



NORTH STARTM
WATER TREATMENT SYSTEMS

REPAIR PARTS LIST

COMMERCIAL SERIES

- Models currently being manufactured
- Models discontinued up to 10 years ago

Part numbers in this listing were current on the printing date, and are subject to change without notice. North Star Water Conditioning Systems reserves the right to obsolete parts, or to substitute, if available, at any time.

Please refer to prior Repair Parts Lists or Owner's Manuals for part numbers of older parts if not shown in this listing.



Designed, Engineered &
Assembled in the U.S.A.

North Star Water Treatment Systems
1890 Woodlane Drive
Woodbury, MN 55125
www.northstarwater.com

Part No. 7382958 (Rev. 9/1/22)

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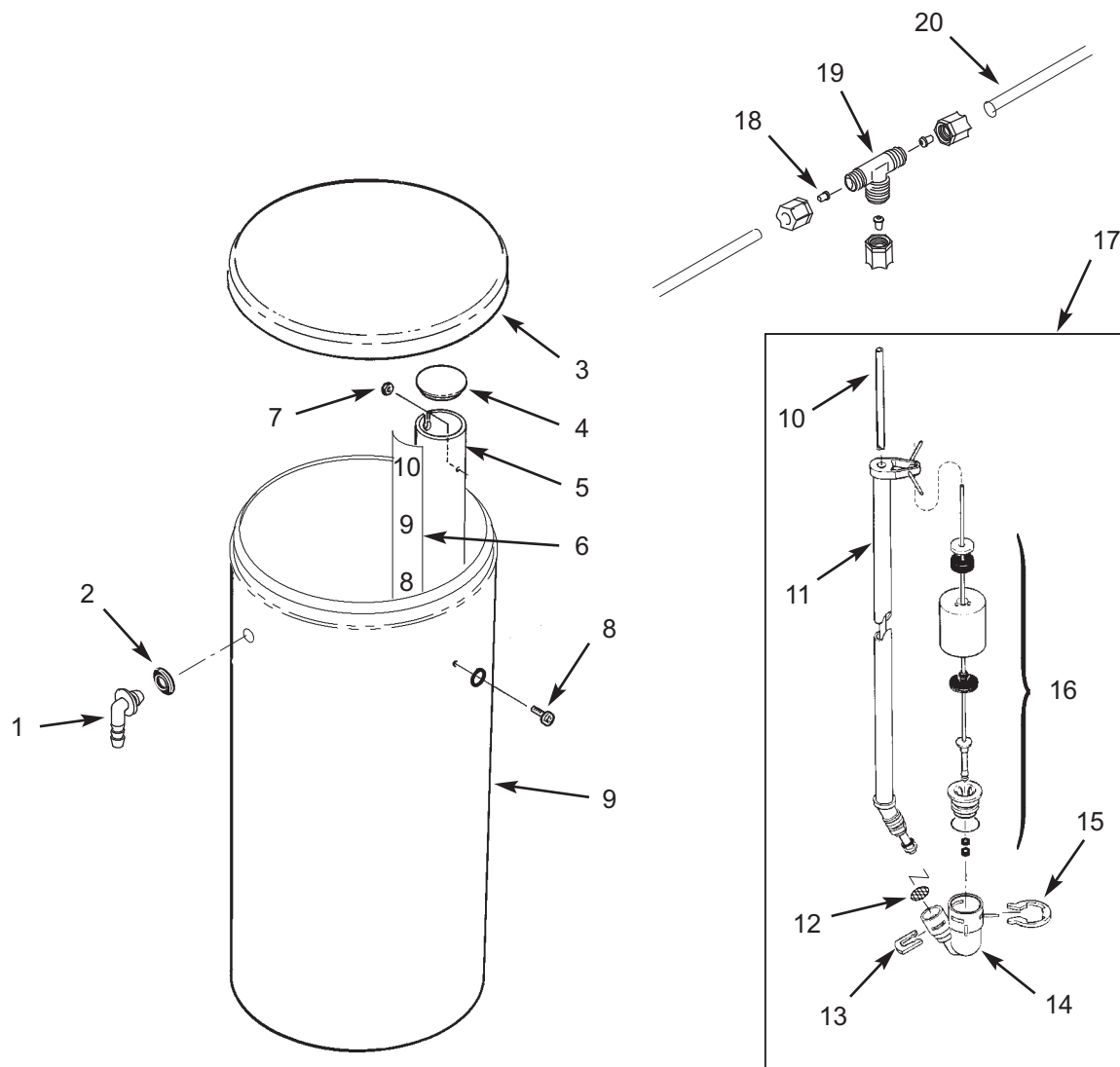
Water Softeners & Filters, 1-1/2" Valve

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BRINE TANKS - MODELS PA051 & PA071

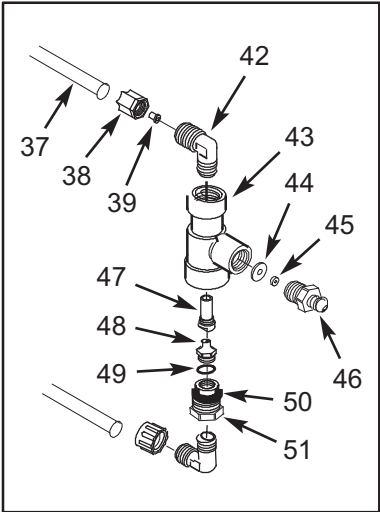
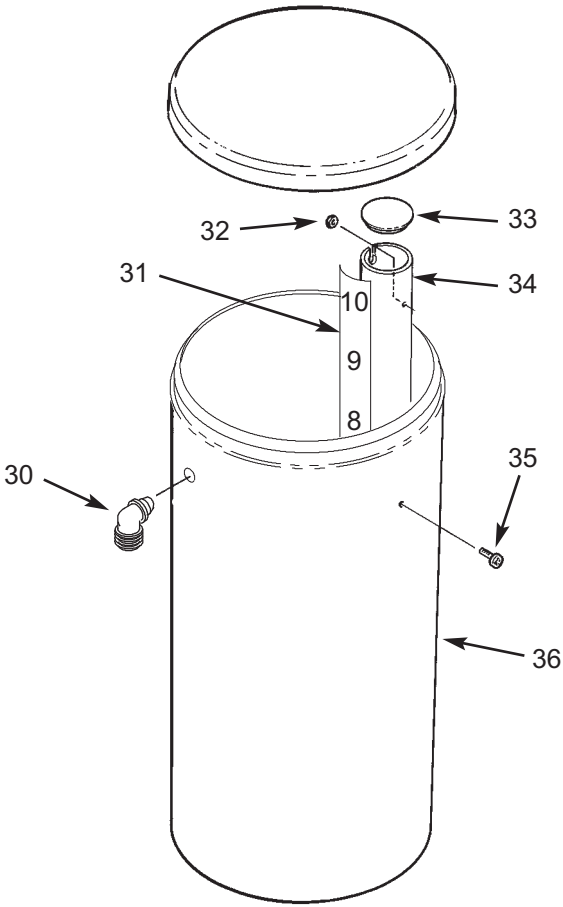


Key No.	Part No.	Description
1	1103200	Tubing Adaptor
2	9003500	Grommet
3	7180437	Brine Tank Cover
4	7155115	Cover, Brinewell
5	7109871	Brinewell
6	7243853	Decal, Brinewell
7	7082150	Nut, 1/4-20
8	7148875	Screw, 1/4-20 x 5/8"
9	7112612	Brine Tank (includes Key Nos. 5, 7 & 8)
10	7113016	Tube Assembly, Brine Valve
11	7221746	Brine Tube
12	7131365	Screen
13	7142942	Clip

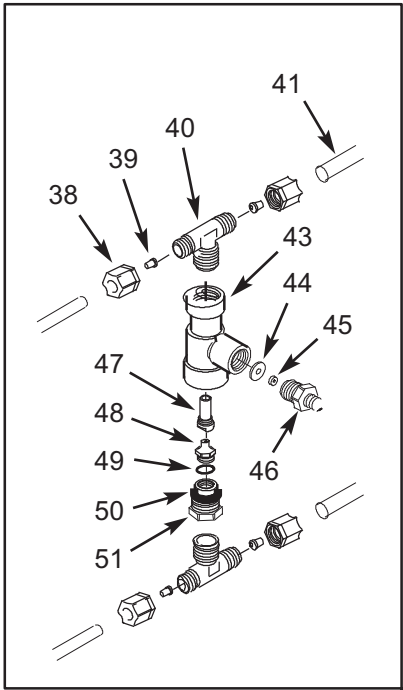
Key No.	Part No.	Description
14	7308881	Brine Valve Body
15	7116713	Clip
16	7327568	Float, Stem & Guide Assembly
17	7310210	Brine Valve Assembly (includes Key Nos. 9-15)

MULTIPLE TANK SYSTEMS		
18	7094979	Insert, Tubing (3 req.)
19	7056612	Tee, Tubing (5/16")
20	7161807	Tubing, 5/16" O.D. x 20 ft.
	7161768	Tubing, 5/16" O.D. x 100 ft.

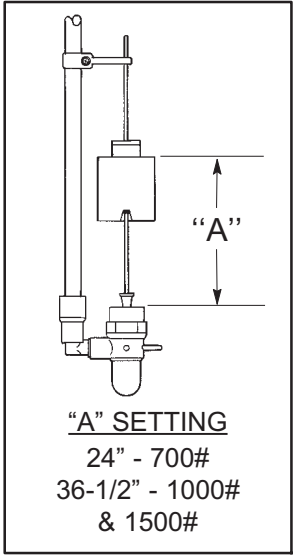
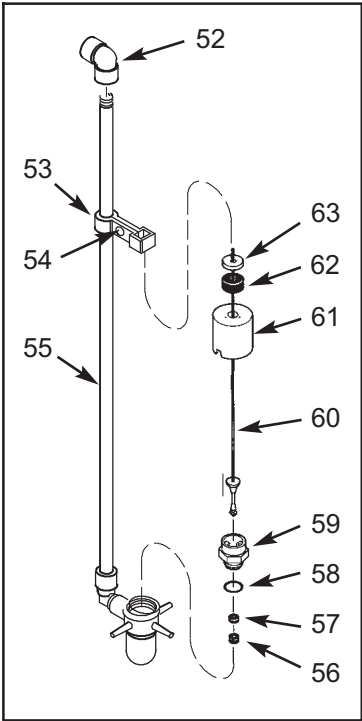
BRINE TANKS - ALL OTHER MODELS



SINGLE SYSTEMS



MULTIPLE SYSTEMS



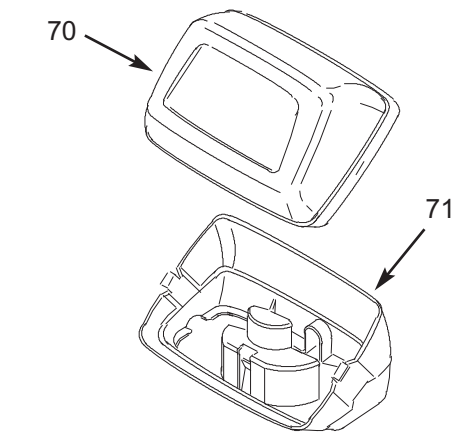
REPAIR PARTS LIST

Key No.	Part No.	Description
30	0523819	Drain Elbow
31	7243853	Decal, Brinewell
32	7082150	Nut, 1/4-20
33	7222051	Cover, Brinewell
34	0980062	Brinewell, 41" high tank
	0980067	Brinewell, 50" & 51" high tanks
35	7178634	Screw, 1/4" -20 x 5/8"
36	7227027	Brine Tank (w/cover) 24" x 50"
	7227035	Brine Tank (w/cover) 31" x 51"
37	7168435	Tubing, 3/8" x 72" long
38	9003203	Nut, 3/8" (2 req.)
39	7131349	Tubing Insert (2 req.)
40	7226966	Tee, 3/8 NPT x 3/8" Tube (2 req.)
41	7092781	Tubing, 3/8" x 10 ft. (4 req.)
42	9004503	Elbow (2 req.)
43	1109600	Housing, Nozzle & Venturi
44	1135200	Seal Disc
45	7128396	Flow Plug, 0.5 gpm
46	7128401	Bushing, 1/2" NPT (incl. Key Nos. 44 & 45)
47	7126645	Venturi, Almond, PA 101 & 131
	7127772	Venturi, Gray, PA 191, 251 & 321

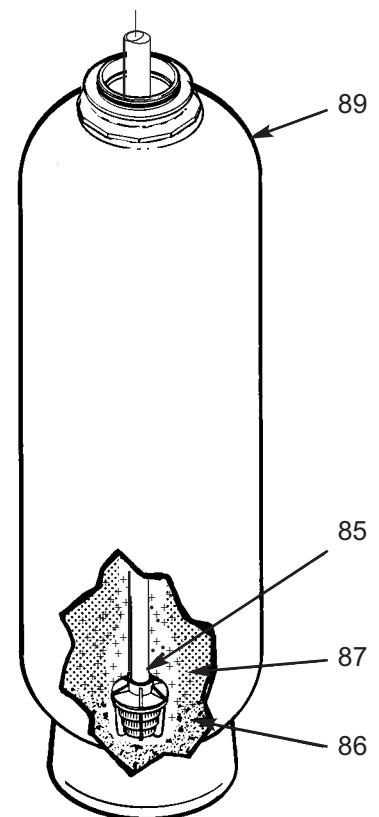
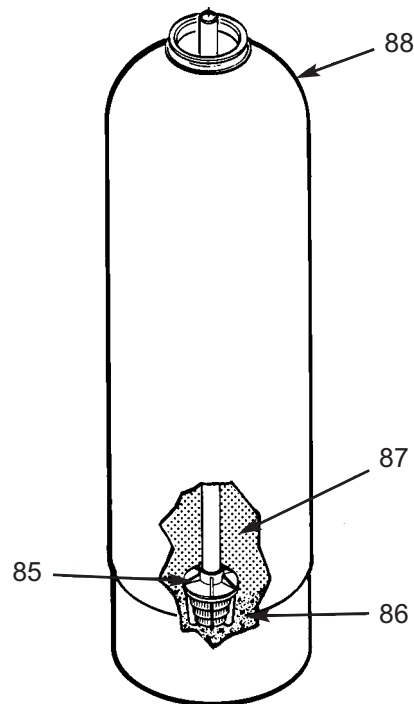
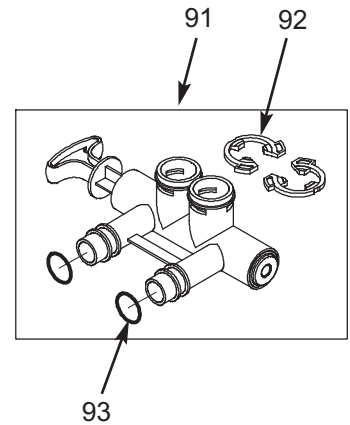
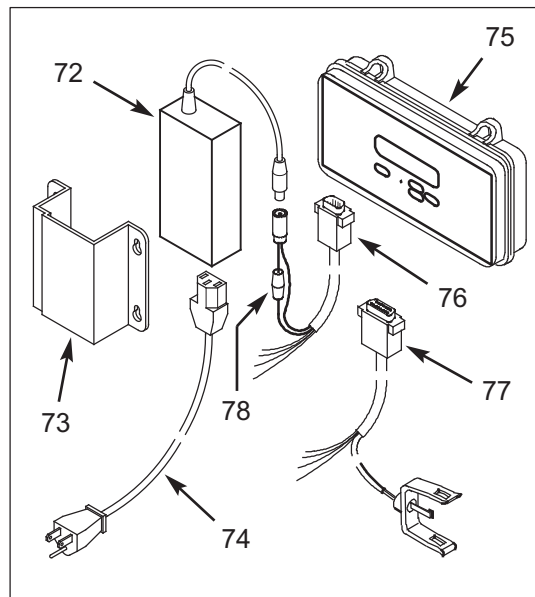
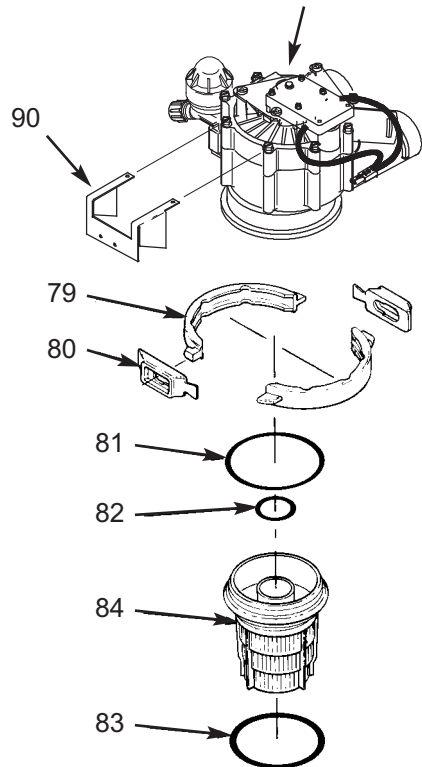
Key No.	Part No.	Description
48	7126637	Nozzle, White, PA 101 & 131
	7127764	Nozzle, Gray, PA 191, 251 & 321
49	0900060	O-Ring, 7/16" x 9/16"
50	7170327	O-Ring, 5/8" x 13/16"
51	1109700	Nozzle Housing
52	9007700	Elbow, 1/2" NPT
53	1112200	Float Rod Guide
54	9006071	Screw, #6-20 x 7/8"
55	7234595	Rep'l Riser Pipe & Elbow Assembly
56	0516924	Retainer, Bottom Seal
57	0516211	Bottom Seal
58	9000804	O-Ring, 7/8" x 1"
59	0517030	Brine Valve Nut
60	2174500	Float Rod & Stem
61	2220300	Float Assembly
62	0513860	Float Stop
63	7168647	Ceramic Washer
■	7231254	Brine Valve Asm. (includes Key Nos. 43-63) PA 101 & 131
■	7231262	Brine Valve Asm. (includes Key Nos. 43-63) PA 191, 251 & 321
■	7157280	Tubing, 3/8" O.D. x 20 ft.

■ Not illustrated.

CONTROLLER & RESIN / MINERAL TANK ASSEMBLIES



Valve Assembly
See Pages 8 & 9
for parts



REPAIR PARTS LIST

Key No.	Part No.	Description
70	7174868	Cover
■	7285148	Decal, Cover, Professional Advantage
	7255818	Decal, Cover, Generic
71	7189449	Cover, Bottom, Filters & Softeners PA 051 & 071
	7222750	Cover, Bottom, All Other Softener Models
72	7362673	Power Supply, 24V DC, 65W
■	7085297	Transformer, 24V AC, 40VA
73	7377987	Bracket, Power Supply
74	7362720	Line Power Cord
75	7362958	Control Box, CUC2, North Star
	7362974	Control Box, CUC2, Generic
76	7362607	Power Cable, CUC2
■	7286314	Power Cable, CUC
77	7322372	Controller Cable / Sensor Housing
78		Fuse, AGC 3A 250V, Purchase locally, replace with same type and value only.
79	7176292	Clamp Section (2 req.)
80	7088033	Clamp Retainer (2 req.)
81	7170296	O-Ring, 2-7/8" x 3-1/4", single
	7336452	O-Ring, 2-7/8" x 3-1/4", pack of 20
82	7170254	O-Ring, 13/16" x 1-1/16"
83	7170270	O-Ring, 2-3/4" x 3"
84	7077870	Top Distributor, Softener Models
	7088855	Top Distributor, Filter Models
85	7127895	Rep'l Distributor, bottom ①

Key No.	Part No.	Description
86	7124415	Gravel, Fine, 17 lbs. ②
	7124423	Gravel, Fine, 50 lbs. ②
	7127073	Gravel - Medium, 50 lbs. ②
	4104600	Gravel - Coarse, 17 lbs. ②
87	0502272	Resin, 1 cu. ft. ②
	0993080	Filter Sand, 50 lb. bag ②
	3424509	Activated Carbon, 42 lbs./cu.ft. ②
	7331101	Greensand Plus, 1/2 cu. ft. ②
	0993070	Anthracite, 50 lbs./cu.ft. ②
88	0993090	Garnet, 50 lbs./cu.ft. ②
	7169457	Repl. Resin Tank, 12" dia. x 54", ■ (includes Key Nos. 79-85) PA 051, 071 & 121
	7169465	Repl. Resin Tank, 17" dia. x 58", ■ (includes Key Nos. 79-85) PA 101, 131 & 171
89	7141409	Repl. Resin Tank, 24" dia. x 72", ■ (includes Key Nos. 79-85) PA 191, 251 & 321

ACCESSORIES		
90	7288219	Bracket, Control Box ★
91	7214383	Bypass Valve, 1" ★ (includes 2 ea. of Key Nos. 92 & 93)
92	7089306	Clip, 1", single (2 req.) ★
	7336428	Clip, 1", pack of 20 ★
93	7311127	O-Ring, 1-1/16" x 1-5/16", single (2 req.) ★
	7336410	O-Ring, 1-1/16" x 1-5/16", pack of 20 ★
■	7286005	Controller Extension Cable ★

■ Not illustrated.

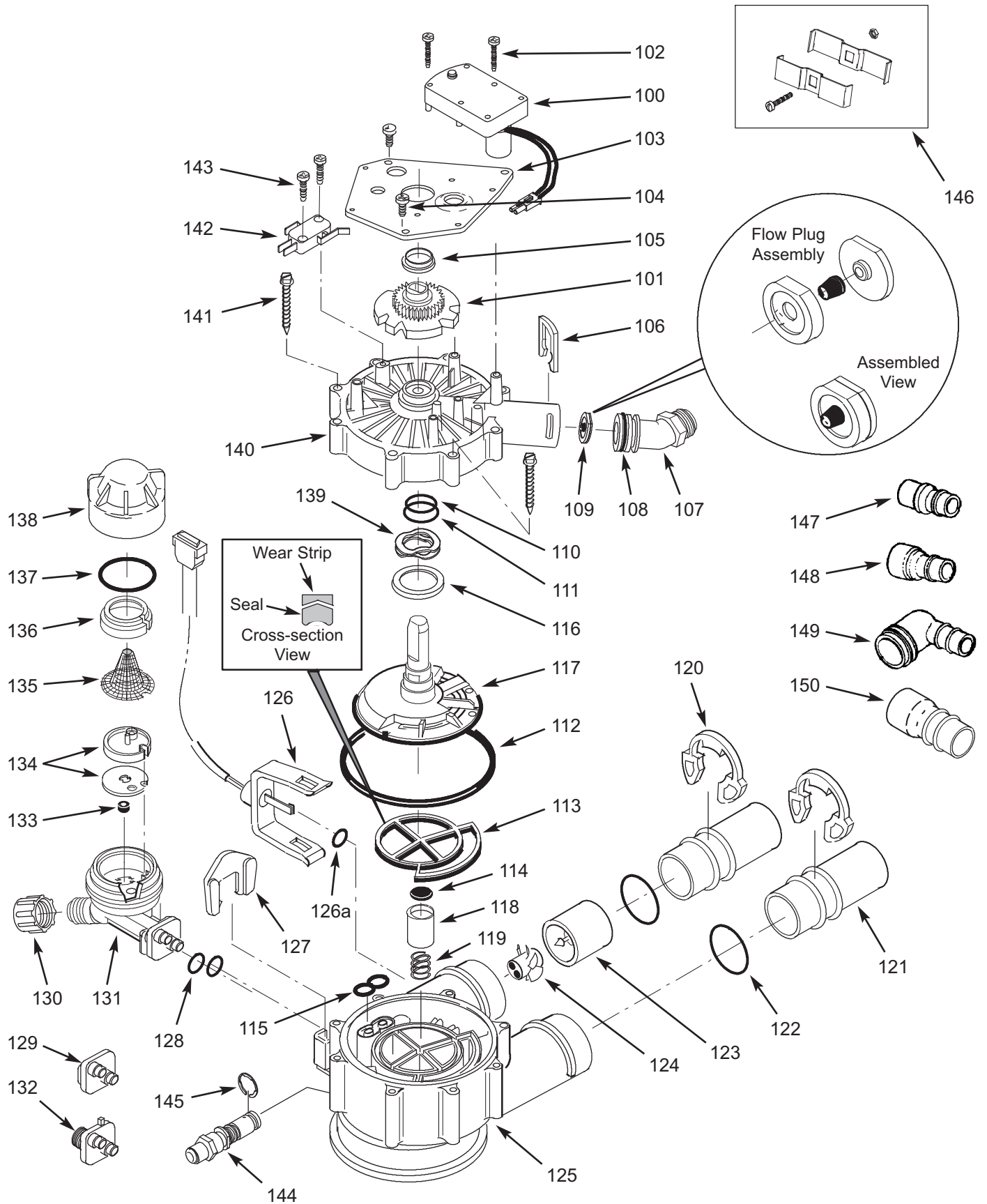
★ Optional parts, not included with the filter or softener.

① Be sure to check length - see owner's manual.

② See owner's manual for amounts required.

■ With flanged tank neck.

1" SINGLE DISC VALVE ASSEMBLY



REPAIR PARTS LIST

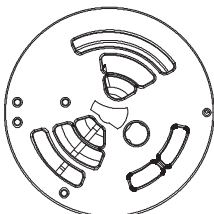
Key No.	Part No.	Description
–	7384714	Motor, Cam & Gear Kit, 1" Comm'l (Includes Key Nos. 100-102)
100	7281291	Motor
101	7283502	Cam & Gear
102	7224087	Screw, #8-32 x 1" (2 req.)
103	7231393	Motor Plate
104	0900857	Screw, #6-20 x 3/8" (3 req.)
105	7171250	Bearing
106	7169180	Clip, Drain
107	7172793	Drain Hose Adaptor
108	7170288	O-Ring, 15/16" x 1-3/16", single
	7336402	O-Ring, 15/16" x 1-3/16", pack of 20
109	7197808	Flow Plug, 3 gpm
	7178189	Flow Plug, 5 gpm
	7178197	Flow Plug, 6 gpm
	7178202	Flow Plug, 7 gpm
	7178210	Flow Plug, 10 gpm
	7178228	Flow Plug, 15 gpm
–	7185487	Seal Kit (Incl. Key Nos. 110-115)
110	↑	O-Ring, 5/8" x 13/16"
111	↑	O-Ring, 1-1/8" x 1-1/2"
112	↑	O-Ring, 4-1/2" x 4-7/8"
113	↑	Rotor Seal
114	↑	Seal
115	↑	Seal, Nozzle & Venturi
116	7174313	Bearing, Wave Washer
117	7185500	Rotor & Disc, Single Tank, Filters & Softeners PA 051 & 071
	7229590	Rotor & Disc, Multiple Tank, Filters & Softeners PA 051 & 071 +
	7229582	Rotor & Disc, Single Tank, All Other Softener Models
	7229605	Rotor & Disc, Multiple Tank, All Other Softener Models +
118	7171187	Plug, Drain Seal
119	7129889	Spring
120	7089306	Clip, 1", single (2 req.)
	7336428	Clip, 1", pack of 20
121	7077642	Copper Tube, 1", single (2 req.)
	7344138	Copper Tube, 1", pack of 10 (includes 10 ea. of Key No. 122)
122	7311127	O-Ring, 1-1/16" x 1-5/16", single (2 req.)
	7336410	O-Ring, 1-1/16" x 1-5/16", pack of 20

Key No.	Part No.	Description
123	7119177	Turbine Support & Shaft
124	7123061	Turbine
125	7171145	Valve Body, Filters & PA 051 & 071
	7222988	Valve Body, All Other Soft. Models
126	7322372	Controller Cable & Sensor Asm.
126a	0900060	O-Ring, 3/8" x 1/2"
127	7081201	Retainer, Nozzle & Venturi
128	7170319	O-Ring, 1/4" x 3/8" (2 req.)
129	7100940	Plug, Filter Models
130	1202600	Nut - Ferrule
–	7085247	Nozzle & Venturi Assembly, PA 051 & 071 (incl. Key Nos. 131 & 133-138)
131	7081104	Housing, Nozzle & Venturi, PA051/071
132	7128760	Adaptor, All Other Softener Models
133	1148800	Flow Plug, 0.3 gpm
134	7114533	Nozzle & Venturi Kit w/Gasket, PA051/071
	7204362	Gasket only, single
	7336486	Gasket only, pack of 20
135	7146043	Screen
136	7167659	Screen Support
137	7170262	O-Ring, 1-1/8" x 1-3/8", single
	7336436	O-Ring, 1-1/8" x 1-3/8", pack of 20
138	7199729	Cap
139	7175199	Wave Washer
140	7171161	Valve Cover
141	7172997	Screw, #10-14 x 2-5/8" (8 req.)
142	7305150	Switch
143	7140738	Screw, #4-24 x 3/4" (2 req.)
144	7222938	Insert, Check Ball
145	7222954	E-Ring

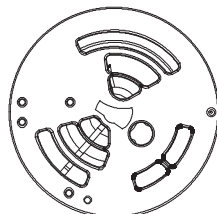
ACCESSORIES

146	7248706	Ground Clamp Kit
147	7104546	CPVC Nipple - Use in place of included copper inlet/outlet tubes
148	7129211	1-1/2" Adaptor Fittings - Use in place of included copper inlet/outlet tubes
149	7120259	Elbow, Extends inlet and/or outlet in any 90° direction
150	7234553	1-1/4" Copper Tube - Use in place of included copper inlet/outlet tubes

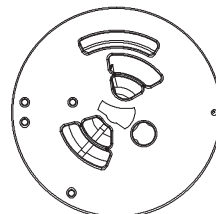
+ Multiple Tank Systems use special rotor & discs to prevent the use of hard water during regeneration. See illustrations below.



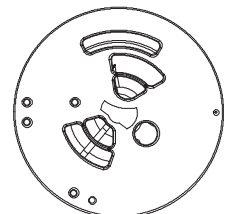
Rotor & Disc, Single Tank, Filters & Softeners PA 051 & 071



Rotor & Disc, Single Tank, All Other Softener Models

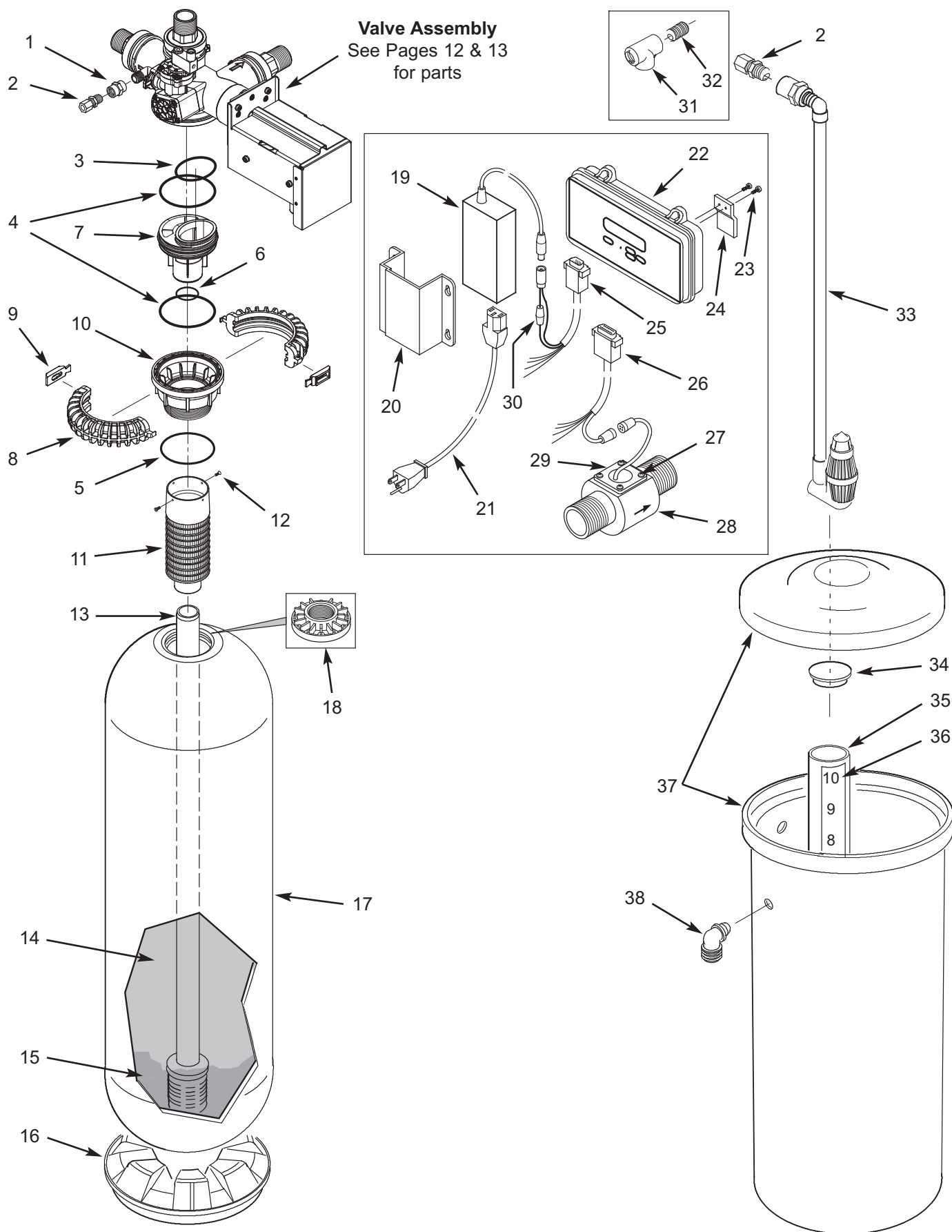


Rotor & Disc, Multiple Tank, Filters & Softeners PA 051 & 071



Rotor & Disc, Multiple Tank, All Other Softener Models

CONTROLLER, RESIN & BRINE TANK ASSEMBLIES - 1-1/2" VALVE



REPAIR PARTS LIST

Key No.	Part No.	Description
1	220017	Coupler, Female, 1/2" NPT
2	7138210	Connector, 1/2" NPT x 1/2" Tube (2 req.)
■	7190377	Tubing, 1/2" x 8 ft.
–	7367411	Kit, Neck O-Ring (includes Key Nos. 3-7)
3	↑	O-Ring, 75.57 mm x 5.33 (1 ea.)
4	↑	O-Ring, 110.49 mm x 5.33 (2 ea.)
5	↑	O-Ring, 108 mm x 5.33 (1 ea.)
6	↑	O-Ring, 46.99 mm x 5.33 (1 ea.)
7	↑	Support, Riser Pipe, 1.9" O.D. (1 ea.)
	↑	Retainer, O-Ring (1 ea.)
–	7367631	Clamp Kit (includes Key Nos. 8 & 9)
8	↑	Clamp Section (2 ea.)
9	↑	Retainer Clip (2 ea.)
–	7367322	Parts Kit (includes Key Nos. 10-12, 3-7 & 50-52 shown on Page 13)
10	↑	Tank Neck Adaptor (1 ea.)
11	↑	Top Distributor Assembly (1 ea.)
12	↑	Screw, ST2.9 x 10 (2 ea.)
13	7359206	Distributor (bottom) Assembly
14	0502272	Resin, 1 cu. ft. ❶
	3424509	Activated Carbon, 1 cu. ft. ❶
	7331101	Greensand Plus, 1/2 cu. ft. ❶
	0993070	Anthracite (lb.) ❶
	0993090	Garnet (lb.) ❶
	0993080	Filter Sand (lb.) ❶
15	7124415	Gravel - Fine, 17 lbs. ❶
	7124423	Gravel - Fine, 50 lbs. ❶
	7127073	Gravel - Medium, 50 lbs. ❶
	4104600	Gravel - Coarse, 17 lbs. ❶
16	–	Tank Base
17	7149994	Resin Tank, 17" dia. x 58" ▲ (incl. Key No. 16)
	7153561	Resin Tank, 17" dia. x 72" ▲ (incl. Key No. 16)
	7298777	Resin Tank, 24" dia. x 72" ▲ (incl. Key No. 16)
	0403007	Resin Tank, 30" dia. x 72" ▲ (incl. Key No. 16)

Key No.	Part No.	Description
18	7345516	Adaptor, for 30" dia. tanks (incl. o-ring & installation hardware)
19	7362673	Power Supply, 24V DC, 65W
20	7377987	Bracket, Power Supply
21	7362720	Line Power Cord
22	7362958	Control Box, CUC2, North Star
	7362974	Control Box, CUC2, Generic
23	9006029	Screw, #6-20 x 5/16" (2 req.)
24	0502080	Hanger, Control Box
25	7362607	Power Cable, CUC2
26	7361669	Repl. Control Cable
27	0900386	Screw, #8-32 x 1/2" (4 req.)
	0810037	Washer (4 req.)
28	130029	Water Meter Housing, 1-1/2" NPT
29	7345930	Repl. Turbine Assembly, Gray
30		Fuse, AGC 3A 250V - purchase locally - replace with same type and value only
31	7194622	Tee, 1/2" NPT - multiple tank systems
32	7194630	Nipple, 1/2" NPT - multiple tank systems
33	7222085	Air Check, 50" & 51" high tanks (includes Key Nos. 34-36)
34	0500283	Cover, Brinewell
	7222051	Cover, Brinewell, 51" high tank
35	0980067	Brinewell, 50" & 51" high tanks
36	7243853	Decal, Brinewell
37	7227027	Brine Tank w/cover, 24" x 50" (includes Key Nos. 33 & 38)
	7227035	Brine Tank w/cover, 31" x 51" (includes Key Nos. 33 & 38)
	940027	Brine Tank w/cover) 41" x 51" (includes Key Nos. 33 & 38)
38	0523819	Drain Elbow

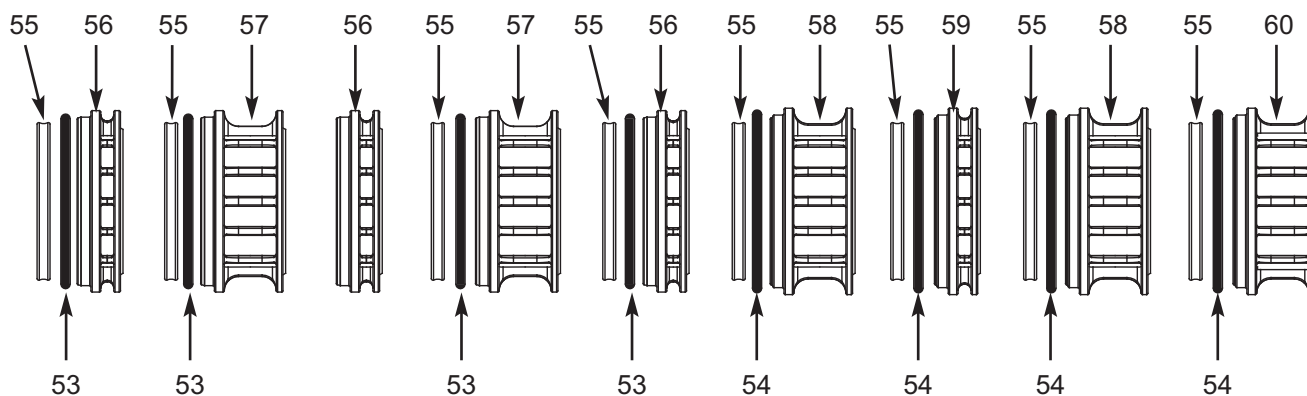
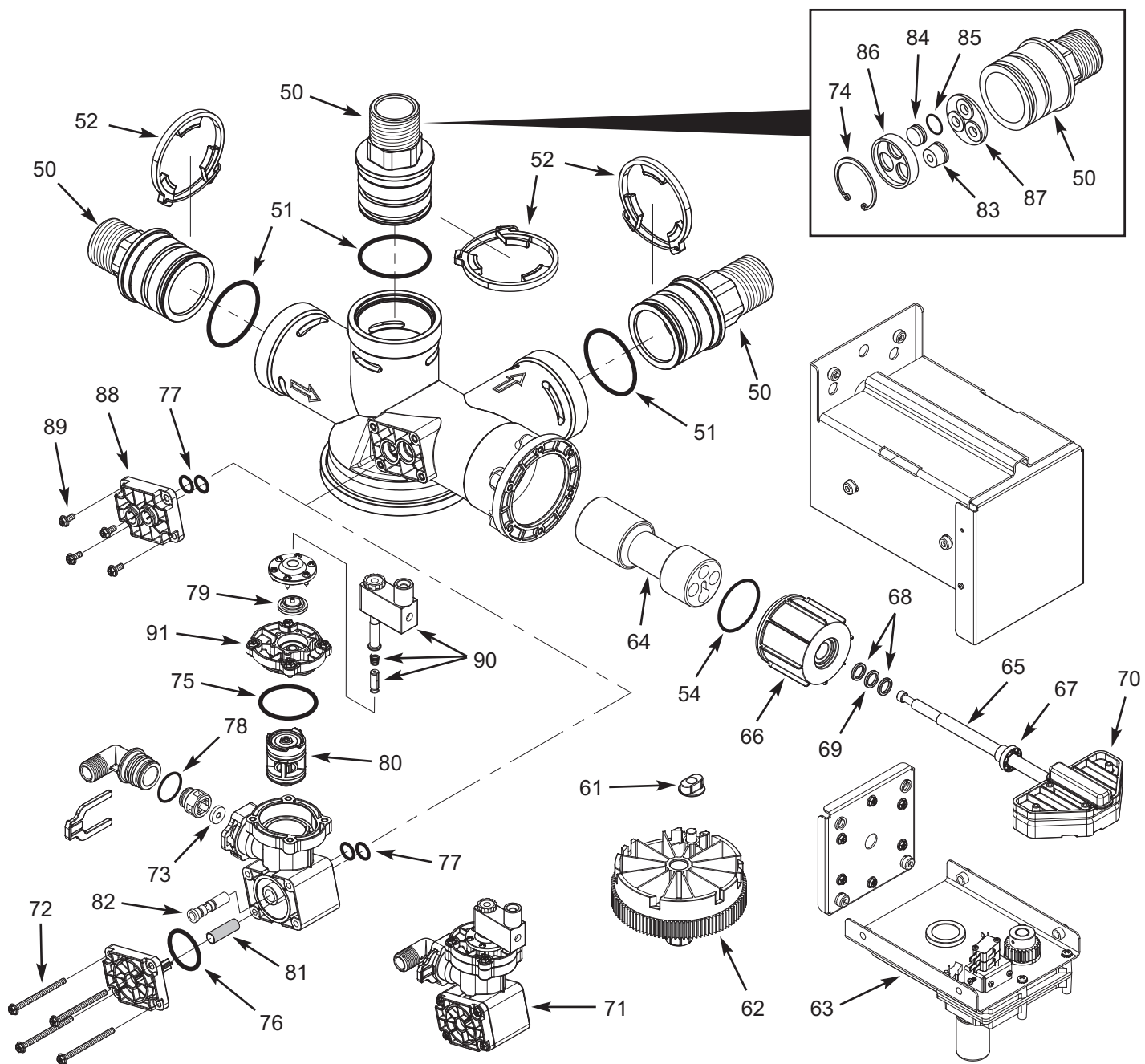
ACCESSORIES		
■	7286005	Controller Extension Cable, 20 ft.

■ Not illustrated.

❶ See owner's manual for amounts required.

▲ With 4" threaded tank neck.

1-1/2" VALVE & ASPIRATOR ASSEMBLIES



REPAIR PARTS LIST

Key No.	Part No.	Description
–	7367322	Parts Kit (includes Key Nos. 50-52, 3-7 & 10-12 shown on Page 13)
50	↑	Adaptor, 1-1/2" NPT (2 ea.) *
–	7367372	Kit, Installation Clips & O-Ring (includes Key Nos. 51 & 52)
51	↑	O-Ring, 56.52 mm x 5.33 (3 ea.)
52	↑	"C" Clip w/Tightener (3 ea.)
–	7367398	Rebuild Kit, Internal Rubber Parts (includes Key Nos. 53-55, 68 & 69)
53	↑	O-Ring, 59.92 mm x 3.53, Brown (4 ea.)
54	↑	O-Ring, 63.09 mm x 3.53 (5 ea.)
55	↑	Quad Ring, 50.17 mm x 5.33 (8 ea.)
–	7367380	Rebuild Kit, Internal, Lantern Ring & Rubber Parts (incl. Key Nos. 53-55 & 57-61)
56	↑	Lantern Ring I (3 ea.)
57	↑	Lantern Ring II (2 ea.)
58	↑	Lantern Ring III (2 ea.)
59	↑	Lantern Ring IV (1 ea.)
60	↑	Lantern Ring V (1 ea.)
–	7367437	Drive Assembly, 1-1/2" Valve (includes Key Nos. 61-63)
61	↑	Slot Follower (1 ea.)
62	↑	Cam & Gear w/Pin (1 ea.)
63	↑	Inner Bracket Assembly (1 ea.)
–	7377995	Piston & Rod Kit, 1-1/2" Valve (includes Key Nos. 64 & 65)
64	↑	Piston (1 ea.)
65	↑	Rod, Piston (1 ea.)
–	7378072	Rebuild Kit, End Plug, Rod Bushing & Seals (includes Key Nos. 66-69 & 54)
66	↑	End Plug
67	↑	Bushing
68	↑	Quad Ring, 12.37 mm x 2.62 (2 ea.)
69	↑	Retainer
70	7378064	Crossbar, including screws
–	7367364	Softener Kit, 1-1/2" Valve, (includes 1 ea. of Key No. 50 & Key Nos. 71-74)
71	↑	Aspirator Assembly, without Nozzle or Venturi (1 ea.)
72	↑	Bolt, M5 x 69 mm (4 ea.)
73	↑	Brine Line Flow Control, 1.8 gpm (1 ea.)
74	↑	Snap Clip (1 ea.)

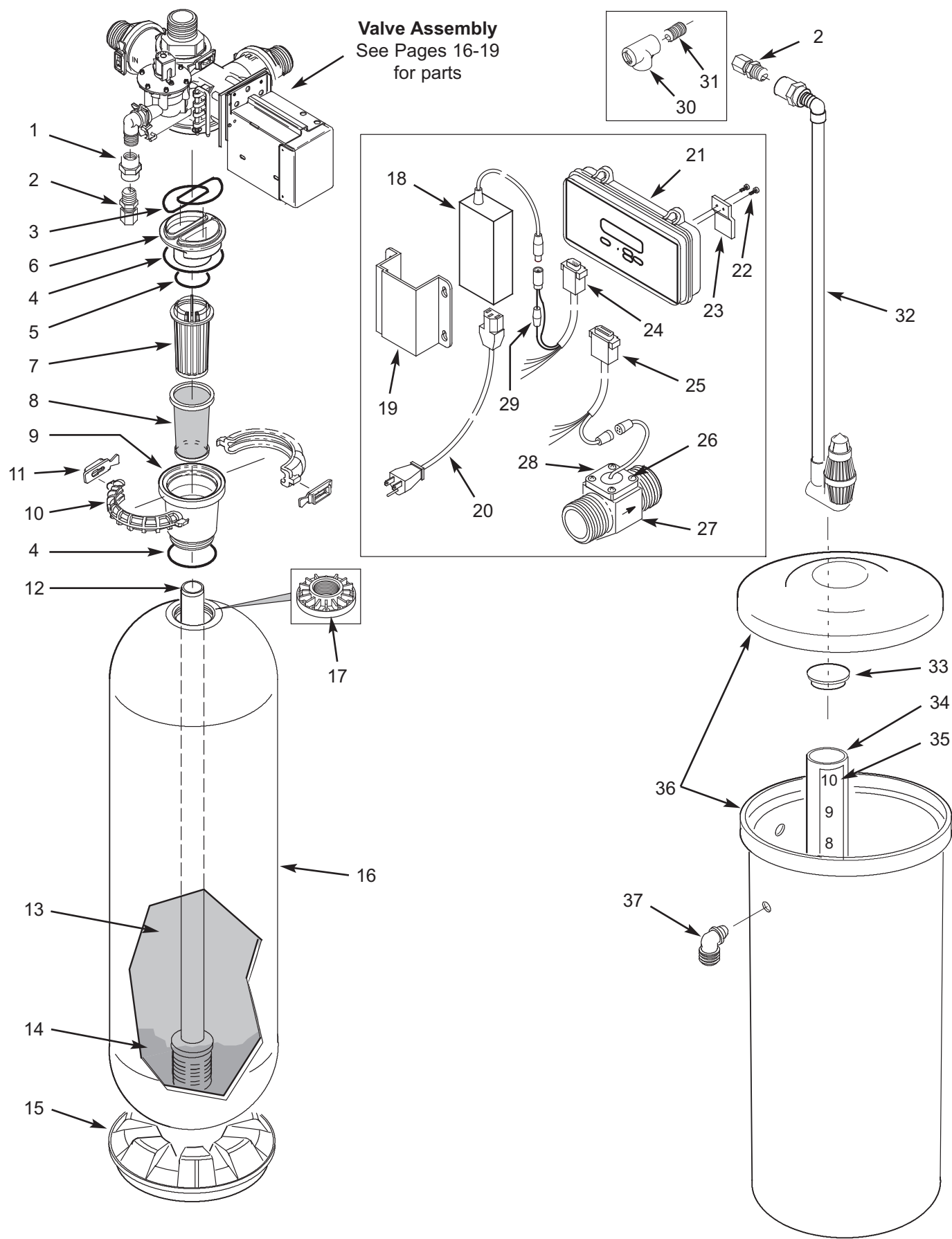
Key No.	Part No.	Description
–	7367429	Aspirator Kit, 1-1/2" Valve, (includes Key Nos. 75-81)
75	↑	O-Ring, 40.87 mm x 3.53 (1 ea.)
76	↑	O-Ring, 34.52 mm x 3.53 (1 ea.)
77	↑	O-Ring, 14 mm x 3 (2 ea.)
78	↑	O-Ring, EPDM, 25 mm x 3 (1 ea.)
79	↑	Diaphragm (1 ea.)
80	↑	Brine Plunger Assembly (1 ea.)
81	↑	Screen, Nozzle (1 ea.)
82	7377149	Nozzle/Venturi, 1-piece, Purple
	7377157	Nozzle/Venturi, 1-piece, Gray
	7377165	Nozzle/Venturi, 1-piece, Red
■	7367152	Nozzle, Black
	7367160	Venturi, Black
	7367178	Nozzle, Blue
	7367186	Venturi, Blue
83	7169693	Drain Flow Plug, Blue, 5 gpm
	7169708	Drain Flow Plug, Red, 6 gpm
	7169716	Drain Flow Plug, Brown, 7 gpm
	✕	Drain Flow Plug, Green, 8 gpm
	7169732	Drain Flow Plug, Tan, 9 gpm
	7169740	Drain Flow Plug, Red Dot, 12 gpm
	7169758	Drain Flow Plug, Black, 15 gpm
	7169774	Drain Flow Plug, White Dot, 20 gpm
84	7180576	Solid Drain Plug
85	7197206	O-Ring
■	7169334	Sleeve, Flow Plug, Large
86	7367275	Retaining Plate, Front
87	7367283	Retaining Plate, Back
–	7367348	Filter Kit, 1-1/2" Valve, (includes 1 ea. of Key No. 50 & 74, 2 ea. of Key No. 77 & Key Nos. 88 & 89)
88	↑	Plug, Aspirator (1 ea.)
89	↑	Bolt, M5 x 12 mm (4 ea.)
90	7389243	Solenoid Assembly
91	7390090	Cap, Aspirator

■ Not illustrated.

✕ No longer available.

* The third 1-1/2" NPT adaptor (for drain port) is found in the Softener Kit or Filter Kit

CONTROLLER, RESIN & BRINE TANK ASSEMBLIES - 2" VALVE



REPAIR PARTS LIST

Key No.	Part No.	Description
1	7175678	Reducer, 3/4" x 1/2"
2	7138210	Connector, 1/2" NPT x 1/2" Tube (2 req.)
■	7190377	Tubing, 1/2" x 8 ft.
–	7345833	2" Valve O-Ring Kit (includes 5 ea. of Key No. 3, 2 ea. of Key No.4 & 1 ea. of Key No. 5)
3	7170296	O-Ring, 2-7/8" x 3-1/4", single (2 req.)
4	9001100	O-Ring, 4-1/8" x 4-1/2" (2 req.)
5	9001102	O-Ring, 2-3/8" x 2-3/4"
6	7165291	Support, Top Distributor
7	7165283	Top Distributor
8	7169813	Screen
9	7169902	Tank Adaptor
10	7145217	Clamp (2 req.)
11	7088033	Clamp Retainer (2 req.)
12	7243625	Distributor (bottom) Assembly
13	0502272	Resin, 1 cu. ft. ❶
	3424509	Activated Carbon, 1 cu. ft. ❶
	7331101	Greensand Plus, 1/2 cu. ft. ❶
	0993070	Anthracite (lb.) ❶
	0993090	Garnet (lb.) ❶
	0993080	Filter Sand (lb.) ❶
14	7124415	Gravel - Fine, 17 lbs. ❶
	7124423	Gravel - Fine, 50 lbs. ❶
	7127073	Gravel - Medium, 50 lbs. ❶
	4104600	Gravel - Coarse, 17 lbs. ❶
15	–	Tank Base
16	7149994	Resin Tank, 17" dia. x 58" ▲ (incl. Key No. 15)
	7153561	Resin Tank, 17" dia. x 72" ▲ (incl. Key No. 15)
	7298777	Resin Tank, 24" dia. x 72" ▲ (incl. Key No. 15)
	0403007	Resin Tank, 30" dia. x 72" ▲ (incl. Key No. 15)
	0403006	Resin Tank, 36" dia. x 72" ▲ (incl. Key No. 15)
17	7345516	Adaptor, for 30" & 36" dia. tanks (incl. o-ring & installation hardware)
18	7362673	Power Supply, 24V DC, 65W
■	7289540	Transformer, 24V AC, 50VA

Key No.	Part No.	Description
19	7377987	Bracket, Power Supply
20	7362720	Line Power Cord
21	7362958	Control Box, CUC2, North Star
	7362974	Control Box, CUC2, Generic
22	9006029	Screw, #6-20 x 5/16" (2 req.)
23	0502080	Hanger, Control Box
24	7362607	Power Cable, CUC2
■	7286314	Power Cable, CUC
25	7285481	Repl. Control Cable
26	0900386	Screw, #8-32 x 1/2" (4 req.)
	0810037	Washer (4 req.)
27	7251377	Water Meter Housing
28	7345930	Repl. Turbine Assembly, Gray
	7286267	Repl. Turbine Assembly, Blue
29		Fuse, AGC 3A 250V - purchase locally - replace with same type and value only
30	7194622	Tee, 1/2" NPT - multiple tank systems
31	7194630	Nipple, 1/2" NPT - multiple tank systems
32	7221940	Air Check, 41" high tanks (includes Key Nos. 33-35)
	7222085	Air Check, 50" & 51" high tanks (includes Key Nos. 33-35)
33	0500283	Cover, Brinewell
	7222051	Cover, Brinewell, 51" high tank
34	0980062	Brinewell, 41" high tanks
	0980067	Brinewell, 50" & 51" high tanks
35	7243853	Decal, Brinewell
36	7227027	Brine Tank w/cover, 24" x 50" (includes Key Nos. 32 & 37)
	7227035	Brine Tank w/cover, 31" x 51" (includes Key Nos. 32 & 37)
	940027	Brine Tank w/cover) 41" x 51" (includes Key Nos. 32 & 37)
37	0523819	Drain Elbow

ACCESSORIES

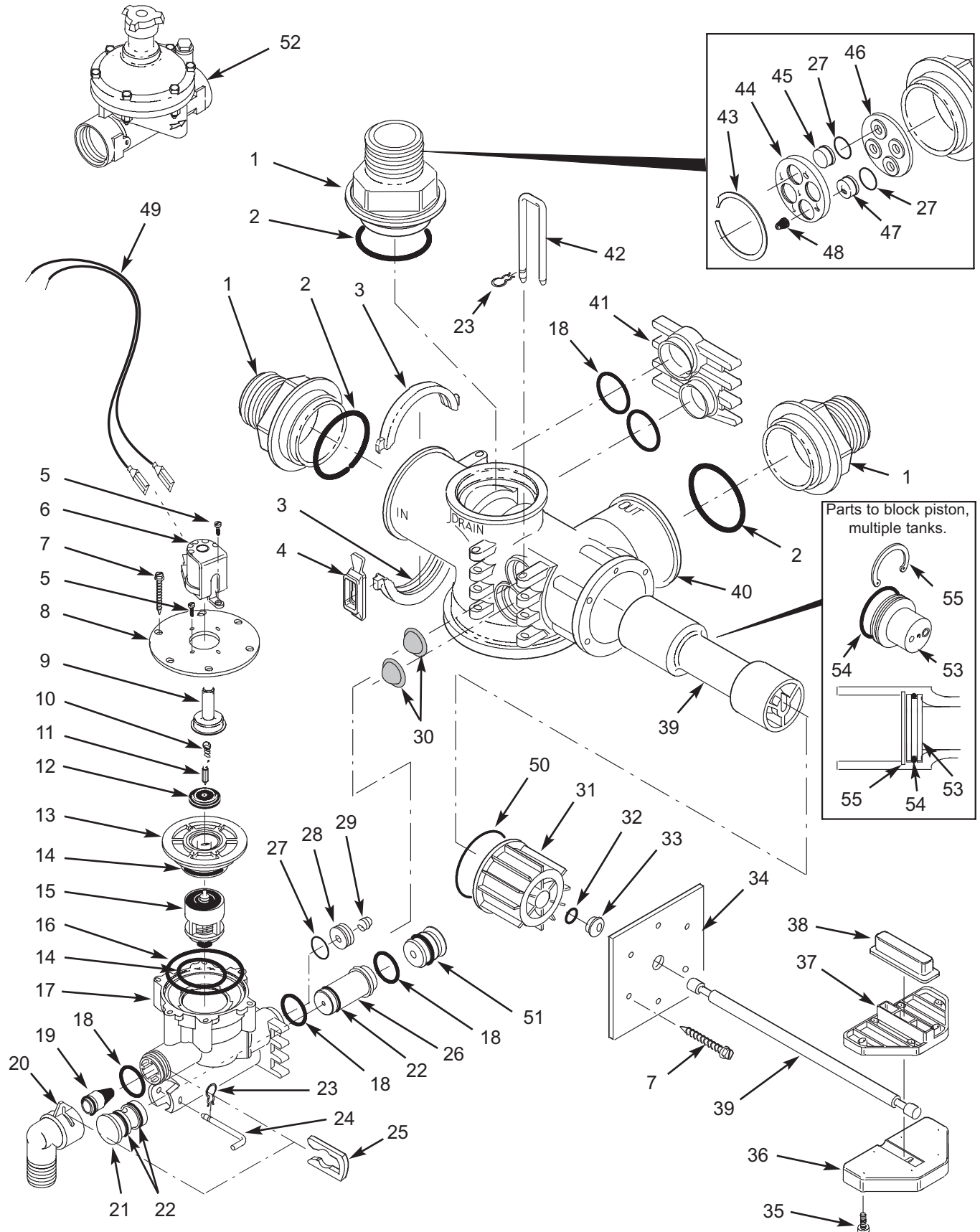
■	7286005	Controller Extension Cable, 20 ft.
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■ Not illustrated.

❶ See owner's manual for amounts required.

▲ With 4" threaded tank neck.

2" VALVE & ASPIRATOR ASSEMBLIES



REPAIR PARTS LIST

Key No.	Part No.	Description
1	7174460	2" Nipple, Inlet/Outlet (3 req.)
2	7170296	O-Ring, 2-7/8" x 3-1/4", single (3 req.)
	7336452	O-Ring, 2-7/8" x 3-1/4", pack of 20
3	7176292	Clamp Section (6 req., 4 not shown)
4	7088033	Clamp Retainer (6 req., 5 not shown)
5	9006029	Screw, #6-20 x 5/16" (4 req.)
6	7362398	Solenoid Coil, 24V, DC, Brown
	7286102	Solenoid Coil, 24V, AC, Red/Pink
■	7368069	Solenoid Assembly, DC (includes Key Nos. 6, 9, 10, 11 & 12)
	7196284	Solenoid Assembly, AC (includes Key Nos. 6, 9, 10, 11 & 12)
7	9006042	Screw, #10-14 x 1-1/4" (12 req.)
8	7288146	Mounting Plate
9	7003334	Solenoid Guide
10	7003342	Solenoid Spring
11	7003350	Armature
12	7003368	Diaphragm
13	7168087	Aspirator Cap
14	7169886	O-Ring, 1-1/4" x 1-1/2" (2 req.)
15	7195165	Plunger Assembly, consisting of:
	7169350	Diaphragm
	7168095	Plunger
	7168079	Retainer, Housing
	7169342	O-Ring, 13/32" x 27/32"
16	9001102	O-Ring, 2-3/8" x 2-3/4"
17	7168061	Aspirator Housing
■	7195212	Aspirator Seal Kit (includes Key Nos. 12, 14, 15, 16, 18 & 22)
18	7168312	O-Ring, 1" x 1-1/4", single (5 req.)
	7345809	O-Ring, 1" x 1-1/4", pack of 10
19	7186598	Fill Flow Plug, green dot (1.0 gpm)
	7189033	Fill Flow Plug, brown dot (2.0 gpm)
	7189041	Fill Flow Plug, tan dot (3.0 gpm)
	7189059	Fill Flow Plug, purple dot (3.5 gpm)
20	7186580	Brine Elbow, with screen
21	7170571	Nozzle, Red (.082")
	7170589	Nozzle, Black (.1")
	7170597	Nozzle, Yellow (.125")

Key No.	Part No.	Description
21	7170602	Nozzle, Blue (.156")
	7170610	Nozzle, Orange (.19")
	7170628	Nozzle, White (.219")
	7170636	Nozzle, Green (.25")
	7179151	Nozzle, Gray (.062")
	7187447	Nozzle, Green (.043")
	7187455	Nozzle, Purple (.055")
22	7186572	O-Ring, 3/4" x 1" (3 req.)
23	7180788	Retainer Clip (5 req.)
24	7015852	Pin
25	7169180	Clip
26	7168100	Venturi, Red
	7169203	Venturi, Black
	7169211	Venturi, Yellow
	7169229	Venturi, Blue
	7169237	Venturi, Orange
	7169253	Venturi, Green (2-3/8" long)
	7179169	Venturi, Gray
	7187421	Venturi, Green (2-5/8" long)
	7187439	Venturi, Purple
27	7197206	O-Ring, 11/16" x 13/16"
28	7169326	Sleeve, Small
29	7187463	Flow Plug, light blue dot (.4 gpm)
	7187413	Flow Plug, blue dot (.6 gpm)
	7169570	Flow Plug, orange dot (.8 gpm)
	7169588	Flow Plug, green dot (1.0 gpm)
	7169596	Flow Plug, yellow dot (1.2 gpm)
30	7169376	Screen, Nozzle/Venturi (2 req.)
31	7174486	End Plug
32	7169839	O-Ring, 1/2" x 3/4"
33	7169392	Flanged Bushing
34	7288138	Mounting Bracket
35	7173804	Screw, #10-32 x 1/2" (6 req.)
36	7169130	Crossbar, Bottom
37	7169122	Crossbar, Top
38	7170563	Slot Follower, Rectangular
39	7280318	Piston Assembly (includes piston rod)
40	7218329	Valve Body

■ Not illustrated.

REPAIR PARTS LIST

Key No.	Part No.	Description
41	7168045	Aspirator Plug (2 req. on filters)
42	1289000	U-pin (4 req.)
43	7169538	Steel Ring, retainer
44	7169261	Retaining Plate, front
45	7180576	Plug, DFP Plate
46	7169279	Retaining Plate, back
47	7169334	Sleeve, Large
48	7169693	Flow Plug, Blue (5.0 gpm)
	7169708	Flow Plug, Red (6.0 gpm)
	7169716	Flow Plug, Brown (7.0 gpm)
	✕	Flow Plug, Green (8.0 gpm)
	7169732	Flow Plug, Tan (9.0 gpm)
	7169740	Flow Plug, Red Dot (12 gpm)
	7169758	Flow Plug, Black (15 gpm)
	7169774	Flow Plug, White Dot (20 gpm)

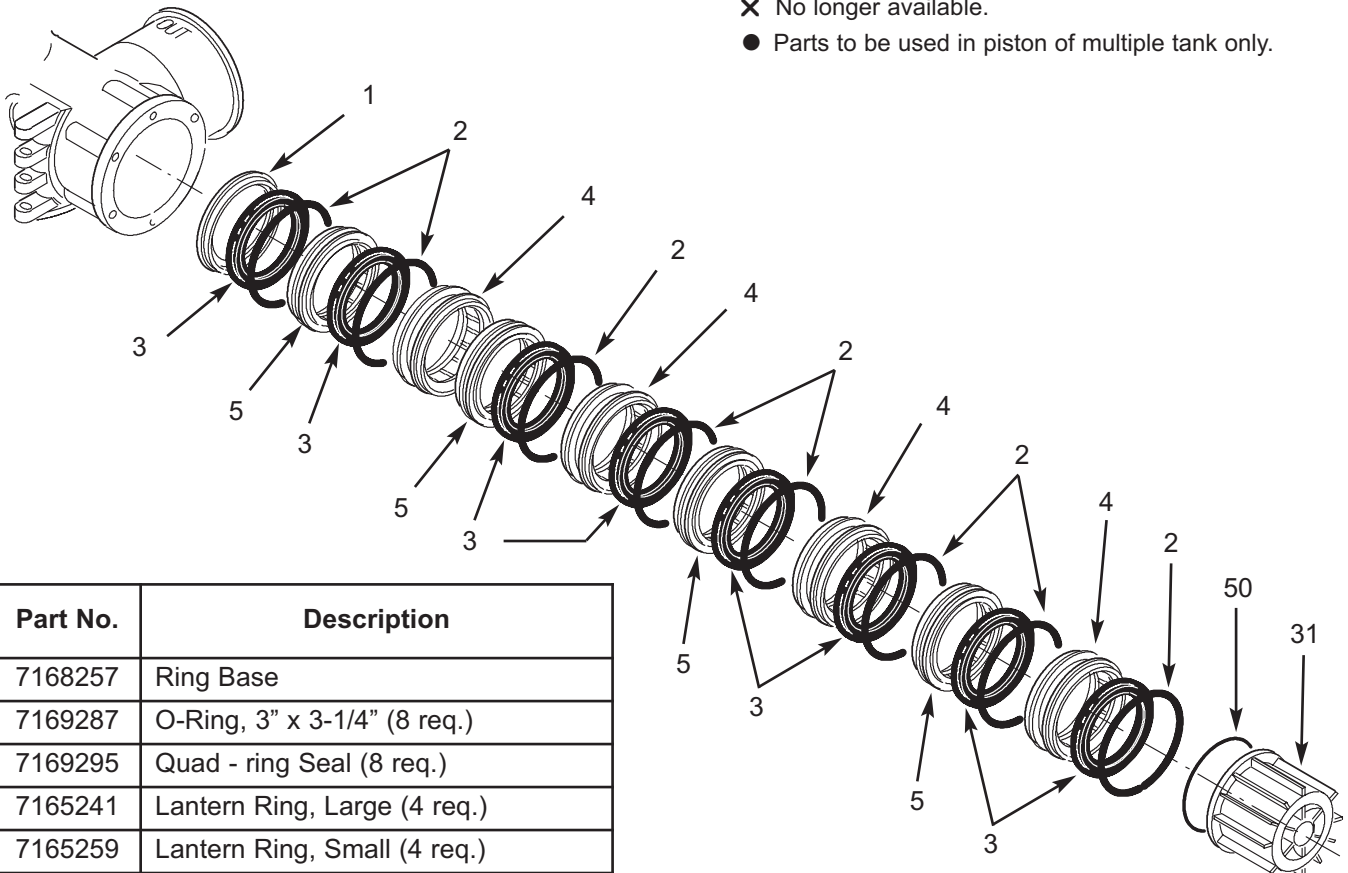
Key No.	Part No.	Description
49	7394052	Solenoid Wiring, 1-Switch Systems
■	7169871	Solenoid Wiring, 2-Switch Systems
50	7169287	O-Ring, 3" x 3-1/4"
51	7211995	Venturi Plug
■	7170327	O-Ring, 5/8" x 13/16"

OPTIONAL ACCESSORIES		
52	7362225	External No Hard Water Bypass Diaphragm Valve, DC
	7280350	External No Hard Water Bypass Diaphragm Valve, AC
—	7205172	Switch Kit for above solenoid valve
53	7229443	No Hard Water Bypass Plug ●
54	7093509	O-Ring, 1-5/8" x 2" ●
55	7192769	Snap Ring ●

■ Not illustrated.

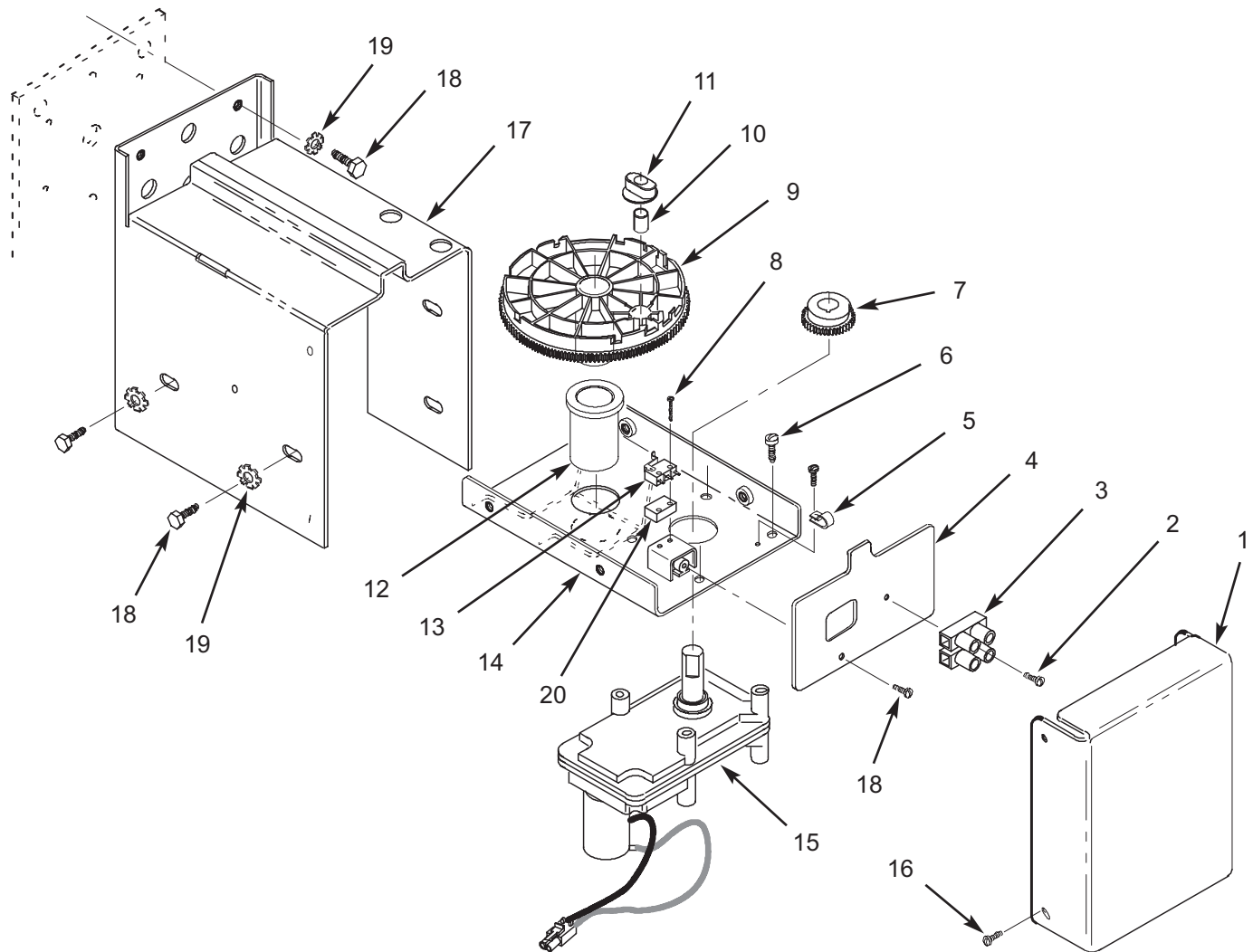
✕ No longer available.

● Parts to be used in piston of multiple tank only.



Key No.	Part No.	Description
1	7168257	Ring Base
2	7169287	O-Ring, 3" x 3-1/4" (8 req.)
3	7169295	Quad - ring Seal (8 req.)
4	7165241	Lantern Ring, Large (4 req.)
5	7165259	Lantern Ring, Small (4 req.)
■	7195238	Seal Kit (8 each of Key Nos. 2 & 3)
—	7345825	2" Valve Rebuild Kit (includes Key Nos. 1-5, 50, above, & Key No. 32, shown on Page 17)

DRIVE MECHANISM & HOUSING



REPAIR PARTS LIST

Key No.	Part No.	Description
1	7288162	Wire Cover
2	9006030	Screw, #6-20 x 5/8"
3	7176098	Base Flat Strip
4	7343352	Guard Plate
5	7187879	Strain Relief
6	7191349	Screw, #10-32 x 1/2" (3 req.)
7	7169855	Pinion
8	7174004	Screw, #2 x 5/8" (2 req.)
9	7172785	Cam & Gear (includes Key No. 10)
10	7172913	Drive Pin
11	7169520	Slot Follower
12	7169407	Flanged Bearing

Key No.	Part No.	Description
13	7169863	Micro Switch, single
	7345817	Micro Switch, pack of 4
14	7343344	Inner Bracket
■	7179177	Cam Position Decal
15	7281283	Motor
16	7190759	Screw, #6-32 x 3/8" (5 req.)
17	7288154	Outer Bracket
18	0900296	Screw, 1/4"-20 x 5/8" (8 req.)
19	7151496	Lockwasher (8 req.)
20	7394044	Spacer (1-Switch Systems only)
—	7336517	Drive Assembly, for 1- or 2-Switch Systems (includes Key Nos. 4, 6-9 & 11-15)

■ Not illustrated.