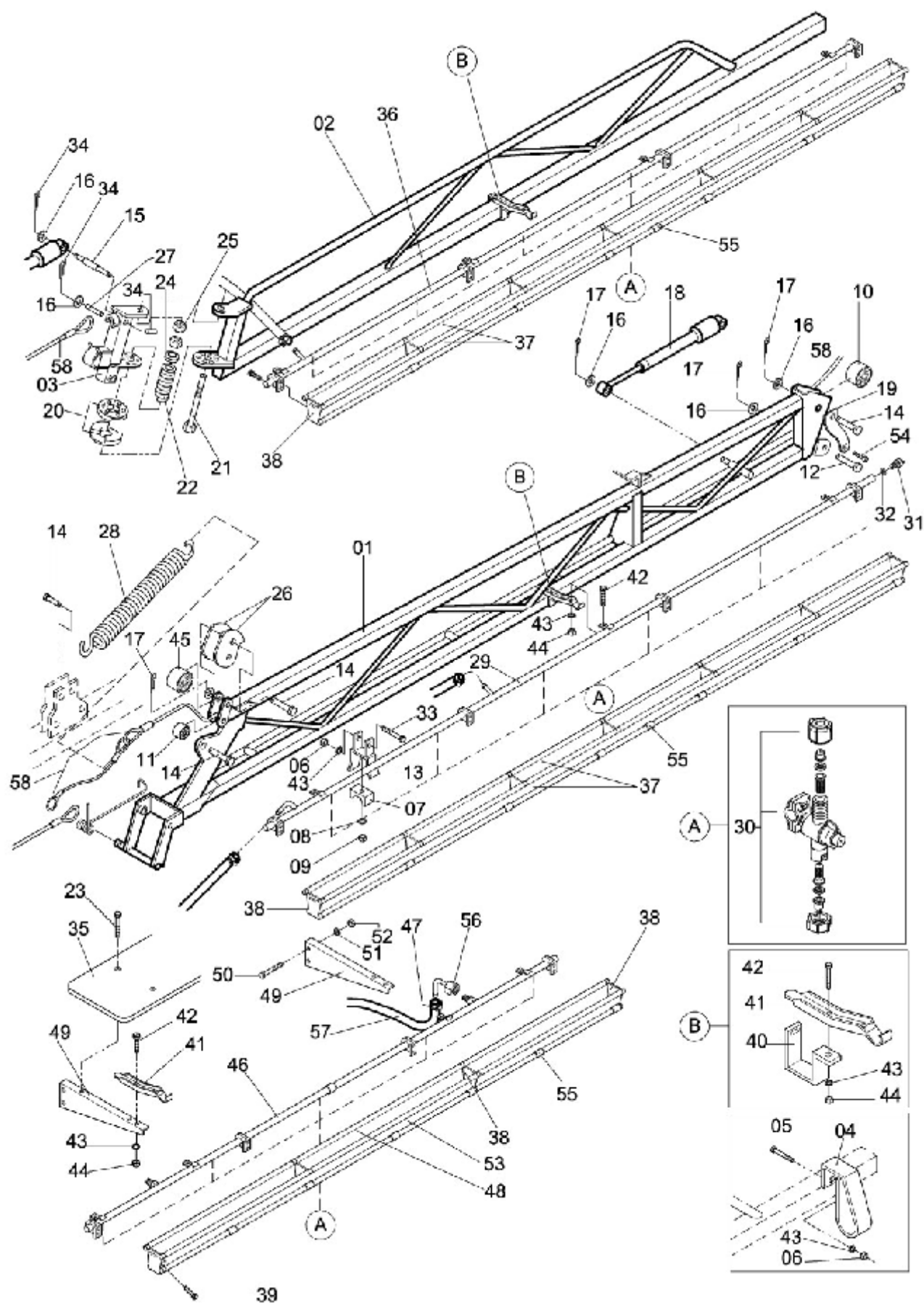


BC-16

Item	CODE	DESCRIPTION	Qty.
00	340992	Bijet nondrip double nozzle holder	1
01	339994	Nozzle holder	1
02	341008	Nozzle holder spring	1
03	333120	Valve cap	1
04	340851	O-ring OR2 - 201	1
05	341016	Seal	1
06	725010	Nozzle cap	1
07	350686	Locking nut	1
08	340273	Nozzle holder body	1
09	730291	Screw M6 x 20 x 1.00 - stainless steel	2
10	730309	Nut M-6 x 1.00 - stainless steel	2
11	037853	Metal insert	1
12	426361	O-ring OR2-905	1
13	725002	Semiclump for tube ø 19	1
14	333112	Piston cup	1
15	333153	Compression spring	1
16	333138	Diaphragm - viton	1
17	000026	Cone nozzle JA-2 (black)	1
18	440164	Nozzle filter (80 mesh)	1
19	730317	O-ring ø 15 x 09 x 4.55	1
20	564401	Flat fan nozzle 110-UF.02	1
21	440156	Nozzle filter (80 mesh)	1

Item	CODE	DESCRIPTION	Qty.

BOOM



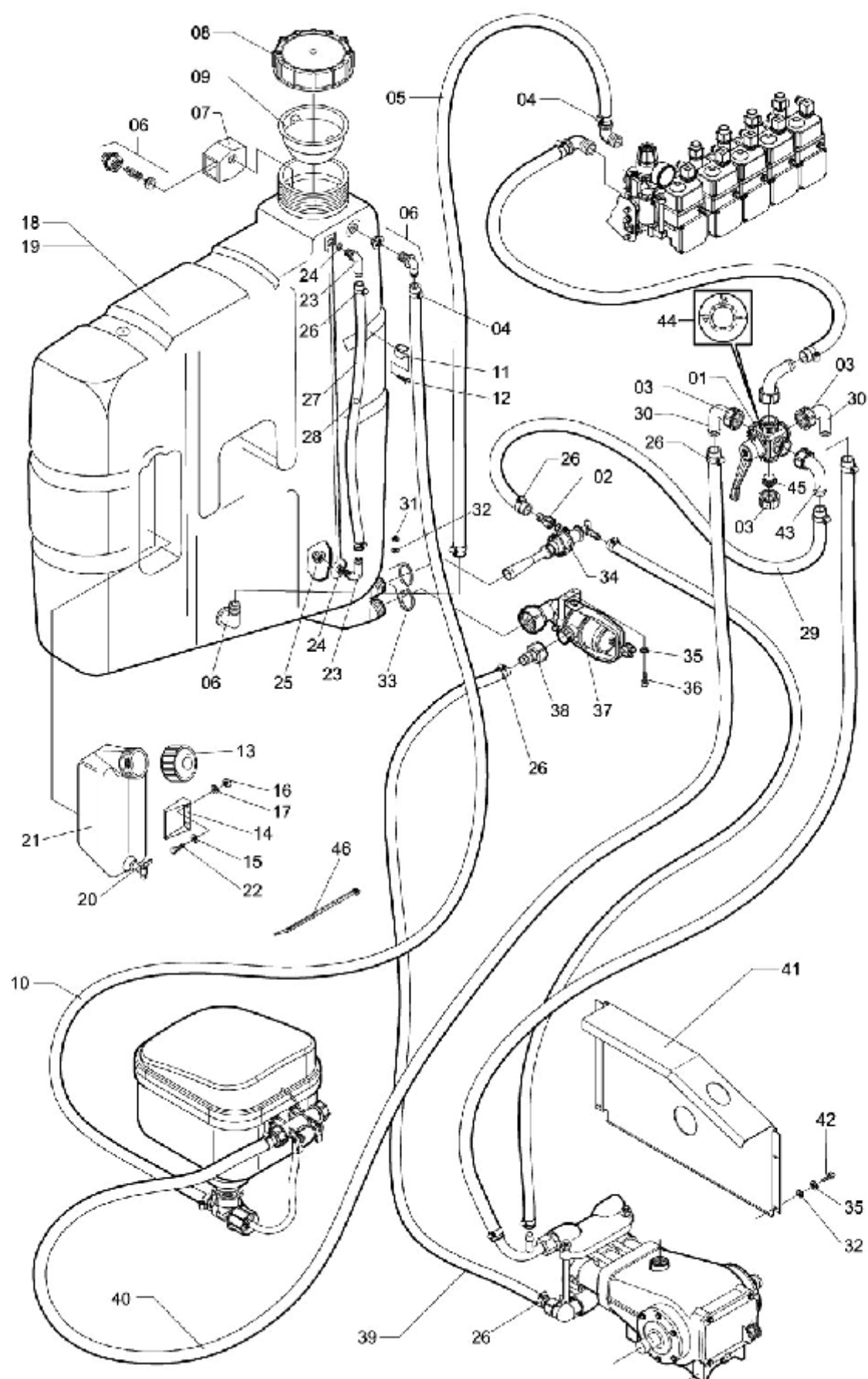
BR-50

BOOM

Continuation

Item	CODE	DESCRIPTION	Qty.	Item	CODE	DESCRIPTION	Qty.
00	968438	14-meter air assisted boom assembly	1	44	819292	Hex. nut 1/4" - 20 UNC (stainless steel)	32
00A	968446	Right boom and complements	1	45	846519	Steel cable sheave ø 67	2
00B	968453	Left boom and complements	1	46	671131	Central boom section nozzle branch	1
00C	671297	Central boom and complements	1	47	107664	Clamp D14-22 - stainless steel	4
01	733782	Boom section I - right	1	48	343137	Air channel blade 2200 - central/left	1
01A	733790	Boom section I - left	1	49	671073	Central boom support	1
02	733774	Boom section II	2	50	518753	Bolt 3/8" - 16 UNC x 1.1/4"	4
03	733808	Right joint	1	51	908566	Lock washer ø 3/8"	4
03A	743120	Left joint	1	52	912774	Hex. nut 3/8" - 16 UNC	4
04	770560	Boom skid	2	53	343129	Air channel blade 2200 - centralright	1
05	219808	Bolt 1/4" x 20 UNC x 2.1/2"	2	54	730291	Screw M6 x 20 x 1.00 - stainless steel	2
06	912741	Nut ø 1/4" - 20 UNC	4	55	342691	Spacer	54
07	770594	Boom rest	2	56	317529	Elbow 1/2" x 90°	2
08	770602	Cushion washer	2	57	915694	Hose ø 1/2" (sup. per meter)	m
09	910794	Hex. bolt 5/16" - 24 UNF x 5/8"	2	58	852905	Boom stop steel cable	2
10	965608	Steel cable roller	2				
11	769083	Steel cable sheave	2				
12	837153	Pin ø 5/8" x 110.5	2				
13	958553	Boom rest	2				
14	770651	Pin 5/8" x 54.5	8				
15	770511	Shock absorber pin	2				
16	707570	Flat washer 165 x 305 x 19	10				
17	910240	Cotter pin ø 3.18 x 25.4	14				
18	770628	Shock absorber	2				
19	838458	Bracket	2				
20	769067	Safety lock	4				
21	630814	Adjusting screw 3/4"	2				
22	106096	Compression spring	2				
23	208397	Screw 1/4" x 20 UNC x1.1/2"	4				
24	852038	Spring guide	2				
25	103564	Hex. nut 3/4" - 16 UNF	4				
26	862664	Plate 114 x 168	4				
27	546432	Pin 42	2				
28	837088	Draw spring	2				
29	734566	Boom section I nozzle branch - right (complete)	1				
29A	734574	Boom section I nozzle branch - left (complete)	1				
29B	734459	Boom section I nozzle branch - right	1				
29C	734434	Boom section I nozzle branch - left	1				
30	340992	Bijet nondrip double nozzle holder	29				
31	520775	Drain plug 1/4" BSP	2				
32	901405	O-ring ORI-014	2				
33	219808	Bolt 1/4" x 20 UNC x 2.1/2"	2				
34	917369	Flexible pin (heavy) 3 x 22	6				
35	868323	Duct supporting board	1				
36	734582	Boom section II nozzle branch - right (complete)	1				
36A	734590	Boom section II nozzle branch - left (complete)	1				
36B	734475	Boom section II nozzle branch - right	1				
36C	734491	Boom section II nozzle branch - left	1				
37	671552	Air channel blade 2800	8				
38	342493	Outlet duct structure	59				
39	323998	Screw ø 4.2 x 16	45				
40	458141	Semiclump for tube 40	14				
41	671438	Nozzle support	16				
42	007229	Bolt 1/4" x 20 UNC x 3/4"	32				
43	910117	Lock washer ø 1/4"	32				

CHEMICAL CIRCUIT



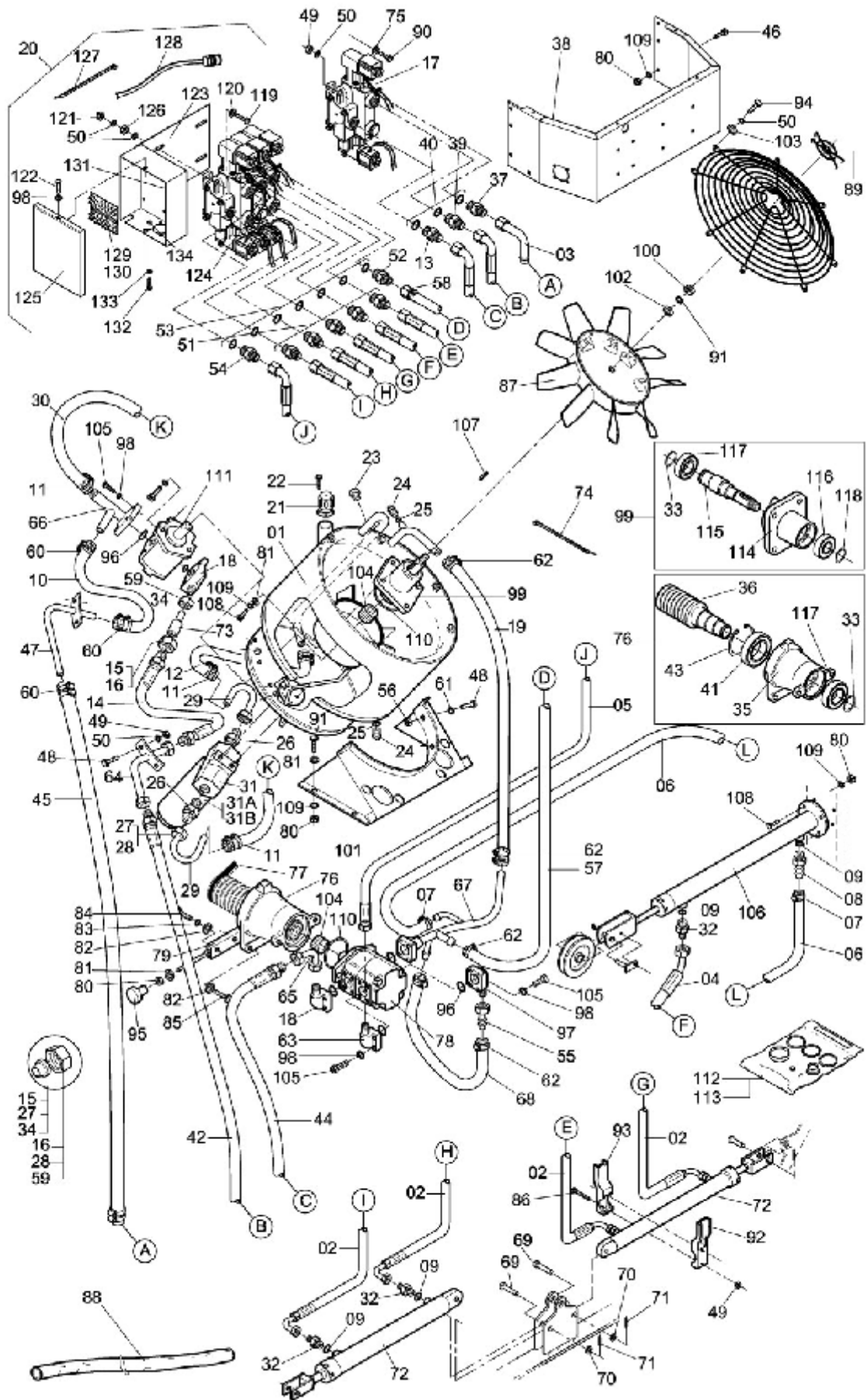
CD-178

CHEMICAL CIRCUIT

Continuation

Item	CODE	DESCRIPTION	Qty.	Item	CODE	DESCRIPTION	Qty.
00	058339	Spray circuit (basic)	1				
01	992040	5-way valve assembly	1				
02	111518	Hose fitting 1" with nut 1"	1				
03	989426	Fitting fastening nut	4				
04	330969	Clamp D25-38 - stainless steel	6				
05	841643	Hose ø 1.1/4" x 960	1				
06	573626	Chemicals mixer nonreturn valve	2				
07	877332	Sprinkling shield	1				
08	233965	Spray tank lid	1				
09	613810	Plastic strainer 190	1				
10	841734	Hose 1.1/4" x 2730	1				
11	958587	Hose support	2				
12	811042	Screw M-5 x 12 x 0.8	2				
13	762856	Cover ø 130	1				
14	842104	15-liter tank supporting plate	1				
15	508515	Flat washer 41 x 127 x 12.1	2				
16	912774	Hex. nut 3/8" - 16 UNC	2				
17	908566	Lock washer ø 3/8"	2				
18	839571	600-liter tank	1				
19	866624	Sticker: "600 liter graduation"	1				
20	436535	Plastic tap	1				
21	668608	15-liter tank	1				
22	518753	Bolt 3/8" - 16 UNC x 1.1/4"	2				
23	428730	Elbow 3/4" x 1/2" BSP -14 F.P.P.	2				
24	973024	Seal 36 x 21 x 6	2				
25	428748	Flanged nut 1/2" BSP -14 F.P.P.	2				
26	423814	Clamp D22-32 - stainless steel	8				
27	971895	Hose 3/4" x 1180	1				
28	717181	Ball float ø 14"	1				
29	947606	Hose 1" x 1850	1				
30	992180	Fitting 3/4" x 90°	2				
31	912741	Nut ø 1/4" - 20 UNC	2				
32	910117	Lock washer ø 1/4"	4				
33	671412	Filter support	1				
34	846600	Hydraulic agitator no. 6	1				
35	413468	Flat washer 68 x 190 x 12.1	4				
36	007229	Bolt 1/4" x 20 UNC x 3/4"	2				
37	005777	Filter FVS-100	1				
38	015438	Hose fitting ø 1" with nut	1				
39	841783	Hose 1" x 1000	1				
40	062513	Hose 3/4" x 1800	1				
41	841759	Pulleys protector	1				
42	073890	Hex. head bolt 1/4" - 28 UNF x 3/4" - degree 5	2				
43	992172	Curve nozzle 1" x 90°	1				
44	052324	Position indicator disc	1				
45	989434	Valve cap	1				
46	323584	Hose tie	2				

HYDRAULIC CIRCUIT



CH-41

HYDRAULIC CIRCUIT

Continuation

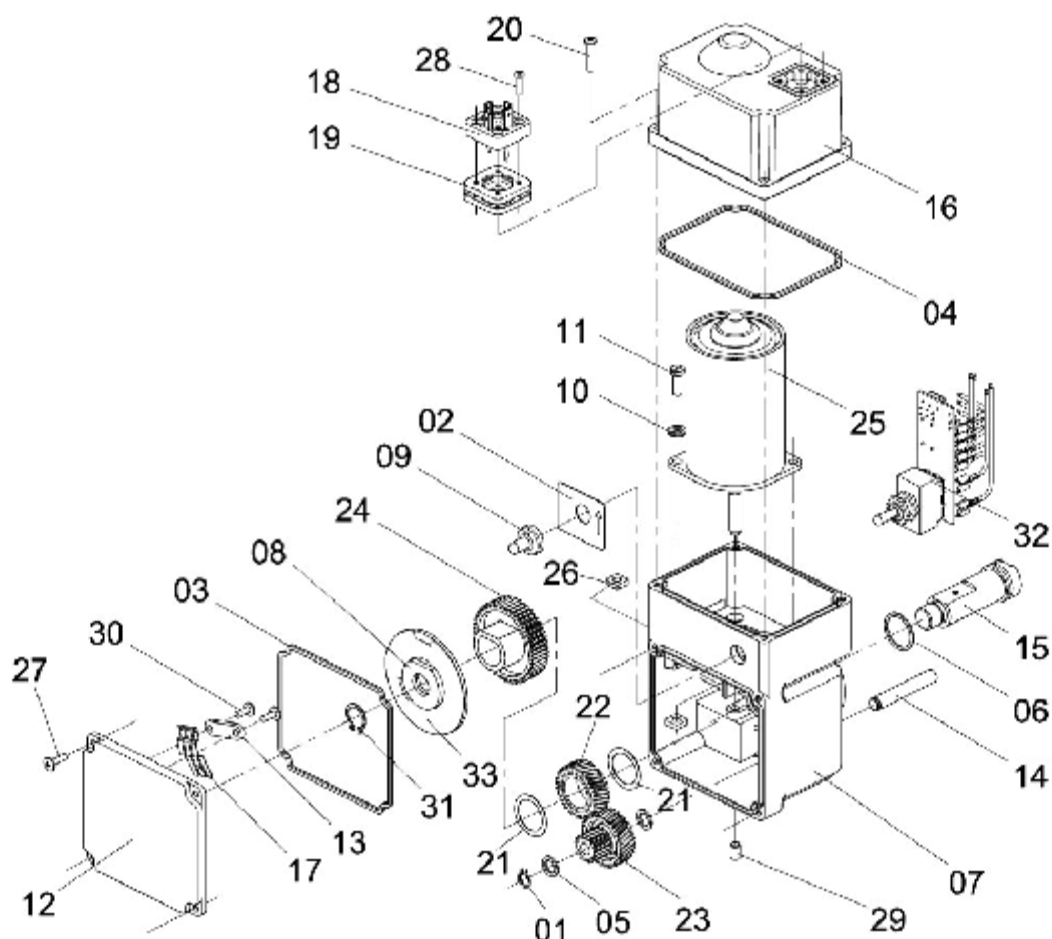
Item	CODE	DESCRIPTION	Qty.	Item	CODE	DESCRIPTION	Qty.
00	054619	Hydraulic circuit	1	58	823997	Coupling end 70°	1
01	985689	Deflector - hydraulic tank	1	59	516724	Coupling nut for tube ø 15	3
02	054643	Hose MHMP-04 1/4" x 2800	4	60	911115	Clamp D32-44 - stainless steel	4
03	055756	Return fitting 19 x 90 degrees	1	61	501478	Flat washer 83 x 170 x 15	35
04	138016	Hose MHMP-04 1/4" x 1700	1	62	107664	Clamp D14-22 - stainless steel	4
05	054650	Hose MHMP-06 3/8" x 1400	1	63	211458	Pump outlet connection	1
06	838391	Hose 3/8" x 1500	1	64	884114	Pumping tube - control/engine	1
07	063370	Clamp D 12-16 - stainless steel	2	65	839431	Pump outlet tube	1
08	838425	Hose fitting 3/8" x 1/2" UNF	1	66	734186	Outlet fitting - hydraulic engine	1
09	426361	O-ring OR2-905	6	67	839480	Intake fitting - hydraulic pump	1
10	845636	Hose SAE 100 R3 - ø 1" x 300	1	68	058701	Hose MBP-10 5/8" x 700	1
11	330969	Clamp D25-38 - stainless steel	8	69	770651	Pin 5/8" x 54.5	2
12	845644	Hose ø 1" x 500	1	70	707570	Flat washer 165 x 305 x 19	2
13	878819	Fitting 3/4" UNF x M28 x 1.5	1	71	625533	Flexible pin (heavy) 4 x 24	2
14	838698	Hose ø 5/8" x 200	1	72	770933	Hydraulic cylinder 40 x stroke 450	2
15	022905	Penetrating ring for tube ø 19	5	73	838730	Hydraulic adaptor	1
16	022889	Coupling nut for tube ø 19	5	74	326710	Hose tie	3
17	057133	Electric hydraulic control	1	75	018358	Flat washer 81 x 200 x 19	4
18	105478	Flanged elbow 15 x 35	2	76	985812	Bearing block no. 20	1
19	838748	Hose ø 1.1/4" x 2170	1	77	615815	Trapeze belt	8
20	057141	Electric hydraulic control assembly		78	841155	Double gear pump	1
21	211979	Filling plug	1	79	839654	Bearing block base-hydraulic pump	1
22	925453	Screw M-5 x 10 x 0.8	3	80	912774	Hex. nut 3/8" - 16 UNC	13
23	521351	Oil sight 1/2" BSP with packing ring	1	81	422436	Flat washer 104 x 254 x 19	9
24	520775	Drain plug 1/4" BSP	2	82	418152	Flat washer 132 x 258 x 26.5	2
25	325290	O-ring OR1-112	2	83	908582	Lock washer 1/2"	4
26	734087	Male conector 1.1/2" for tube ø 25	2	84	108332	Hex. bolt 1/2" - 13 UNC x 1.1/4"	2
27	516781	Penetrating ring for tube ø 25	2	85	621086	Bolt ø 1/2" UNC x 1"	2
28	516799	Coupling nut for tube ø 25	2	86	729038	Bolt 5/16" x 2.3/4"	4
29	991836	Curve tube 321	2	87	990127	Fan	1
30	341503	Hose SAE 100 R3 - ø 1" x 400	1	88	991240	Protective hose 2.1/2" x 500	1
31	324467	Return filter	1	89	434076	Fan guard grid	1
31A	427187	Filtering element HDA	1	90	721704	Hex. bolt 5/16" UNC 1.1/4"	10
31B	625400	O-ring ORI-349	1	91	520130	Screw 3/8" UNC x 1"	4
32	210351	Dosage nipple 1/2" UNF	5	92	769075	Spring support I	2
33	203729	Snap ring for shaft ø 50	2	93	848903	Spring support II	2
34	106278	Penetrating ring for tube ø 15	1	94	912667	Bolt 5/16" x 18 UNC x 7/8	6
35	734111	Bearing block body	1	95	457457	Knob ø 60 - 3/8" thread	1
36	985788	Pulley 79-8-3V	1	96	106955	O-ring OR1-120	4
37	058735	Fitting 3/4" UNF x M28 x 1.5	1	97	211466	Pump intake connection	1
38	054726	Hydraulic control support	1	98	521666	Lock washer 6	18
39	023150	Male fitting 19 x 3/4" UNF	1	99	842427	Bearing block no. 19 (includes: ref. 117 to 123)	1
40	208140	O-ring OR3-912	3	100	007054	Hex. nut ø 1" - 14 UNF	1
41	839522	Fixed bearing	1	101	840827	Deflector support	1
42	839274	Hose ø 5/8" x 1200	1	102	603811	Flat washer 261 x 506 x 19	1
43	324145	Snap ring for hole ø 80	1	103	420281	Flat washer 82 x 350 x 30	6
44	138008	Hose MAP-10 5/8" x 1250	1	104	734020	Drawer	2
45	839282	Hose ø 3/4" x 1200	1	105	521658	Screw M6 x 20 x 1.0	16
46	913665	Hex. head bolt 3/8" - 16 UNC x 1.1/4"	4	106	739664	Hydraulic cylinder 40 x stroke 400	1
47	839332	Return tube - control to tank	1	107	324624	Square key 5/16" x 4"	1
48	913608	Hex. head bolt 5/16" - 18 UNC x 3/4"	13	108	912709	Bolt ø 3/8" - 16 UNC x 1"	12
49	912758	Hex. nut 5/16" - 18 UNC	18	109	908566	Lock washer ø 3/8"	20
50	908640	Lock washer 5/16"	20	110	430843	O-ring ORI-042	2
51	839399	Dosage nipple 1/2" UNF x 3/4" UNF	5	111	990101	Hydraulic gear engine	1
52	210567	Dosage nipple 9/16" UNF x 3/4" UNF	1	112	978072	Repair kit for cylinder - part no. 739664	1
53	210823	O-ring OR2-008	8	113	331058	Repair kit for cylinder Part no. 770933	1
54	325829	Adaptor with hole 3/4" UNF x 7/8" UNF	1	114	734376	Engine bearing body	1
55	823989	Coupling end 37 BP-10	2	115	740100	Transmission shaft	1
56	327346	Hex. nut 5/16" - 18 UNC	9	116	202549	Fixed bearing	1
57	839324	Hose MBP-10 - 5/8" x 2830	1				

HYDRAULIC CIRCUIT

Continuation

Item	CODE	DESCRIPTION	Qty.	Item	CODE	DESCRIPTION	Qty.
117	839514	Fixed bearing	2				
118	203067	Snap ring for shaft ø 35	1				
119	519744	Screw M8 x 40 x 1.25	4				
120	881276	Flat washer 87 x 200 x 12	4				
121	945832	Box nut M-8 x 15 x 1.25	4				
122	448019	Hex. head bolt M6 x 12	2				
123	054833	Electric hydraulic control support	1				
124	055095	Hydraulic control - electric operation	1				
125	054783	Electric connection box cover	1				
126	810770	Hex. nut M-8 x 1.25	4				
127	825406	Hose tie T 018 R	8				
128	057448	Cable - Hydraulic and spray control MFE	1				
129	441881	Spacer 6	4				
130	057455	Plate - "UNIHIDRO"	1				
131	762393	Conjugate gear	2				
132	727669	Bolt M-4 x 12	4				
133	520700	Lock washer M4	4				
134	551523	Hex. nut M-4 x 0.7 stainless steel	4				

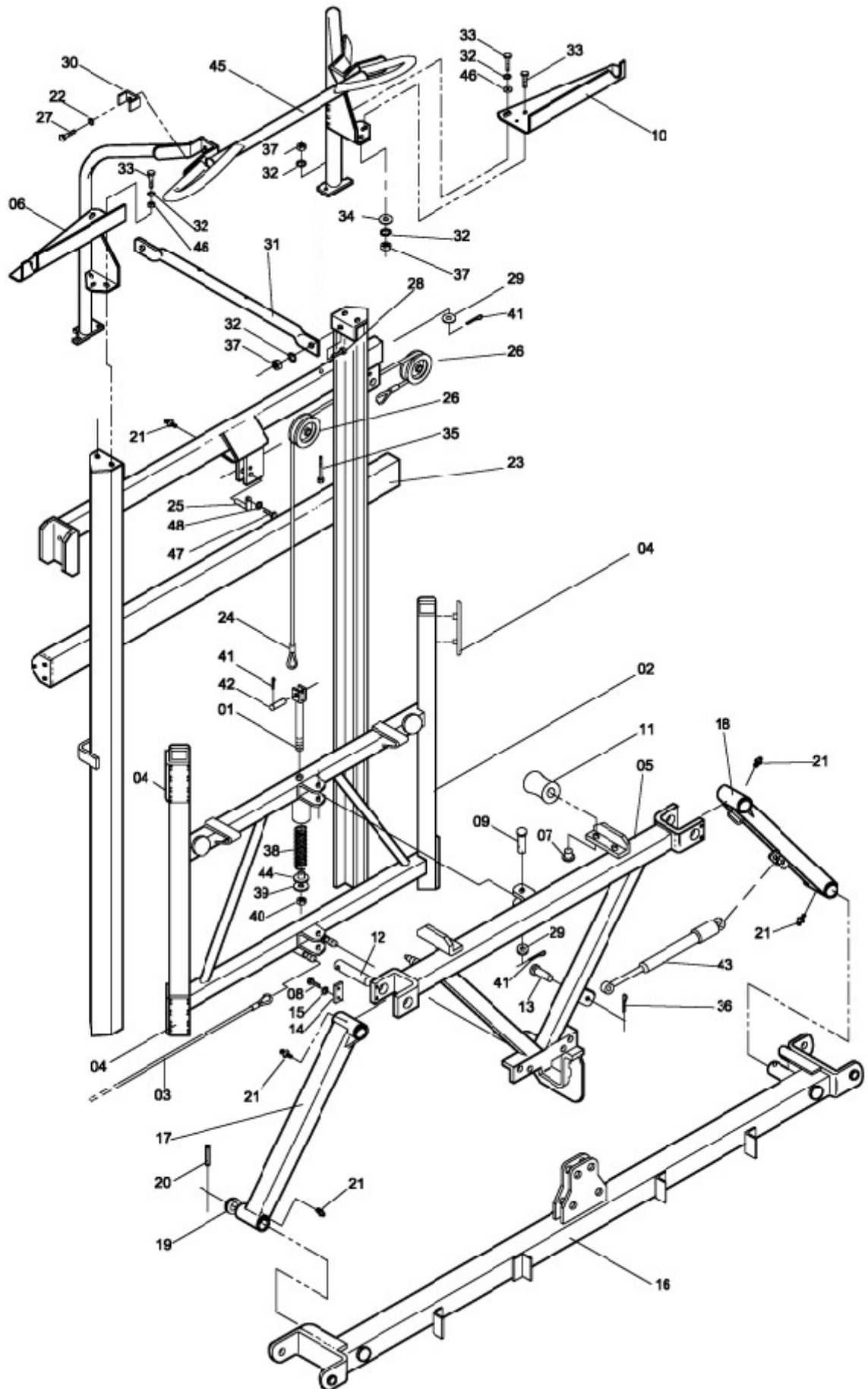
REDUCTION BOX



CV-117

Item	CODE	DESCRIPTION	Qty.	Item	CODE	DESCRIPTION	Qty.
00	998195	Reduction box	1	26	997155	Square nut M5	2
01	049833	Snap ring	1	27	997171	Flanged head screw 3.5 x 14	4
02	061176	Plate	1	28	997197	Screw 3.0 x 16	4
03	062265	Box ring	1	29	997205	Bolt M6 x 10 x 0.8	1
04	063032	Engine cover ring	1	30	997213	Flanged head screw 3.5 x 10	2
05	093369	Flat washer 84 x 127 x 12.4	2	31	997239	Snap ring for shaft 14	1
06	164343	Seat washer 24	1	32	997247	Circuit plate	1
07	172973	Gear case with bushing	1	33	867051	Contact disc	1
08	865931	Contact support	1				
09	437194	Protective cap	1				
10	520676	Lock washer 5	2				
11	728253	Screw M5 x 15 x 0.8	2				
12	860148	Gear case cover	1				
13	860205	Plate fastening support	1				
14	866046	Gear shaft	1				
15	867069	Gear case shaft	1				
16	868273	Engine cover	1				
17	868422	Contact plate	3				
18	870733	Moving pin	1				
19	870741	Connector seal	1				
20	878769	Screw PH 3.5 x 10	4				
21	965087	Flat washer 205 x 270 x 5	2				
22	983940	Right helicoidal gear	1				
23	983957	Conjugate gear	1				
24	983965	Gear	1				
25	997148	12-V electric engine without reducer	1				

FRAME



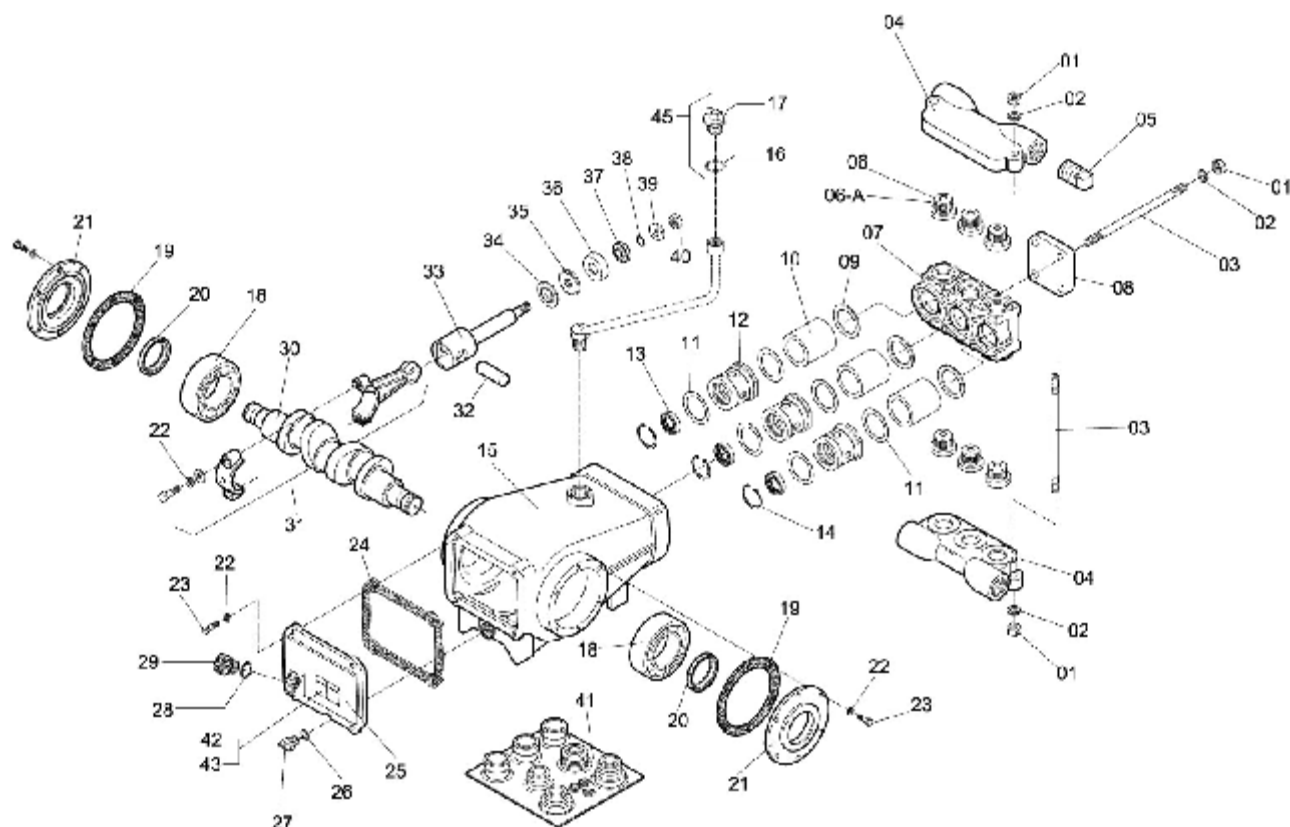
MT-25

FRAME

Continuation

Item	CODE	DESCRIPTION	Qty.	Item	CODE	DESCRIPTION	Qty.
00	734681	Frame and complements	1				
00A	837047	Sliding frame I and complements	1				
00B	838466	Sliding frame II and complements	1				
00C	846097	Swinging frame and complements	1				
00D	845610	Fixed frame and complements	1				
01	739979	Spring pin	1				
02	740407	Sliding frame I	1				
03	846188	Steel cable $\varnothing$ 5/32" x 1115	2				
04	842120	Scraper 140	8				
05	838474	Sliding frame II	1				
06	858100	Left boom rest	1				
07	345447	Bearing seat	8				
08	663153	Hex. bolt 5/16" - 18 UNC x 3/4"	4				
09	770644	Pin 5/8" x 92.5	2				
10	857888	Right boom rest	1				
11	838565	Cushion	2				
12	838599	Pin $\varnothing$ 38.1 x 108	2				
13	627984	Shaft 44.5 x 9.53	2				
14	845602	Pin lock	2				
15	908640	Lock washer 5/16"	4				
16	671362	Swinging frame	1				
17	671388	Left trapeze arm	1				
18	846147	Right trapeze arm	1				
19	969279	Flat washer 380 x 560 x 19	2				
20	820787	Flexible pin $\varnothing$ 4 x 50	2				
21	910463	Grease nipple 1/4" - 28 UNF	6				
22	770602	Cushion washer	2				
23	734723	Fixed frame	1				
24	838656	Steel cable $\varnothing$ 1/4" x 2015	1				
25	845537	Shaft 36	2				
26	105130	Sheave $\varnothing$ 100	2				
27	910794	Hex. bolt 5/16" - 24 UNF x 5/8"	2				
28	520130	Screw 3/8" UNC x 1"	4				
29	707570	Flat washer 165 x 305 x 19	3				
30	770594	Boom rest	2				
31	845628	Frame angle brace	2				
32	908566	Lock washer $\varnothing$ 3/8"	16				
33	518753	Bolt 3/8" - 16 UNC x 1.1/4"	10				
34	422436	Flat washer 104 x 254 x 19	8				
35	908517	Bolt 3/8" - 16 UNC x 2.1/2"	4				
36	808451	Cotter pin $\varnothing$ 3/32" x 3/4"	2				
37	912774	Hex. nut 3/8" - 16 UNC	10				
38	347500	Compression spring	1				
39	243832	Seat washer 50 x 17	1				
40	108787	Nut DODI-LOC $\varnothing$ 1/2" - 13 UNC	1				
41	910240	Cotter pin $\varnothing$ 3.18 x 25.4	5				
42	546432	Pin 42	1				
43	104737	Shock absorber	1				
44	243824	Spring seat - lower	1				
45	957886	Boom rest	1				
46	623884	Flat washer 105 x 210 x 20	8				
47	910109	Screw $\varnothing$ 1/4" - 20 UNC x 1/2"	2				

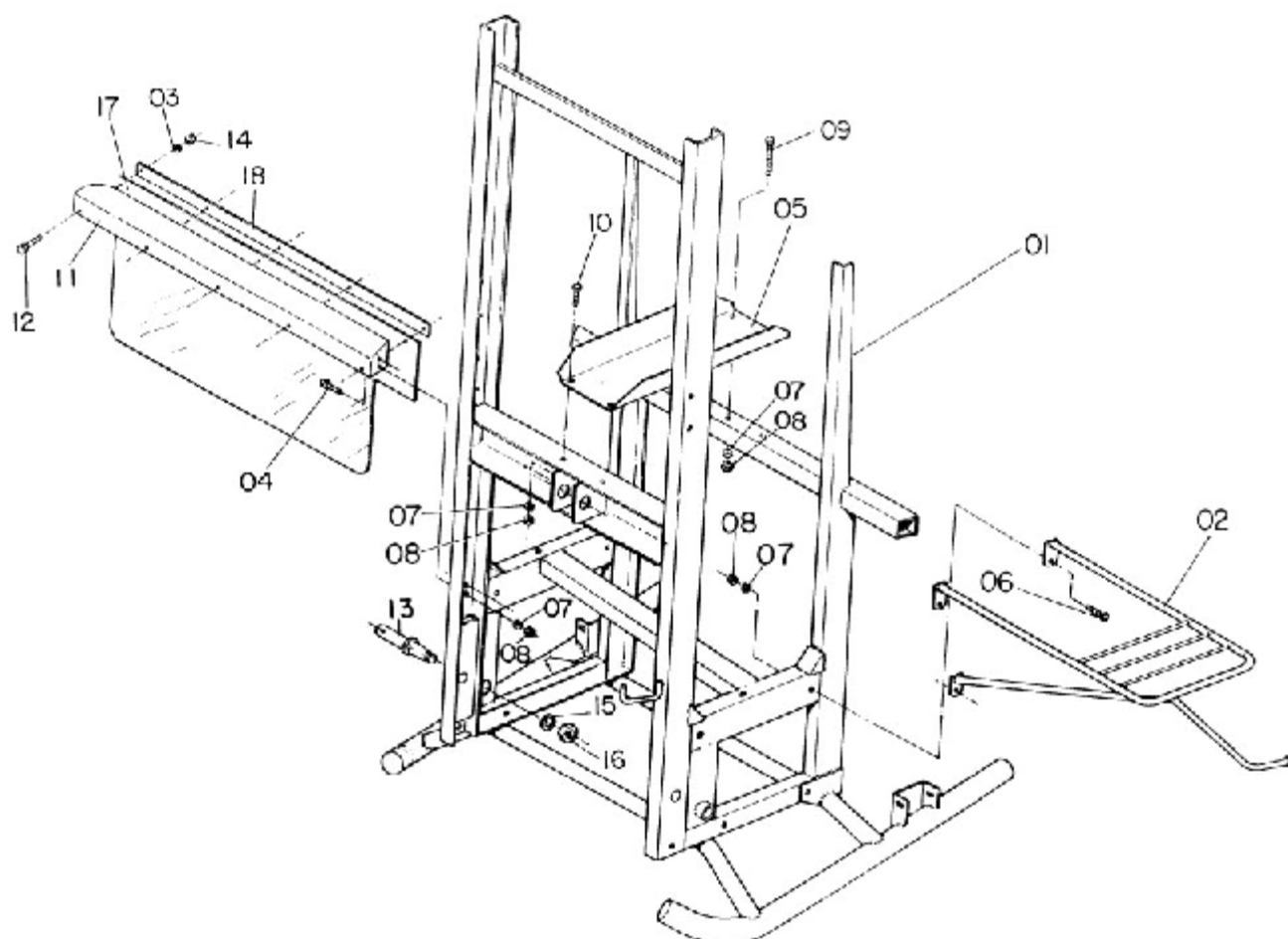
CHEMICAL PUMP



B-26

Item	CODE	DESCRIPTION	Qty.	Item	CODE	DESCRIPTION	Qty.
00	839548	Pump JP-75-F	1	25	110338	Pump cover	1
01	912790	Hex. nut 1/2" - 13 UNC	8	26	325290	O-ring OR1-112	1
02	908582	Lock washer 1/2"	8	27	520775	Drain plug 1/4" BSP	1
03	911974	Stud bolt $\varnothing$ 1/2" - 13 UNC x 210	6	28	210146	O-ring OR1-117	1
04	110304	Valves cover	2	29	213736	Plug 1/2" BSP	1
05	911305	Plug $\varnothing$ 1/2" BSP	2	30	740118	Crankshaft	1
06	261404	Pump valve 18	6	31	130401	Connecting rod assembly	3
06A	508333	Valve packing	6	32	911677	Connecting rod shaft	3
07	110288	Pump head	1	33	012922	Rod guide	3
08	110320	Clip plate	1	34	211524	Scraper ring	3
09	912493	Seal washer $\varnothing$ 54 x 2.0	3	35	911842	Piston cup assembly	3
10	423517	Pump sleeve	3	36	211482	Piston cup	3
11	912154	Packing $\varnothing$ 54 x 41.5 x 0.4	6	37	211375	Piston	3
12	911750	Sleeve guide $\varnothing$ 35	3	38	901405	O-ring ORI-014	3
13	106922	Retainer $\varnothing$ 22 x 35.2 x 7	3	39	911867	Flat washer 130 x 254 x 50	3
14	107524	Snap ring for hole $\varnothing$ 36	3	40	324178	Nut $\varnothing$ 1/4" - 20 UNF	3
15	110247	Pump body	1	41	217133	Pump repair kit	1
16	012724	O-ring ORI-119	1	42	110387	Identification plate	1
17	328542	Plug $\varnothing$ 3/4" BSP	1	43	109587	Round head rivet	4
18	107557	Fixed bearing	2	44	019356	Sticker: "Keep the oil..." (Port.)	1
19	912147	Packing	2	44A	332247	Sticker: "Keep the oil..." (Eng./Sp.)	1
20	106930	Retainer	2	45	833004	Plug $\varnothing$ 3/4" BSP	1
21	911727	Flange with wing	1				
22	908640	Lock washer 5/16"	16				
23	913608	Hex. head bolt 5/16" - 18 UNC x 3/4"	16				
24	110379	Packing	1				

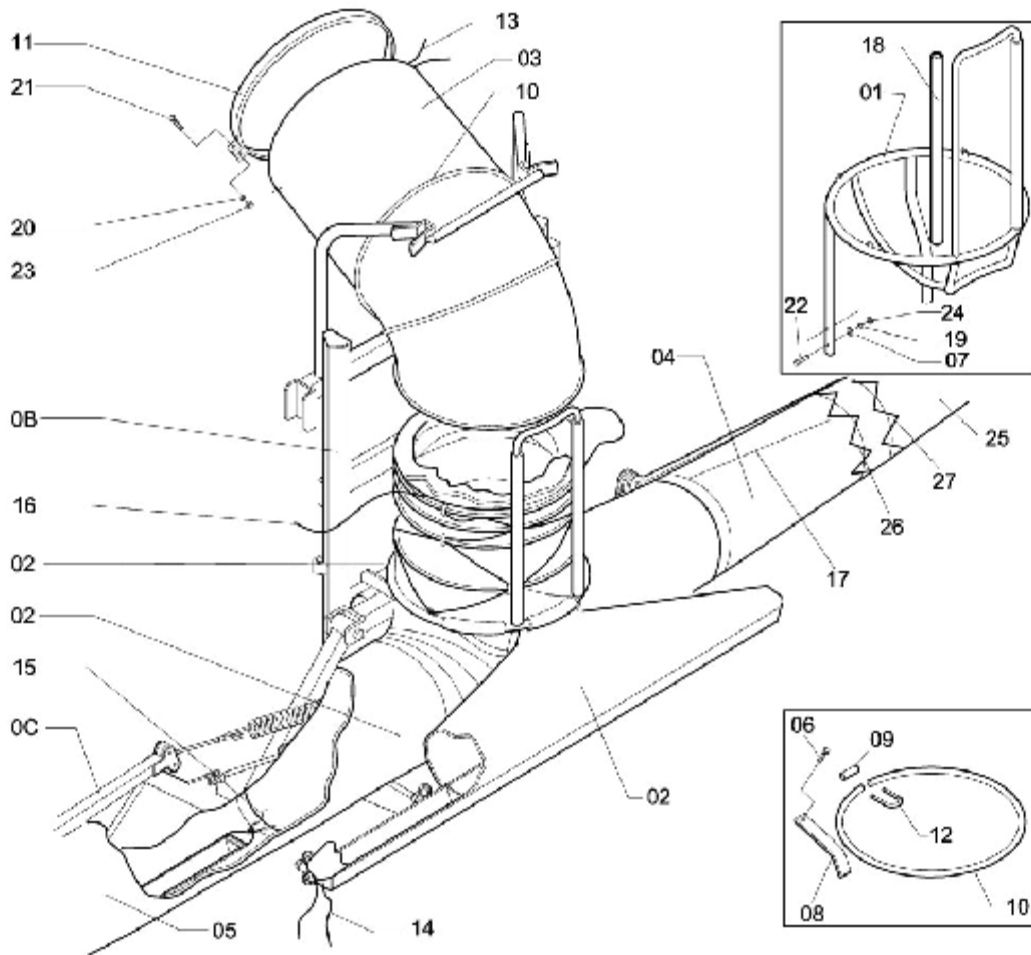
CHASSIS AND COMPLEMENTS



C3P-49

Item	CODE	DESCRIPTION	Qty.	Item	CODE	DESCRIPTION	Qty.
00	670703	Chassis and complements	1				
01	670711	Chassis	1				
02	670943	Platform	1				
03	910117	Lock washer $\varnothing$ 1/4"	5				
04	913665	Hex. head bolt 3/8" - 16 UNC x 1.1/4"	2				
05	670828	Tank fastening crossbeam	1				
06	908517	Bolt 3/8" - 16 UNC x 2.1/2"	3				
07	908566	Lock washer $\varnothing$ 3/8"	12				
08	912774	Hex. nut 3/8" - 16 UNC	12				
09	329763	Bolt 3/8" - 20 UNC X 2.3/4"	2				
10	663161	Bolt 3/8" - 16 UNC x 7/8"	6				
11	852723	Support	1				
12	007229	Bolt 1/4" x 20 UNC x 3/4"	5				
13	870758	Lower coupling pin	2				
14	912741	Nut $\varnothing$ 1/4" - 20 UNC	5				
15	910075	Lock washer $\varnothing$ 1"	2				
16	910430	Nut $\varnothing$ 1" - 13 UNC	2				
17	852699	Rubber protector	1				
18	852715	Protector fastener	1				

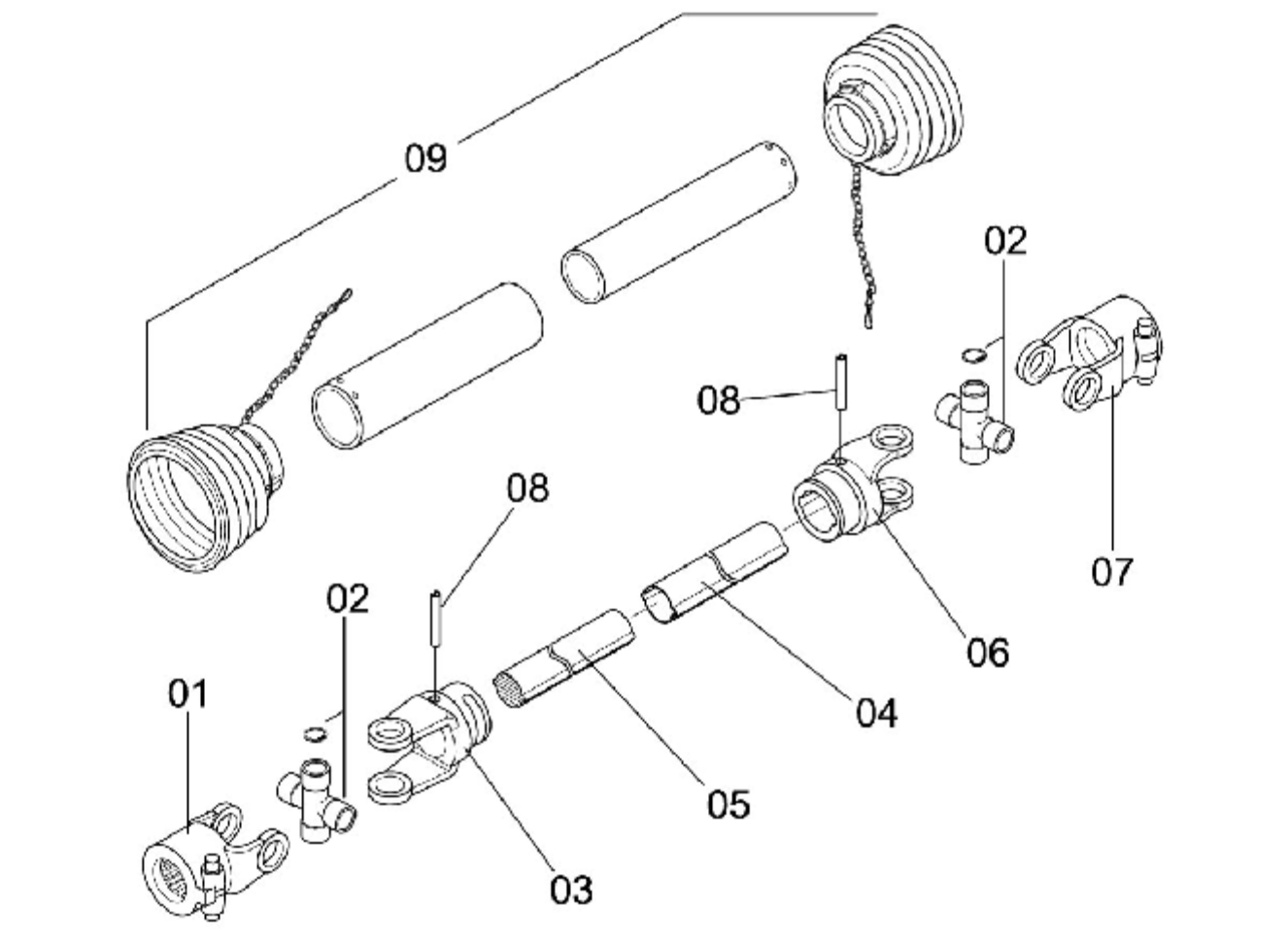
SPRAY APPLICATION ASSEMBLY



CA-56

Item	CODE	DESCRIPTION	Qty.	Item	CODE	DESCRIPTION	Qty.
00	968420	Spray application assembly	1	22	912717	Bolt 3/8" x 16 UNC x 1.3/4"	4
00A	840587	Air duct and complements includes: ref. 01 to 24)	1	23	912758	Hex. nut 5/16" - 18 UNC	1
00B	734681	Frame and complements	1	24	912774	Hex. nut 3/8" - 16 UNC	4
00C	968438	14-meter air assisted boom assembly	1	25	857912	Right leg	1
01	739870	Duct lower support	1	25A	857920	Left leg	1
02	840595	Diffuser	1	26	864249	Elastic 6 x 1600	2
03	857896	Upper duct	1	27	864264	Elastic 6 x 1300	2
04	862698	Duct body I - right	1				
05	864173	Duct body I - left	1				
06	211953	Screw 1/4" - 28 UNF x 1"	2				
07	422436	Flat washer 104 x 254 x 19	4				
08	838771	Support ring bracket	1				
09	839068	Bushing 10 x 40	7				
10	840280	Duct support ring	7				
11	840298	Duct fastening strap	1				
12	840470	Ring clip	3				
13	857987	Cord 4 x 2050	1				
14	857995	Cord 4 x 2650	2				
15	858001	Cord 4 x 3250	8				
16	858068	Elastic 6 x 1200	5				
17	858076	Elastic 6 x 2000	4				
18	858084	Protective hose 3/4" x 700	2				
19	908566	Lock washer Ø 3/8"	4				
20	908640	Lock washer 5/16"	1				
21	910083	Bolt 5/16" x 18 UNC x 1.3/4"	1				

PTO SHAFT

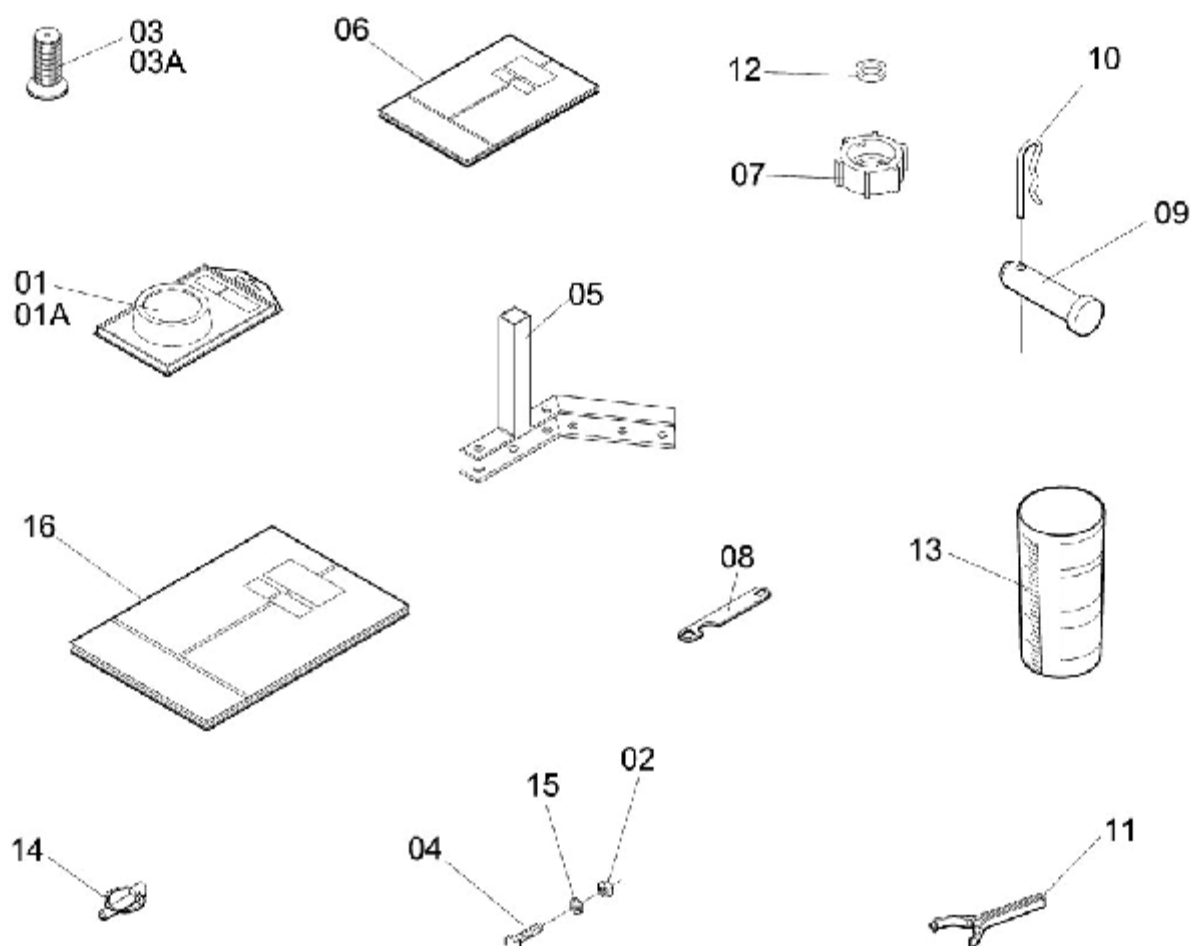


CN-10

Item	CODE	DESCRIPTION	Qty.
00	117424	PTO shaft assembly	1
01	227116	Coupling	1
02	130351	Cross assembly with lock	2
03	227199	Male tube coupling end	1
04	227215	Male tube	1
05	227223	Female tube	1
06	669705	Female tube coupling end	1
07	227124	Coupling end (sprayer end)	1
08	227173	Flexible pin	2
09	431635	PTO shaft shield assembly (plastic)	1

Item	CODE	DESCRIPTION	Qty.

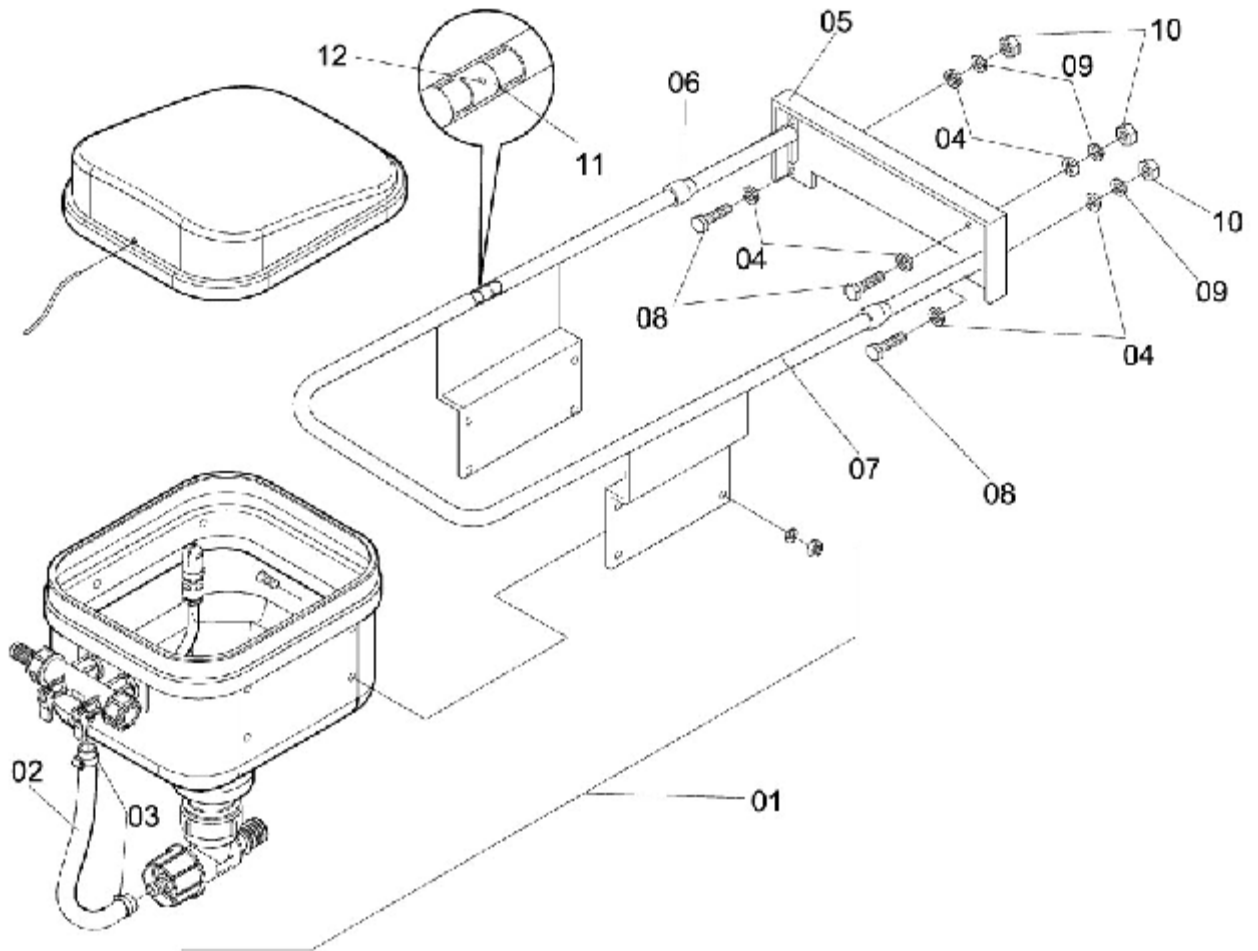
ACCESSORIES BOX



CXA-92

Item	CODE	DESCRIPTION	Qty.	Item	CODE	DESCRIPTION	Qty.
00	734707	Falcon Vortex accessories	1				
01	000026	Cone nozzle JA-2 (black)	29				
01A	838870	Flat fan nozzle APX-110.02	29				
02	912774	Hex. nut 3/8" - 16 UNC	2				
03	439067	Nozzle filter (50 mesh)	29				
03A	439083	Nozzle filter (50 mesh)	29				
04	912709	Bolt ø 3/8" - 16 UNC x 1"	2				
05	716183	Control support	1				
06	136929	Instructions manual-Chemical container rinse nozzle	1				
07	350686	Locking nut	29				
08	436493	Flat fan nozzle aligner	1				
09	517383	Upper coupling pin 1" x 95	1				
10	517409	Cotter pin 3/16"	1				
11	703694	Key 40-45	1				
12	730317	O-ring ø 15 x 09 x 4.55	29				
13	767061	Flow calibrator bottle	1				
14	812636	Universal lock pin 7/16"	2				
15	908566	Lock washer ø 3/8"	2				
16	877308	Operator's manual	1				

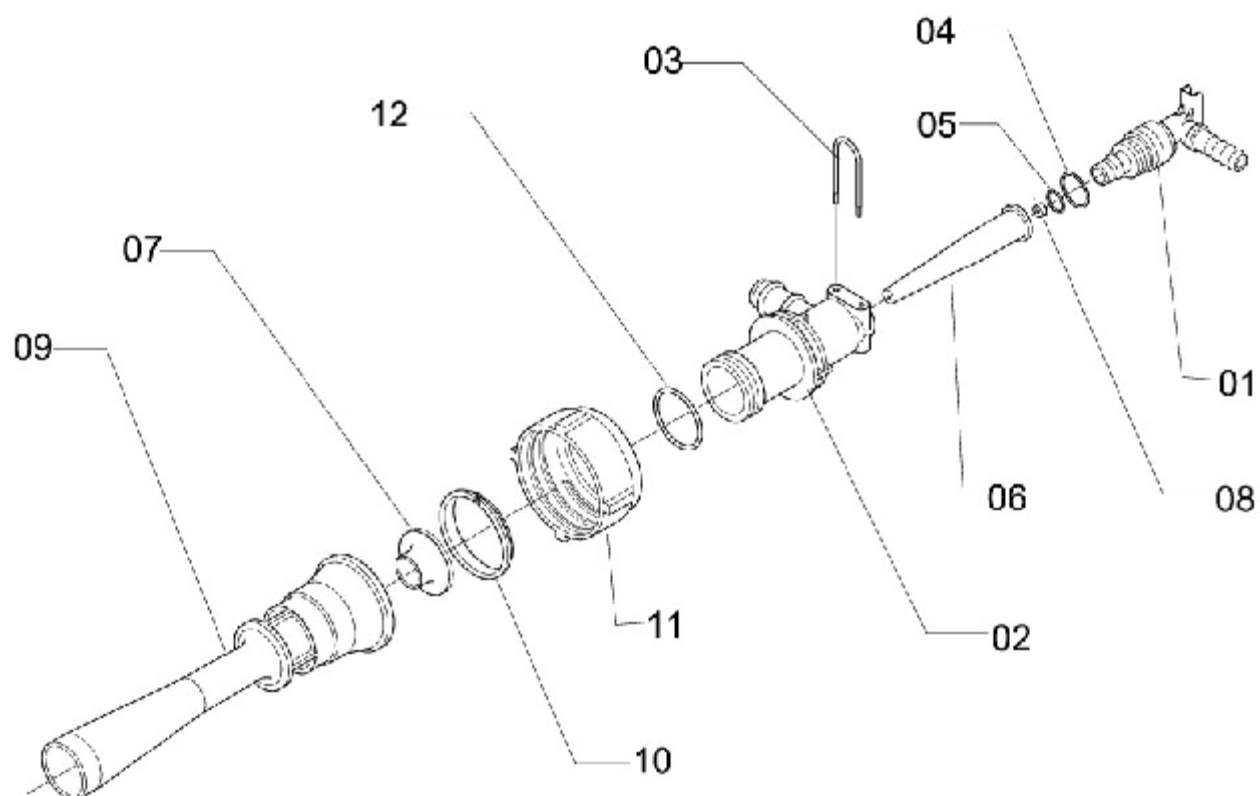
CHEMICAL MIXER KIT



KIT-32

Item	CODE	DESCRIPTION	Qty.	Item	CODE	DESCRIPTION	Qty.
00	055491	Chemicals mixer kit 75/100	1				
01	050898	Chemicals mixer 75/100	1				
03	423814	Clamp D22-32 - stainless steel	2				
04	624130	Flat washer 100 x 180 x 12	8				
05	839795	Chemicals mixer support	1				
06	840116	Bushing $\varnothing$ 45 x 38	2				
07	840223	Sliding support	1				
08	908517	Bolt 3/8" - 16 UNC x 2.1/2"	4				
09	908566	Lock washer $\varnothing$ 3/8"	4				
10	912774	Hex. nut 3/8" - 16 UNC	4				
11	840108	Bushing $\varnothing$ 23 x 30	4				
12	566950	Flexible pin 4 x 22 mm 47	4				

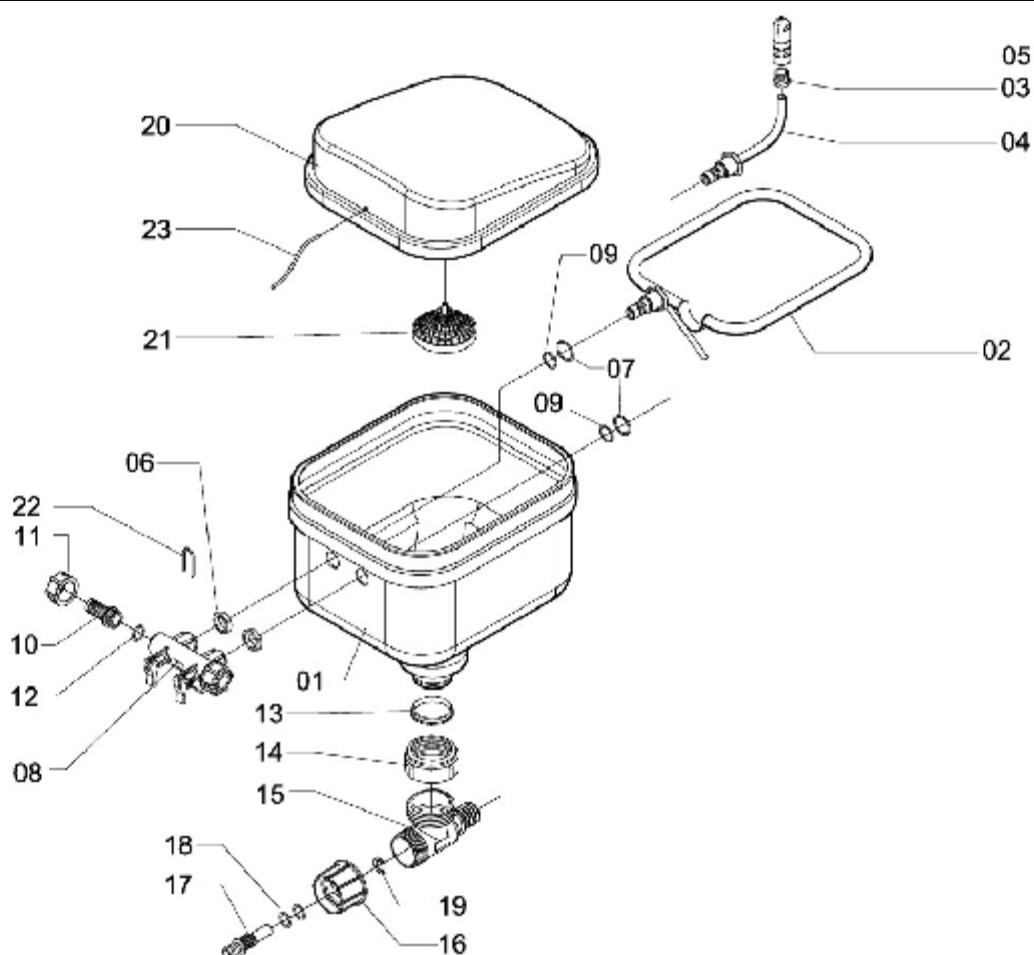
HYDRAULIC AGITATOR



MM-9

Item	CODE	DESCRIPTION	Qty.	Item	CODE	DESCRIPTION	Qty.
00	846600	Hydraulic agitator no. 6	1				
01	764365	Agitator elbow 1/2"	1				
02	764373	Agitator body	1				
03	348789	Lock 22	1				
04	832857	O-ring OR1-115	1				
05	909234	O-ring OR1-013	1				
06	764357	Disc holder	1				
07	846626	Full flow rate disc - 75 liters	1				
08	846618	Agitator disc - ø 1.80 opening	1				
09	764381	Agitator venturi	1				
10	005918	Locking ring	1				
11	005900	Coupling nut	1				
12	106948	O-ring OR1-130	1				

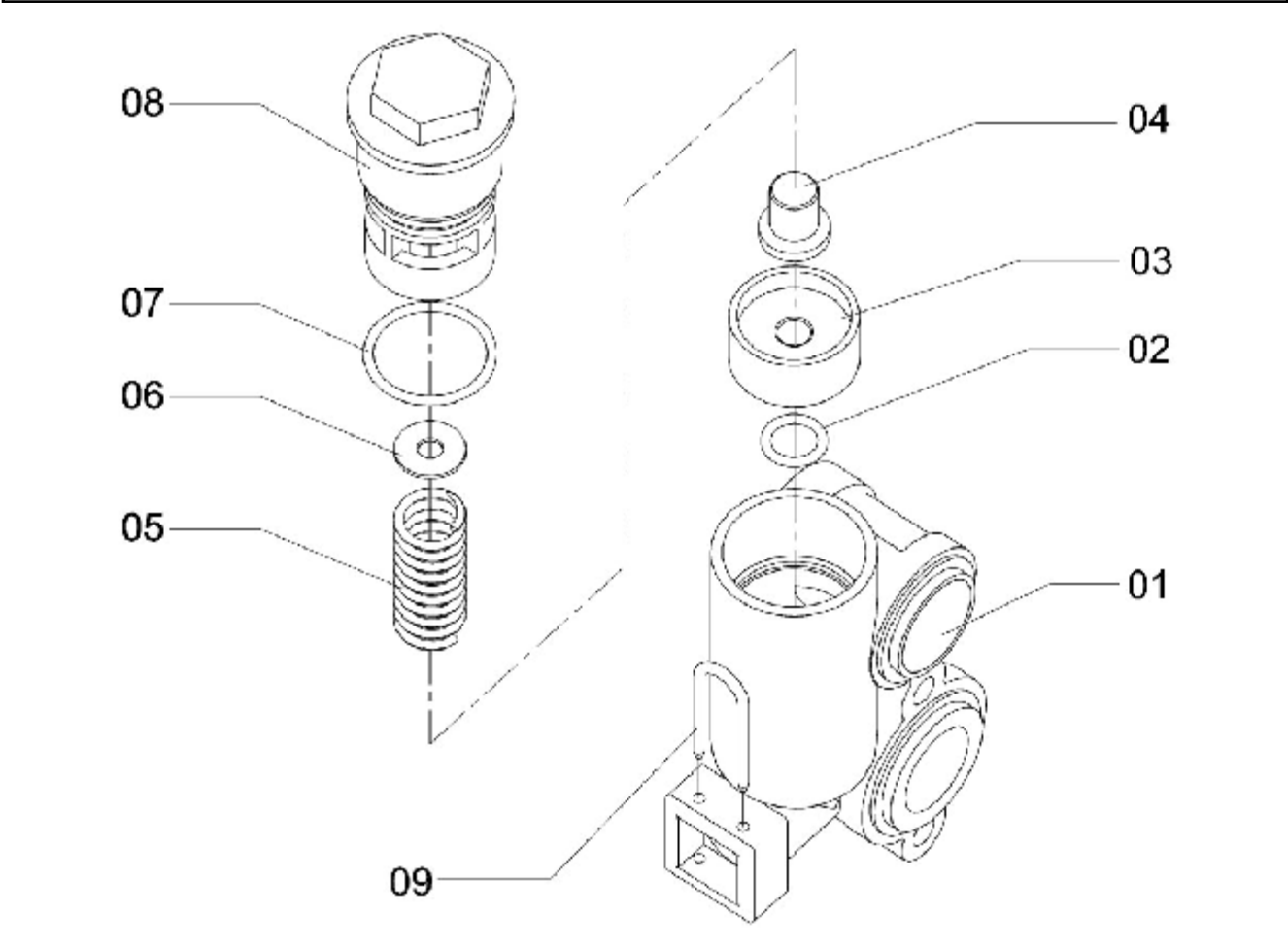
CHEMICALS MIXER KIT



KIT-33

Item	CODE	DESCRIPTION	Qty.	Item	CODE	DESCRIPTION	Qty.
00	088328	Chemicals mixer	1				
01	088302	Chemicals mixer body	1				
02	050658	Chemical induction hopper tube	1				
03	088310	Adaptor 1/2" BSP x 1/2" UNF	1				
04	050591	Rinse nozzle	1				
05	071944	Rinse nozzle	1				
06	615401	Hex. nut 1" - 12 UNF	2				
07	106955	O-ring OR1-120	2				
08	050682	Chemical induction hopper directional valve	1				
09	244459	O-ring OR1-113	2				
10	048165	Nozzle Ø 3/4"	1				
11	867044	Nut for branch outlet	1				
12	110494	O-ring OR1-116	1				
13	005918	Locking ring	1				
14	005900	Coupling nut	1				
15	048454	Venturi body	1				
16	048462	Lid	1				
17	048470	Filler unit nozzle 8.0	1				
18	322057	O-ring ORI-114	2				
19	127290	Lock	1				
20	739888	Chemicals mixer cover	1				
21	614941	Sieve	1				
22	050229	U-shaped clamp 180 x 30	2				
23	717496	Cord- Ø 4.00 x 300	1				

SAFETY VALVE

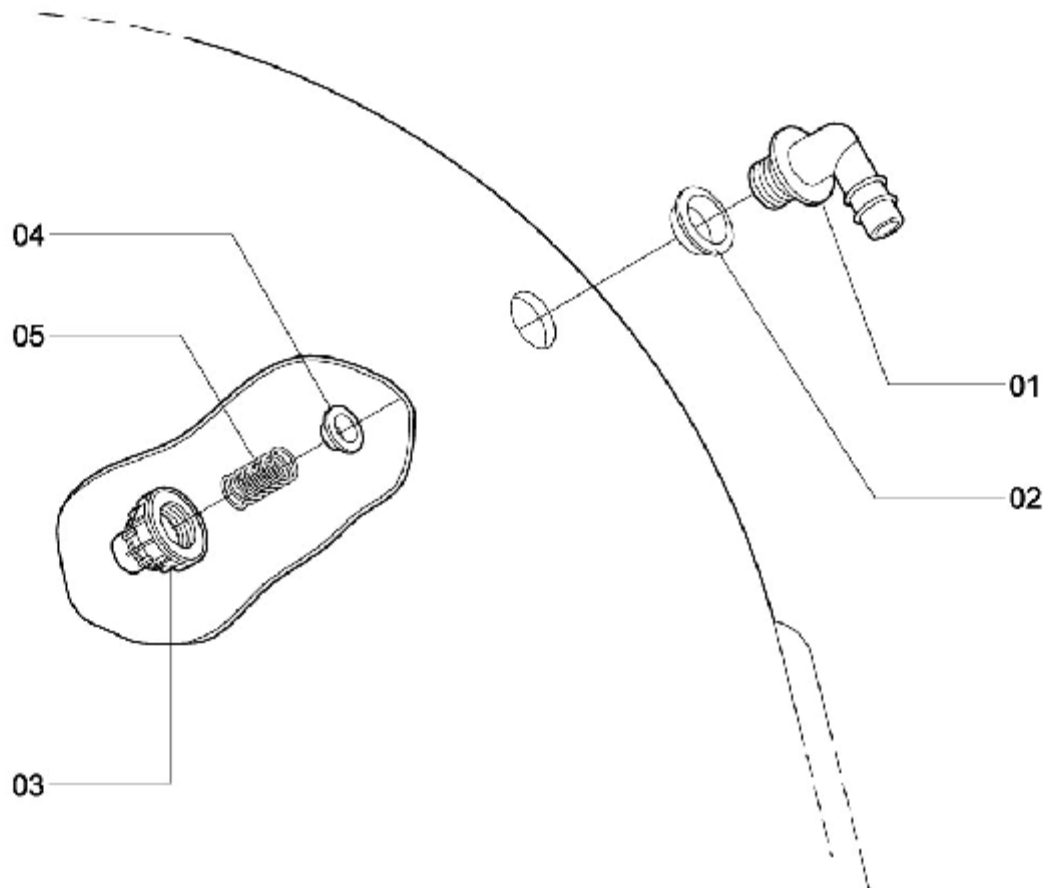


CV-85

Item	CODE	DESCRIPTION	Qty.
00	998138	Safety valve	1
01	866236	Safety valve body	1
02	325290	O-ring OR1-112	1
03	868364	Safety valve seat	1
04	985127	Seal cell	1
05	422600	Compression spring	1
06	712554	Flat washer 68 x 160 x 12.4	1
07	928754	O-ring OR2-123	1
08	866244	Safety valve cover	1
09	868646	Pressure gauge U-shaped clamp	1

Item	CODE	DESCRIPTION	Qty.

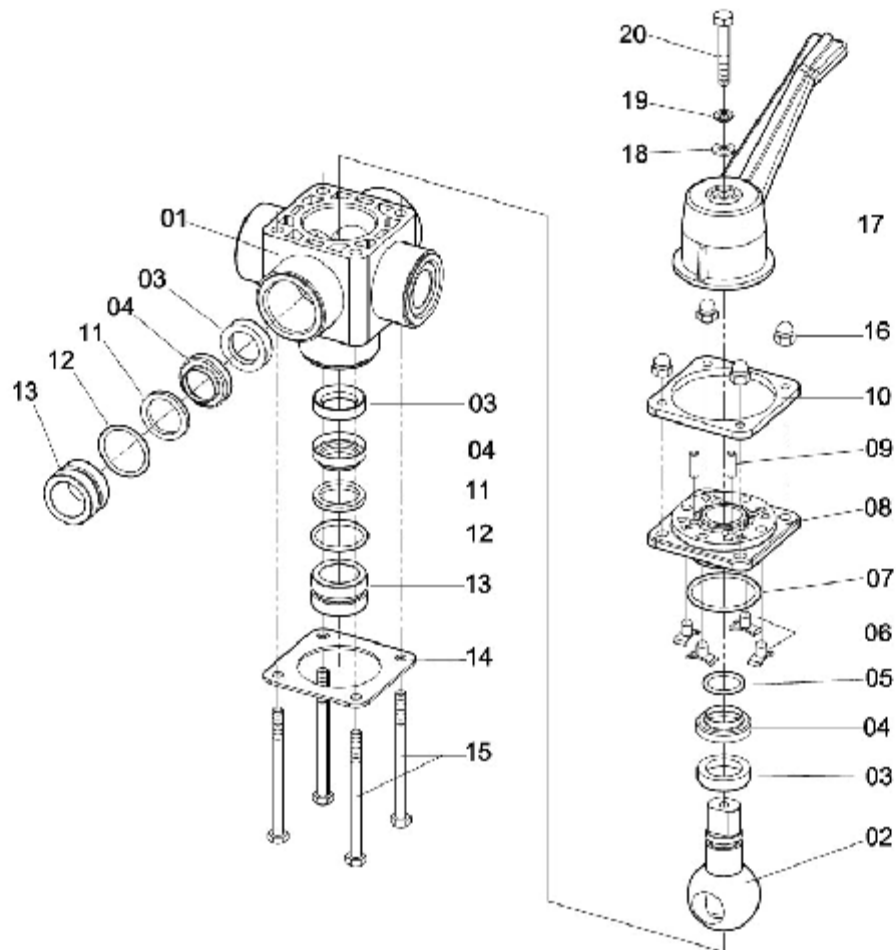
CHEMICAL MIXER NONRETURN VALVE



CV-99

Item	CODE	DESCRIPTION	Qty.	Item	CODE	DESCRIPTION	Qty.
00	573626	Chemicals mixer nonreturn valve	1				
01	573618	Elbow 1.1/4" BSP x 90°	1				
02	573634	Double seal	1				
03	573691	Valve base	1				
04	573683	Spring guide	1				
05	535831	Compression spring	1				

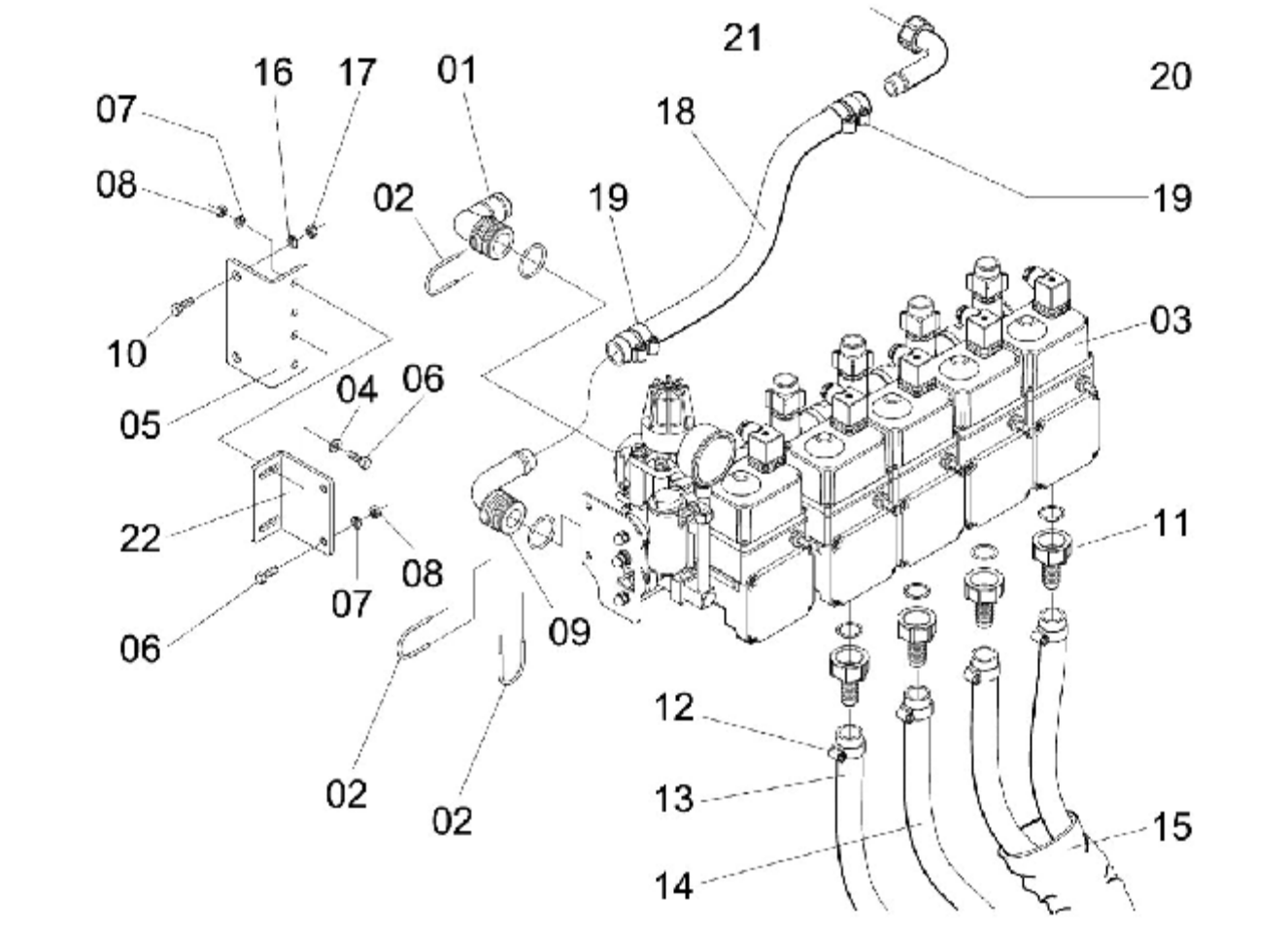
5-WAY VALVE



CV-93

Item	CODE	DESCRIPTION	Qty.	Item	CODE	DESCRIPTION	Qty.
00	992040	5-way valve assembly	1				
01	047860	5-way valve body	1				
02	989392	Spherical valve core	1				
03	982744	Seal seat	6				
04	982736	Sleeve (teflon)	6				
05	955591	O-ring OR2-114	1				
06	047878	Stop spring	4				
07	750836	O-ring OR1- 126	1				
08	047886	Valve cover	1				
09	048132	Stop pin	2				
10	990309	Fastening plate	1				
11	010827	Packing ring $\varnothing$ 29 x 22 x 3.00	5				
12	106955	O-ring OR1-120	5				
13	860080	Quick relief seat bushing	5				
14	990317	Supporting plate	1				
15	049767	Bolt M-6 x 80 x 1.00	4				
16	049775	Nut M-6 x 1.00	4				
17	047894	Lever	1				
18	358267	Flat washer 64 x 125 x 16	1				
19	521666	Lock washer 6	1				
20	566778	Hex. bolt M-6 x 35 x 1.00	1				

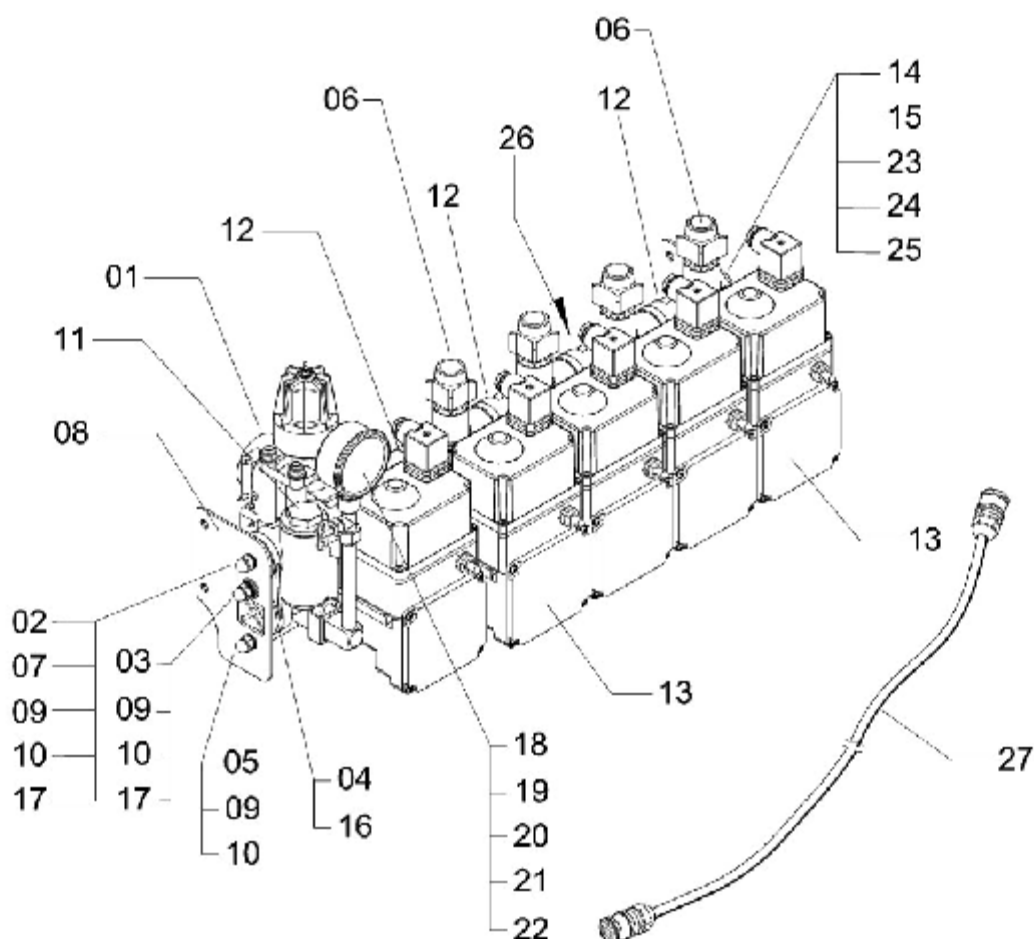
CHEMICAL CONTROL AND COMPLEMENTS



CV-114

Item	CODE	DESCRIPTION	Qty.	Item	CODE	DESCRIPTION	Qty.
00	055129	Control assembly - MF-EL/4 ways and support	1				
01	989053	Curve nozzle 1.1/4" x 90°	1				
02	868372	Nozzles U-shaped clamp	3				
03	983668	ELECTRIC MASTERFLOW CONTROL					
04	501478	Flat washer 83 x 170 x 15	4				
05	054981	Control support	2				
06	917419	Hex. head bolt 5/16" - 18 UNC x 1"	8				
07	519736	Lock washer 8	8				
08	912758	Hex. nut 5/16" - 18 UNC	8				
09	989087	Hose fitting 1"	1				
10	912709	Bolt ø 3/8" - 16 UNC x 1"	4				
11	867093	Fitting Ø 3/4" with flange Ø 23.6	4				
12	107664	Clamp D14-22 - stainless steel	8				
13	243154	Hose ø 1/2" x 2600	2				
14	976795	Hose 1/2" x 3650	2				
15	058396	Protective hose 2" x 1400	2				
16	908566	Lock washer ø 3/8"	4				
17	912774	Hex. nut 3/8" - 16 UNC	4				
18	058388	Hose MBP-16 - 1" x 260	1				
19	330969	Clamp D25-38 - stainless steel	4				
20	992172	Curve nozzle 1" x 90°	1				
21	989426	Fitting fastening nut	1				
22	097691	L sheet	2				

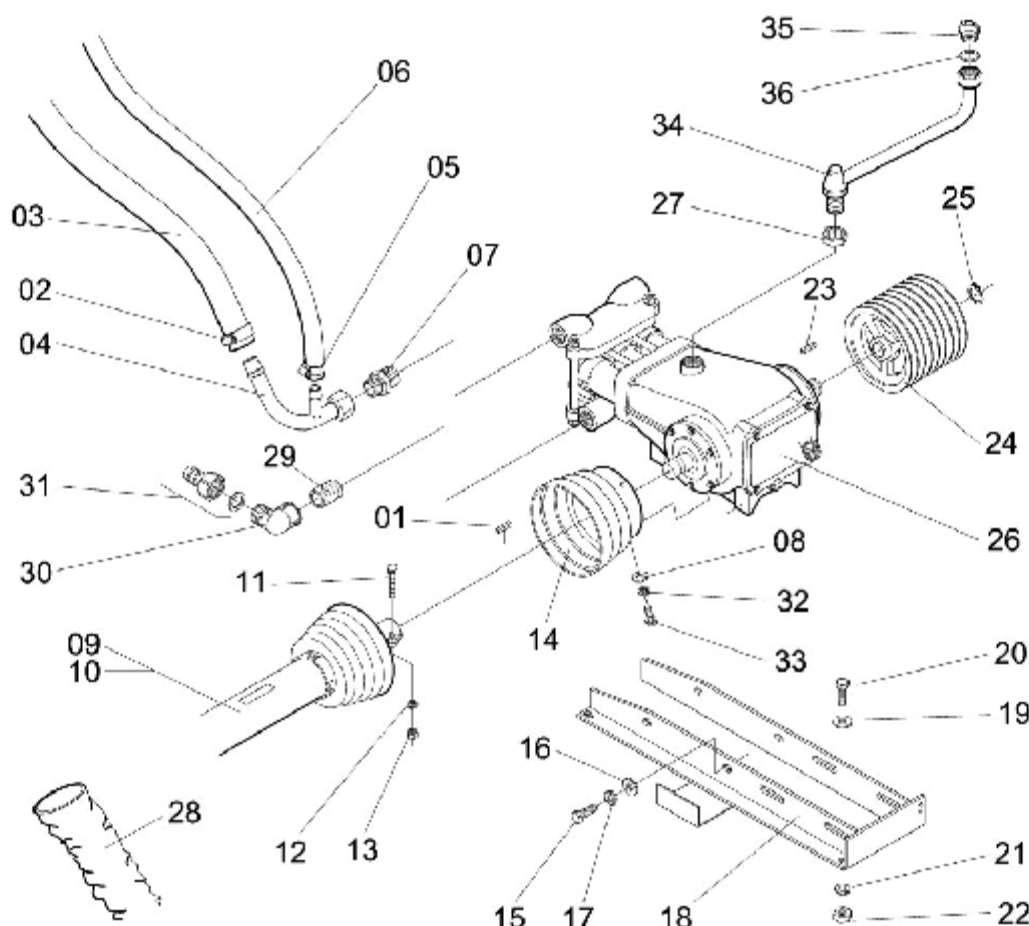
MASTERFLOW ELETRIC CONTROL



CV-115

Item	CODE	DESCRIPTION	Qty.	Item	CODE	DESCRIPTION	Qty.
00	983668	ELECTRIC MASTERFLOW CONTROL	1	26	053967	Electric control cable	1
01	999979	Quick relief assembly	1	27	059014	Identification plate	1
02	731521	O-ring OR1 - 124	11		044040		1
03	648170	O-ring OR1-128	11				
04	866012	Left cover	1				
05	866053	Stud bolt	3				
06	998161	Control branch assembly	4				
07	322040	O-ring ORI-011	2				
08	983486	Control support	2				
09	945832	Hex. box nut	6				
10	519736	Lock washer 8	6				
11	998138	Safety valve	1				
12	860114	Spacer	4				
13	998195	Reduction box	5				
14	865907	Semi-clamp	5				
15	866079	Semiclamps	5				
16	866004	Right cover	1				
17	013433	Flat washer 82 x 150 x 12	4				
18	325290	O-ring OR1-112	1				
19	868638	Pressure gauge support pin	1				
20	849059	Pressure gauge extension	1				
21	507319	Needle valve for pressure gauge	1				
22	427823	Pressure gauge (glycerin-filled)	1				
23	444109	Hex. nut M5 x 0.8	10				
24	998179	Snap ring	10				
25	444810	Screw M-5 x 20 x 0.8	10				

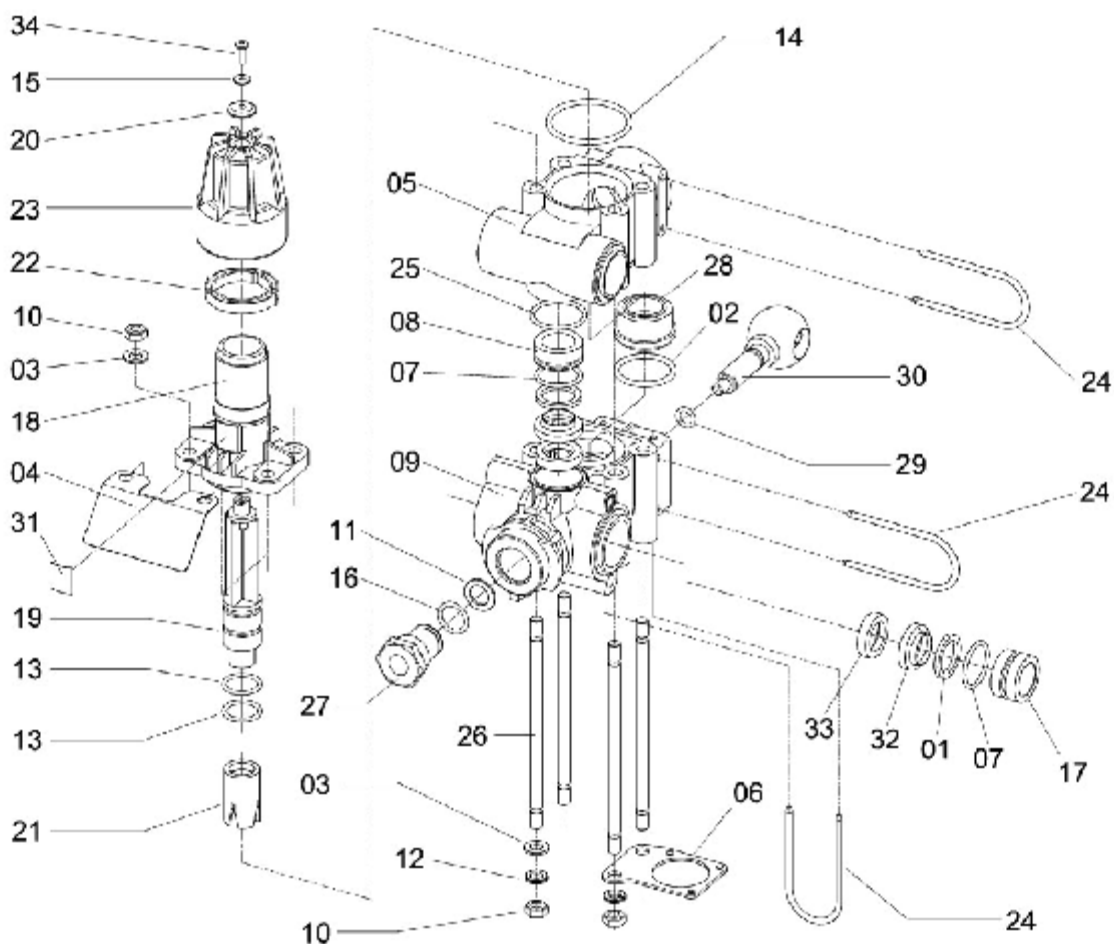
PUMP AND COMPLEMENTS



B-43

Item	CODE	DESCRIPTION	Qty.	Item	CODE	DESCRIPTION	Qty.
00	058560	JP-75 pump/PTO shaft/Pulley assembly	1	25	209569	Snap ring for shaft 50	1
01	108936	Square key 3/8" x 35	1	26	839548	Pump JP-75-F	1
02	423814	Clamp D22-32 - stainless steel	2	27	715730	Cotter pin 3/4" BSP x 14 BSP	1
03	559351	Hose 3/4" x 750	1	28	058420	Protective hose 2.1/2" x 460	1
04	062315	Double fitting elbow 3/4" x 1/2" 90 degrees	1	29	202861	Nipple 1" BSP - 11 F.P.P.	1
05	107664	Clamp D14-22 - stainless steel	2	30	902817	Male/female elbow 1" BSP x 90 degrees	1
06	062463	Hose 1/2" x 1300	1	31	111518	Hose fitting 1" with nut 1"	1
07	058669	Fitting 1" x 3/4" - BSP	1	32	910117	Lock washer ø 1/4"	7
08	413468	Flat washer 68 x 190 x 12.1	3	33	007229	Bolt 1/4" x 20 UNC x 3/4"	3
09	117424	PTO shaft assembly	1	34	221655	Oil filling tube	1
10	428631	Sticker: Pto shaft instructions	1	35	356519	Plug 3/4" - 14 BSP	1
11	626242	Bolt M-12 x 80 x 1.75	1	36	012724	O-ring ORI-119	1
12	209163	Lock washer ø 12	1				
13	427013	Nut ABTN - 1020 thread M12 x 1,50	1				
14	118224	Cross shield	1				
15	108332	Hex. bolt 1/2" - 13 UNC x 1.1/4"	8				
16	418152	Flat washer 132 x 258 x 26.5	8				
17	908582	Lock washer 1/2"	8				
18	671339	Pump base	1				
19	416735	Flat washer 100 x 260 x 30	4				
20	908517	Bolt 3/8" - 16 UNC x 2.1/2"	4				
21	908566	Lock washer ø 3/8"	6				
22	912774	Hex. nut 3/8" - 16 UNC	4				
23	521765	Square key 3/8" - 50	1				
24	985713	Pulley 332-8-V	1				

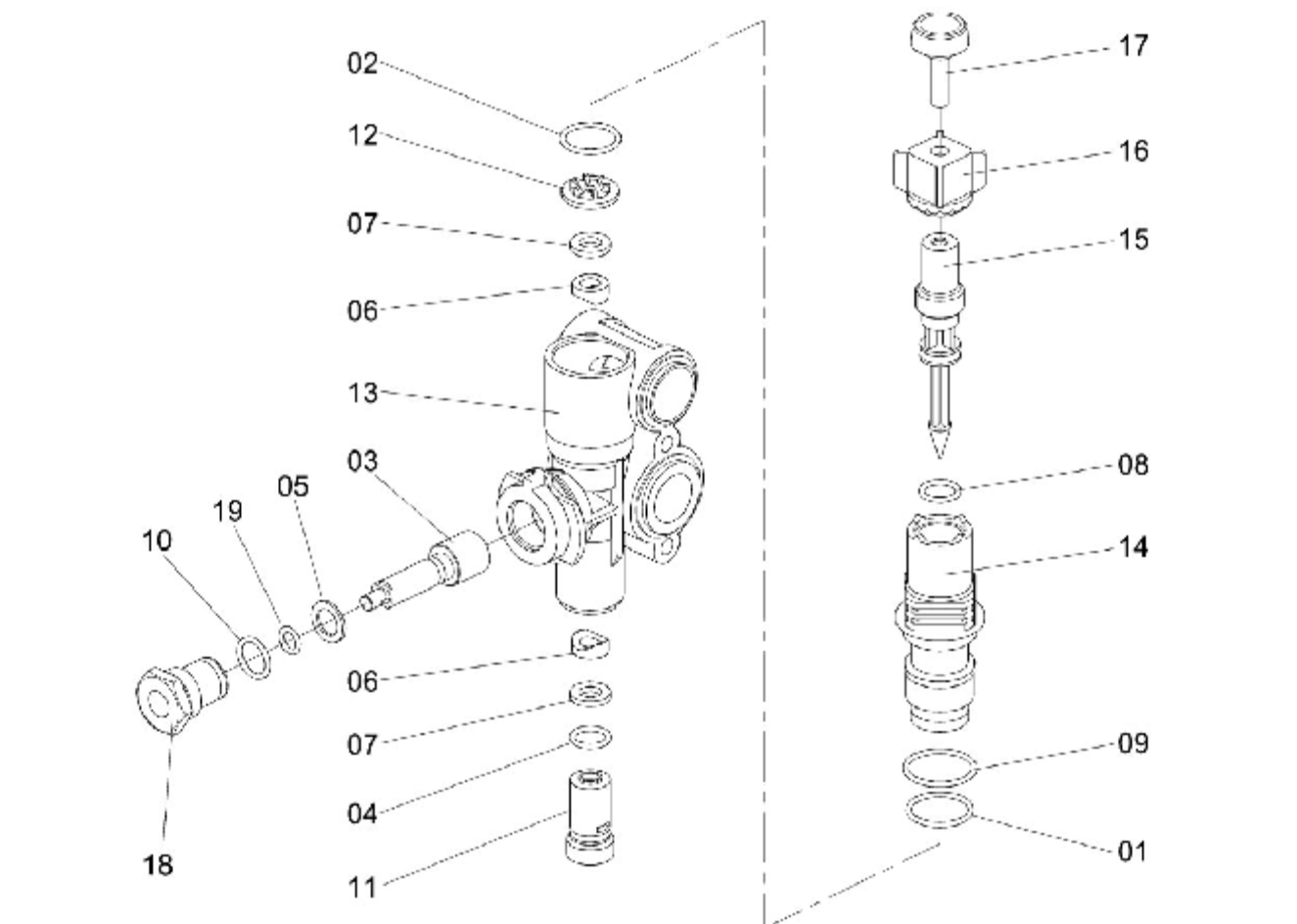
QUICK RELIEF (CONTROL)



CV-118

Item	CODE	DESCRIPTION	Qty.	Item	CODE	DESCRIPTION	Qty.
00	999979	Quick relief assembly	1	26	945907	Stud bolt M8 x 1.25 x 156	4
01	010827	Packing ring 29 x 22 x 3.00	3	27	946079	Core seat	1
02	011593	O-ring OR1-219	1	28	946145	Valve seat	1
03	013433	Flat washer 82 x 150 x 12	6	29	955617	O-ring OR2-110	1
04	044040	Identification plate	1	30	974154	Quick relief spherical core	1
05	049494	Quick relief body	1	31	980250	Identification plate	1
06	049551	Connector support	1	32	982736	Sleeve (teflon)	3
07	106955	O-ring OR1-120	3	33	982744	Seal seat	3
08	165274	Seat bushing	1	34	997171	Flanged head screw 3.5 x 14	1
09	165811	Body base	1				
10	221648	Hex. nut M8 x 1.25 - stainless steel	8				
11	414748	O-ring ø 22 x 1.5	1				
12	519736	Lock washer 8	4				
13	531806	O-ring OR1-117	2				
14	735282	O-ring OR2-225	1				
15	762088	Flat washer 37 x 110 x 8	1				
16	832857	O-ring OR1-115	1				
17	860080	Quick relief seat bushing	2				
18	861468	Pressure regulator cylinder	1				
19	861476	Pressure regulator cylinder rod	1				
20	861484	Rod locking washer	1				
21	861492	Regulator body	1				
22	861500	Pressure regulator lock spring	1				
23	861518	Manual pressure regulator knob	1				
24	868372	Nozzles U-shaped clamp	3				
25	881839	O-ring OR2-124	1				

BRANCH ASSEMBLY (CONTROL)

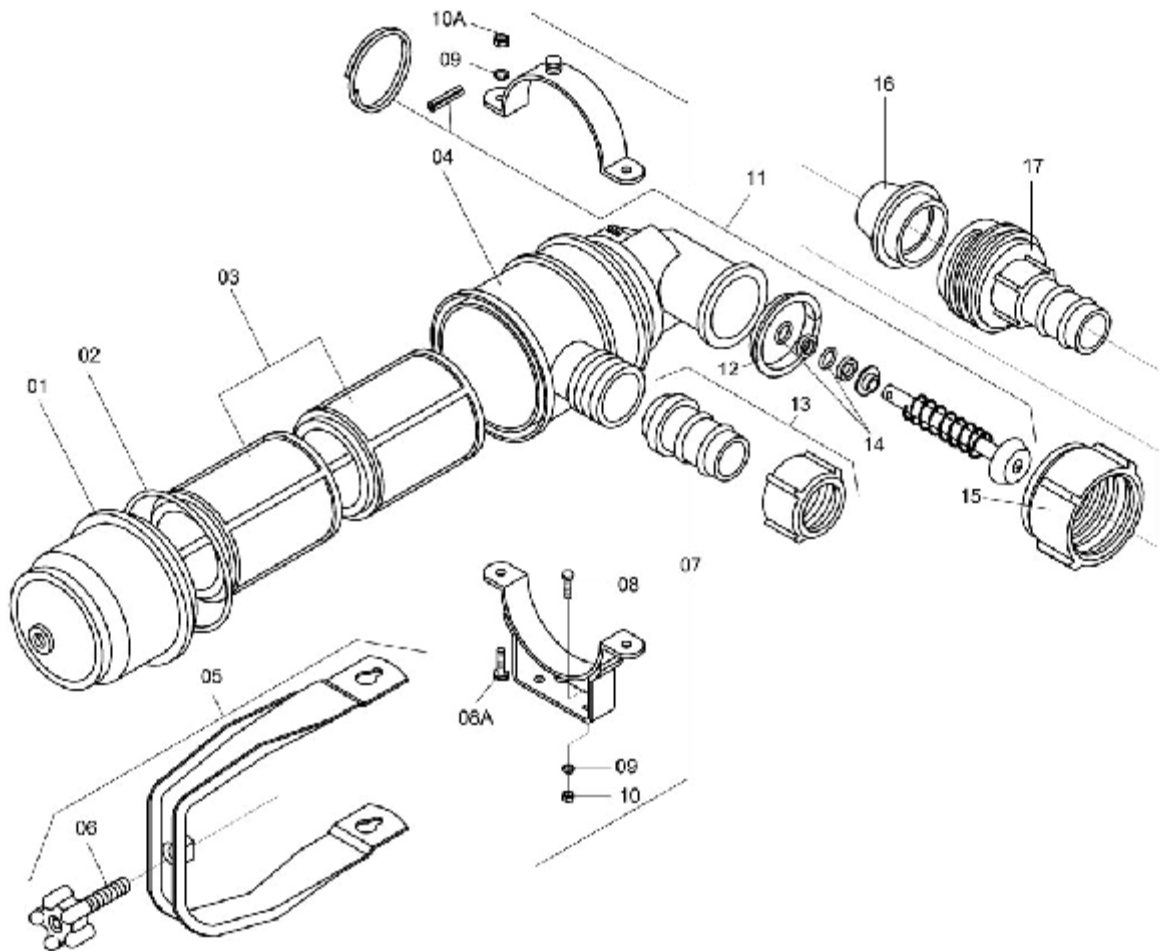


CV-116

Item	CODE	DESCRIPTION	Qty.
00	998161	Control branch assembly	1
01	011668	O-ring OR1-122	1
02	106955	O-ring OR1-120	1
03	148155	Branch ball core with pin	1
04	322057	O-ring ORI-114	1
05	414748	O-ring Ø 22 x 1.5	1
06	414763	Seal seat Ø 18	2
07	414771	O-ring Ø 20 x 11 x 3.0	2
08	706796	O-ring OR1-114	1
09	731521	O-ring OR1 - 124	1
10	832857	O-ring OR1-115	1
11	860064	Outlet nipple bushing	1
12	860098	Cell	1
13	180414	Branch body	1
14	944876	Fastener	1
15	944892	Needle assembly	1
16	944900	Grip	1
17	945998	Bolt M8 x 30 x 1.25	1
18	946079	Core seat	1
19	955617	O-ring OR2-110	1

Item	CODE	DESCRIPTION	Qty.

SUCTION FILTER 100



F-1

Item	CODE	DESCRIPTION	Qty.	Item	CODE	DESCRIPTION	Qty.
00	005777	Filter FVS-100	1				
01	005793	Filter cover	1				
02	012138	O-ring ORI - 241	1				
03	012492	Double filtering element	1				
04	005785	Filter body	1				
05	110866	Handle	1				
06	011734	Knobbed screw	1				
07	107904	Strap with support	1				
08	910489	Bolt $\varnothing$ 1/4" 28 - UNF x 5/8"	2				
08A	007229	Bolt 1/4" x 20 UNC x 3/4"	2				
09	910117	Lock washer $\varnothing$ 1/4"	2				
10	910125	Nut $\varnothing$ 1/4"- 28 UNF	2				
10A	912741	Nut $\varnothing$ 1/4" - 20 UNC	2				
11	005942	Filter valve assembly	1				
12	005918	Locking ring	1				
13	015438	Hose fitting $\varnothing$ 1" with nut	1				
14	416669	O-ring OR1-110	2				
15	005900	Coupling nut	1				
16	005934	Valve seat	1				
17	325845	Extension for hose $\varnothing$ 1"	1				