



"The Standard of Measurement"

682 PISON FLOW METER

TABLE OF CONTENTS:

682 Piston Flow Meter Parts Breakdown

Meter	682-15	Page: 1 - 2
Air Eliminator	640-15	Page: 3 - 4
Hydraulic Valve	650-15	Page: 5 - 6
Spare Parts Pricing		Pages: 7 - 10

LIMITS OF SALES

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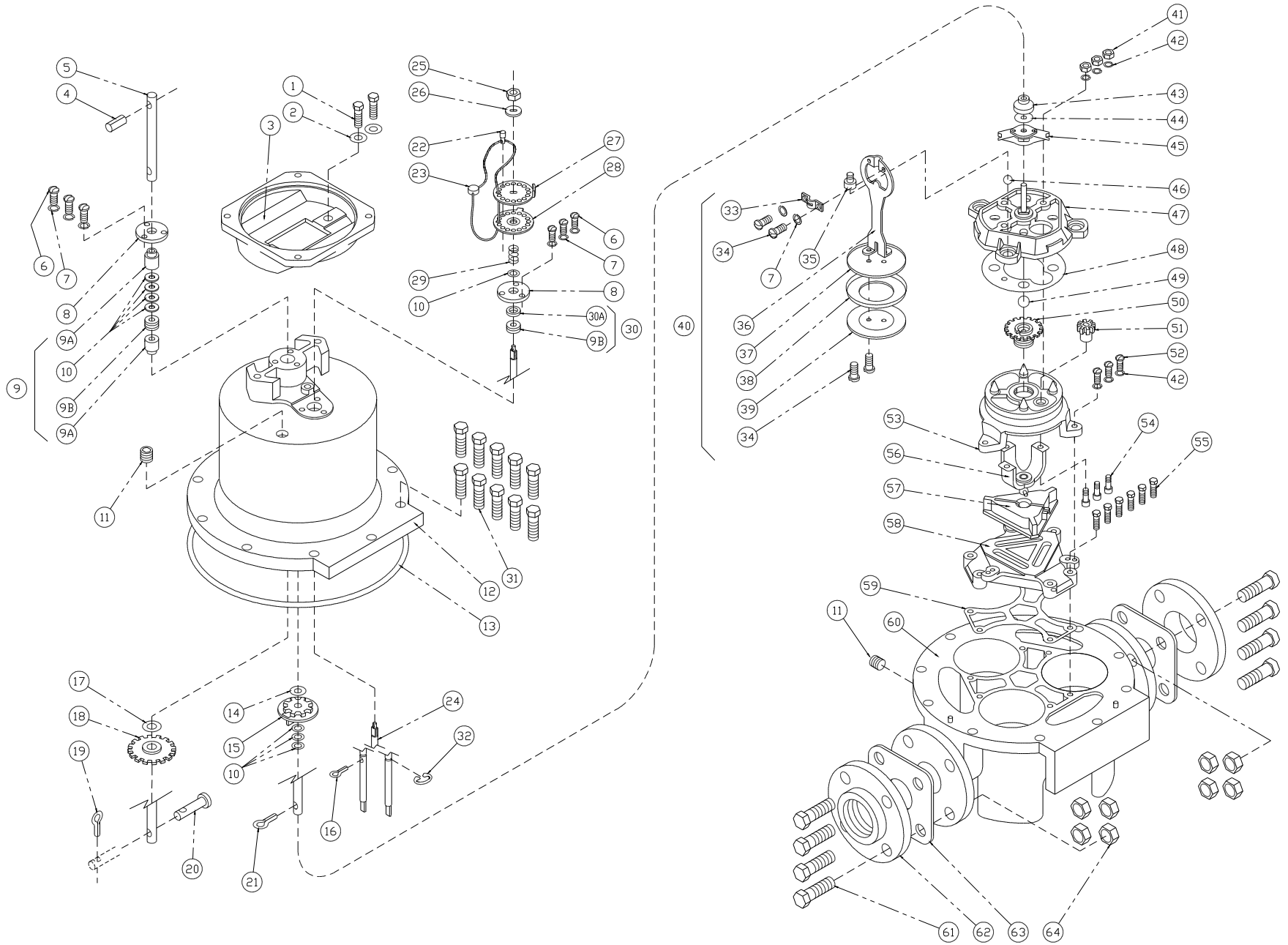
PRICE CHANGES

Prices listed herein are subject to change without notice.

PRODUCT CHANGES

Product updates, design, and materials are subject to change without notice. It is recommended to verify with Total Control Systems when the specification is critical.

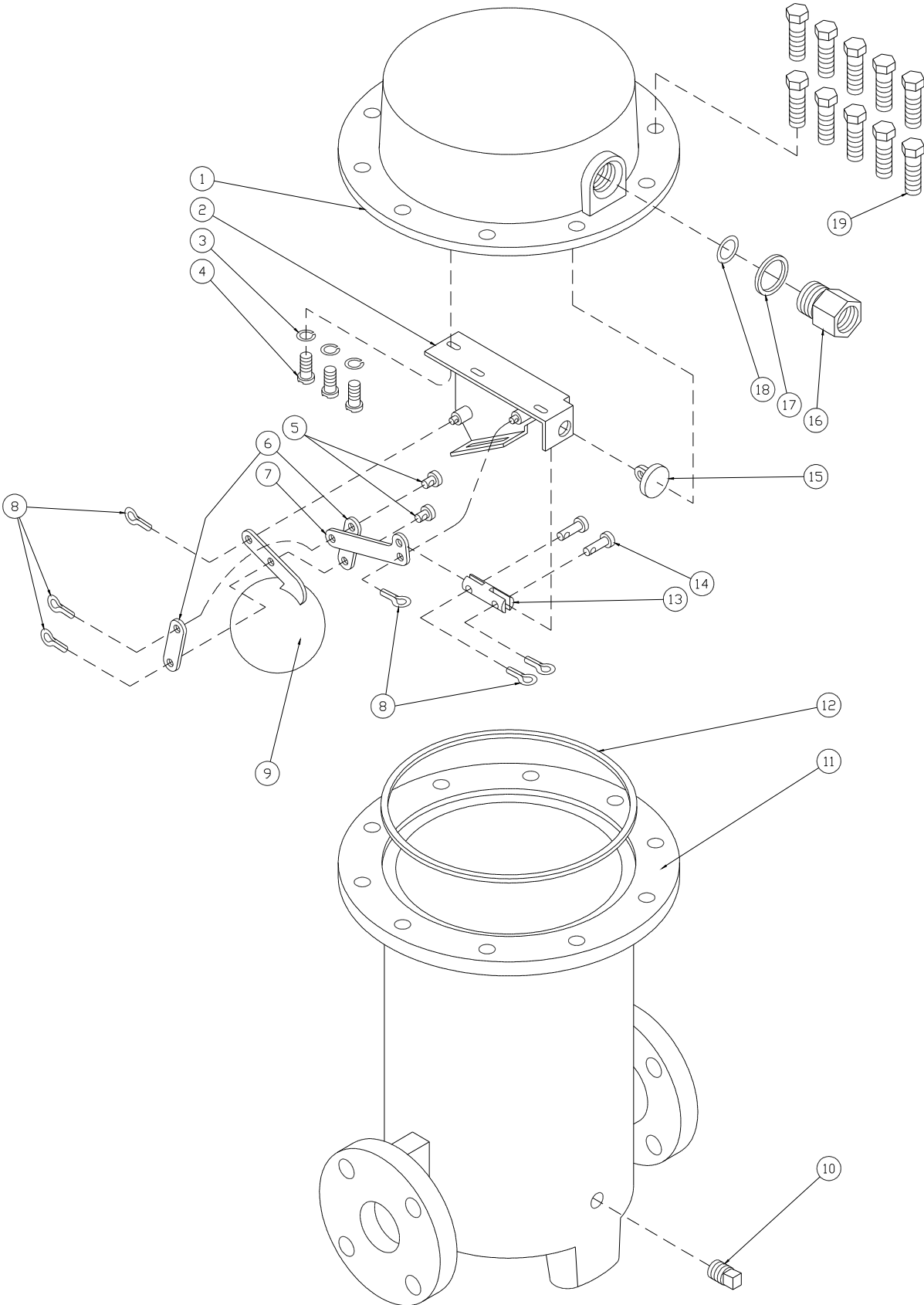
682 FLOW METER ASSEMBLY



682 FLOW METER ASSEMBLY

ITEM#	MFG	DESCRIPTION	QTY	SP	AF	SS
1	TCS	Screw, 3/8-16 X 1-1/8	2	297-050361	297-050361	1-126333
2	TCS	Washer, 3/8 Split Lock	2	15-050641	15-050641	1-126334
3	TCS	Counter Support	1	1-312518	1-312518	1-312518
4	TCS	Roll Pin	1	49-052910	49-052910	3-130752
5	TCS	Drive Shaft	1	1-114815	1-114815	1-126900
6	TCS	Screw, 10-24 X 1/2	6	252-50001	252-50001	1-128279
7	TCS	Washer, #10 Split Lock	12	1-126316	1-126316	1-126316
8	TCS	Compression Washer	2	1-130872	1-130872	2-130872
9	TCS	Meter Drive Shaft Packing Kit	1	226199-1	226199-1	226199-8
10	TCS	Washer, 9/16 OD X 0.10 T	10	1-125095	1-125095	1-126903
11	TCS	Pipe Plug, 1/4"	2	2-051913	2-051913	2-126146
12	TCS	Cover & Post Assembly	1	227006-1	227006-1	227006-3
13	TCS	Gasket, 8-3/16 ID Teflon	1	68-311105	1-315423	1-315423
14	TCS	Washer, 3/4 OD X 0.015 Rulon	1	1-125120	1-125120	1-125120
15	TCS	Counter Drive Gear Assembly	1	226136-1	226136-1	226136-2
16	TCS	Cotter Pin, 1/16 X 1/2	1	-	-	1-126318
17	TCS	Washer, 7/8 OD X 0.15 Rulon	1	1-125407	1-125407	1-125407
18	TCS	Drive Shaft Gear	1	226135-1	226135-1	226135-2
19	TCS	Cotter Pin, 3/16 X 1-1/4	1	13-052870	13-052870	1-126319
20	TCS	Drive Shaft Pin 1/4 X 1-3/32	1	1-126913	1-126913	1-126914
21	TCS	Cotter Pin, 1/16 X 1/2	1	1-126318	1-126318	1-126318
22	TCS	Seal Pin	1	1-019602	1-019602	1-126929
23	TCS	Seal Wire and Seal	1	1-118849	1-118849	1-118849
24	TCS	Compensator Shaft	1	1-224081	1-224081	1-224119
25	TCS	Nut, 5/16-18	1	2-050301	2-050301	1-126320
26	TCS	Compensating Washer	1	1-126927	1-126927	1-126927
27	TCS	Index Disc	1	1-126931	1-126931	1-126931
28	TCS	Index Plate	1	1-226085	1-226085	1-130853
29	TCS	Compression Spring	1	1-130935	1-130935	1-130935
30	TCS	Compensator Shaft Seal Kit	1	227000-1	227000-1	227000-8
31	TCS	Screw, 7/16-14 X 1-1/4	10	3-230958	3-230958	1-130879
32	TCS	Retaining Ring, 0.320 ID X 0.025 T	1	12-053420	12-053420	-
33	TCS	Bearing Retainer, Plunger	3	1-126957	1-126957	1-126957
34	TCS	Plunger Screw, 10-32 X 3/8	12	1-126329	1-126329	1-126329
35	TCS	Bearing Seat, Plunger	3	1-219378	1-219378	1-130908
36	TCS	Piston Connector, Plunger	3	1-126939	1-126939	1-126939
37	TCS	Plunger Disc	3	1-126878	1-126878	1-126878
38	TCS	Plunger Cup Kit (3 Cups)	1	218769-1	218769-1	218769-1
39	TCS	Plunger Cup Support	3	1-126876	1-126876	1-126876
40	TCS	Plunger Assembly	3	226182-2	226182-2	226182-2
41	TCS	Nut, 1/4-20	3	1-126321	1-126321	1-126321
42	TCS	Washer, 1/4 Split Lock	3	1-126317	1-126317	1-126317
43	TCS	Slack Roller Assembly	1	219800-1	219800-1	219800-2
44	TCS	Washer, Rulon	1	1-125103	1-125103	1-125104
45	TCS	Slack Spring Assembly	1	221403-2	221403-2	221403-5
46	TCS	Ball, 1/4 Diameter	3	1-124588	1-124588	2-130905
47	TCS	Wobble Plate and Post Assembly	1	219331-1	219331-1	219901-2
48	TCS	Wear Plate	1	1-217934	1-217934	1-217934
49	TCS	Ball, 5/8 Diameter	1	1-125046	1-125046	1-130905
50	TCS	Main Pivot Assembly	1	219572-4	219572-4	219572-4
51	TCS	Compensating Pinion	1	1-129607	1-129607	2-129607
52	TCS	Screw, 1/4-20 X 3/4	3	1-126327	1-126327	1-126327
53	TCS	Main Pivot Bracket Assembly	1	218236-4	218236-4	219260-6
54	TCS	Slotted Screw, 1/4-20 X 1	3	1-126962	1-126962	1-126962
55	TCS	Screw, 1/4-20 X 1	6	1-126326	1-126326	1-126326
56	TCS	Bracket	1	3-218608	3-218608	6-218608
57	TCS	Valve	1	1-219330	1-219330	220496-2
58	TCS	Seat	1	1-038618	1-038618	1-310336
59	TCS	Seat Gasket, Teflon	1	1-038619	1-038619	1-038619
60	TCS	Body, Seat and Pin Assembly	1	227093-2	227093-2	227093-4
61	TCS	Bolt, 1/2-13 X 1-3/4	8	5-230958	5-230958	
62	TCS	1 1/2" Flange	2	1-226166	1-226166	
63	TCS	Flange Gasket	2	2-221453	2-221453	2-221453
64	TCS	Nut, 1/2-13	8	1-231174	1-231174	

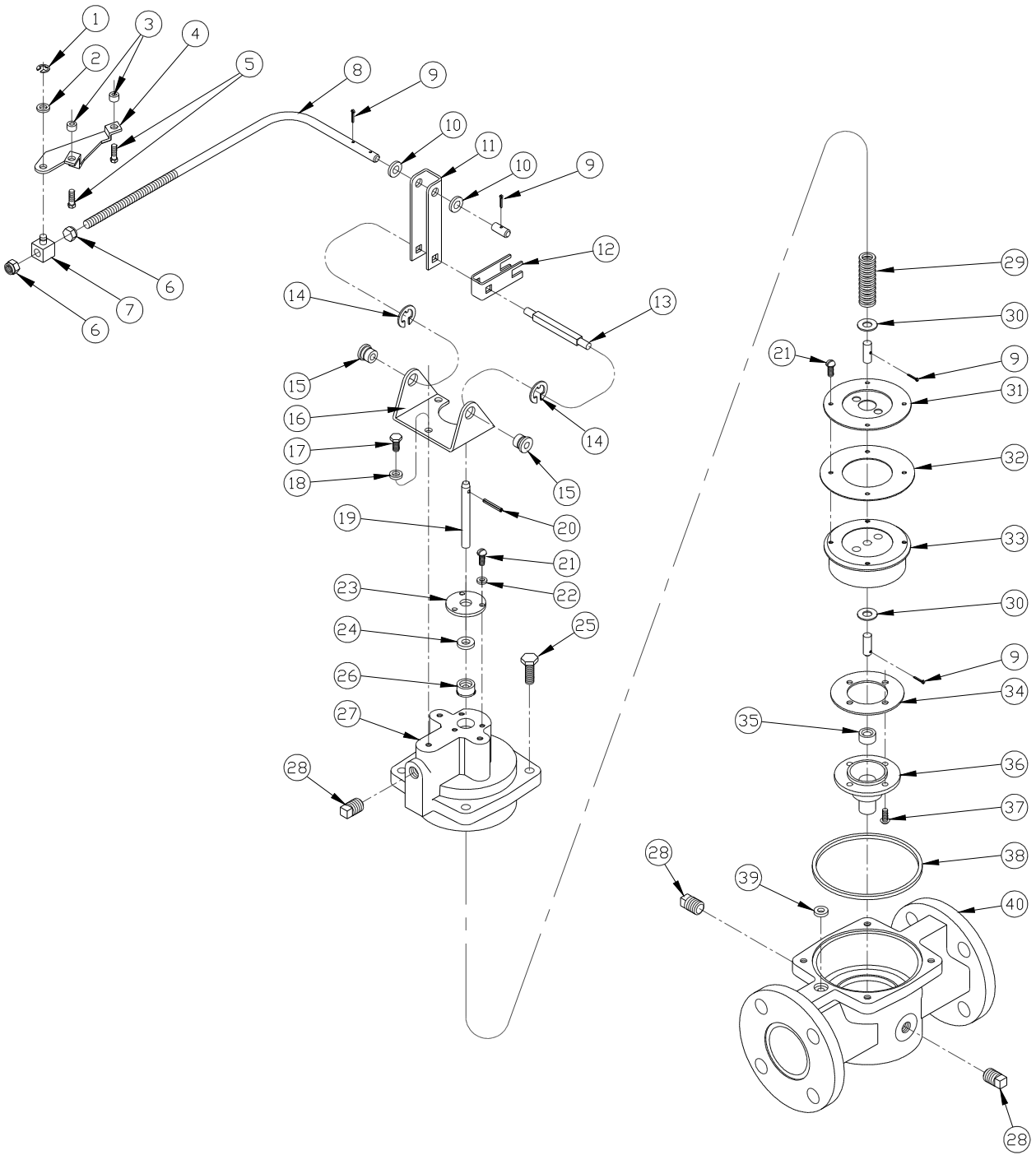
640 AIR ELIMINATOR ASSEMBLY



640 AIR ELIMINATOR ASSEMBLY

ITEM#	DESCRIPTION	QTY	AF	SS
1	Cover	1	64002-2	64002-3
2	Bracket Assembly	1	64019	64019
3	Lock Washer	3	1-126316	1-126316
4	Screw	3	64010	64010
5	Short Link Pin	2	64023	64023
6	Connecting Arm	2	64007	64007
7	Lever Arm	1	64006	64006
8	Cotter Pin	6	1-126318	1-126318
9	Float Assembly	1	64005	64005
10	Pipe Plug	1	2-051913	2-126146
11	Base	1	64003-2	64003-3
12	Gasket	1	64004	64004
13	Shut Off Arm	1	64015	64015
14	Long Link Pin	2	64012	64012
15	Shut Off Valve	1	64016	64016
16	Valve Seat	1	64001	64001
17	External Valve O-Ring	1	64013	64013
18	Internal Valve O-Ring	1	64014	64014
19	Screw	10	64021	64021

650 HYDRUALIC VALVE ASSEMBLY



650 HYDRUALIC VALVE ASSEMBLY

ITEM#	DESCRIPTION	QTY	AF	SS
1	Retaining Ring	1	6-052482	6-052482
2	Washer, Flat	1	65034	65034
3	Spacer	2	1-130852	1-130852
4	Preset Bracket	1	1-226102	1-226102
5	Screw	2	65005	65005
6	Locknut	2	65008	65008
7	Swivel Block	1	1-128140	1-128140
8	Connecting Link	1	65025	65025
9	Cotter Pin	4	1-126318	1-126318
10	Washer	2	65003	65003
11	Actuating Arm	1	65016	65016
12	Lifter	1	65010	65010
13	Valve Handle Shaft	1	65005	65005
14	Retaining Ring	2	65026	65026
15	Shaft Bearing	2	65004	65004
16	Bracket	1	65012	65012
17	Screw, 1/4-20 X 1/2	3	65032	65032
18	Washer, Split Lock	3	1-126317	1-126317
19	Valve Stem	1	65018	65018
20	Roll Pin, 5/32 X 1	1	65027	65027
21	Screw, 10-24 X 1/2	7	1-128279	1-128279
22	Washer	3	1-126316	1-126316
23	Compression Washer	1	1-130872	2-130872
24	Spacer	1	1-130893	1-130893
25	Screw, 5/16-18 X 1	4	65033	65033
26	Packing Seal	1	600102	600102
27	Cover	1	65031-2	65031-4
28	Pipe Plug	3	2-051913	2-126146
29	Poppet Spring	1	65007	65007
30	Washer, Flat	2	65035	65035
31	Plunger Cup Support	1	65014	65014
32	Plunger Cup	1	65013	65013
33	Plunger	1	65030	65030
34	Valve Disc	1	65009	65009
35	Valve Seat	1	65006	65006
36	Poppet Guide	1	65029	65029
37	Screw, 10-24 X 5/8	4	2-128279	2-128279
38	Gasket	1	65021	65021
39	O-Ring	1	65001	65001
40	Valve Body Assembly	1	65017-2	65017-4

MFG	PART #	DESCRIPTION	LIST
TCS	1-019602	SEAL PIN	\$2.85
TCS	1-038618	VALVE SEAT, AF/SP	\$61.49
TCS	1-038619	SEAT GASKET, TEFLON	\$25.87
TCS	1-114815	DRIVE SHAFT, AF/SP	\$9.69
TCS	1-118849	SEAL WIRE AND SEAL	\$0.57
TCS	1-124588	1/2" SS BALL, AF/SP	\$0.93
TCS	1-125046	5/8" SS BALL, AF/SP	\$2.19
TCS	1-125095	WASHER, 9/16 OD X .010 T	\$0.79
TCS	1-125103	WASHER, .863 OD X .030 T	\$1.23
TCS	1-125104	WASHER	\$0.93
TCS	1-125120	RULON WASHER, 3/4 OD X .015 T	\$0.79
TCS	1-125407	WASHER, 7/8 OD X .015 RULON	\$1.40
TCS	1-126316	WASHER, #10 SPLIT LOCK 316 SS	\$0.04
TCS	1-126317	WASHER, 1/4 SPLIT LOCK	\$0.14
TCS	1-126318	COTTER PIN 1/16 X 1/2 316 SS	\$0.35
TCS	1-126319	COTTER PIN 1/16 X 1/4 316 SS	\$0.17
TCS	1-126320	HEX NUT, 5/16-18 316 SS	\$0.35
TCS	1-126321	HEX NUT, 1/4-20 316 SS	\$0.31
TCS	1-126326	SCREW, 1/4-20 X 1 HEX HD 316 SS	\$0.75
TCS	1-126327	SCREW, 1/4-20 X 3/4 RND HD 316 SS	\$0.83
TCS	1-126329	SCREW, 10-32 X 3/8 RND HD 316 SS	\$0.40
TCS	1-126333	SCREW, 3/8-16 X 11/8 HEX 316 SS	\$1.32
TCS	1-126334	WASHER, 3/8 SPLIT LOCK 316 SS	\$0.26
TCS	1-126876	PLUNGER CUP SUPPORT	\$5.75
TCS	1-126878	PLUNGER DISC	\$4.61
TCS	1-126900	DRIVE SHAFT, SS	\$9.20
TCS	1-126913	DRIVE SHAFT PIN, AF/SP	\$2.19
TCS	1-126914	DRIVE SHAFT PIN, SS	\$16.19
TCS	1-126927	COMPENSATING WASHER, 316 SS	\$1.98
TCS	1-126929	SEAL PIN	\$10.16
TCS	1-126931	INDEX DISC	\$8.73
TCS	1-126939	PISTON CONNECTOR, 316 SS	\$15.06
TCS	1-126957	BEARING RETAINER, 316 SS	\$0.61
TCS	1-126962	SCREW, 1/4-20X1 SLOTTED 316 SS	\$0.71
TCS	1-128140	SWIVEL BLOCK	\$20.97
TCS	1-128279	SCREW, 10-24X1/2 RND HD 316 SS	\$0.40
TCS	1-129607	COMPENSATING PINION	\$5.14
TCS	1-130852	SPACER	\$7.81
TCS	1-130853	INDEX PLATE, SS	\$7.77
TCS	1-130872	COMPRESSION WASHER, AF/SP	\$1.93
TCS	1-130879	SCREW, 7-16-14 X 11/4 HEX 316 SS	\$1.19
TCS	1-130893	SPACER	\$6.45

MFG	PART #	DESCRIPTION	LIST
TCS	1-130905	5/8" CERAMIC BALL, SS	\$29.65
TCS	1-130908	BEARING SEAT 316 SS	\$11.84
TCS	1-130935	COMPRESSION SPRING	\$1.09
TCS	1-217934	WEAR PLATE	\$4.60
TCS	1-219330	VALVE, AF/SP	\$62.81
TCS	1-219378	BEARING SEAT, AF/SP	\$2.77
TCS	1-224081	COMPENSATOR SHAFT, AF/SP	\$8.56
TCS	1-224119	COMPENSATOR SHAFT, SS	\$27.41
TCS	1-226085	INDEX PLATE, AF/SP	\$5.00
TCS	1-226102	PRESET BRACKET	\$15.83
TCS	1-226166	1 1/2" FLANGE, AF/SP	\$28.60
TCS	1-231174	HEX NUT, 1/2-13 ZINC	\$0.22
TCS	1-310336	VALVE SEAT, SS	\$530.22
TCS	1-312518	COUNTER SUPPORT	\$40.93
TCS	1-315423	BODY GASKET, TEFLON	\$38.00
TCS	2-050301	NUT 5/16-18 HEX STEEL	\$0.08
TCS	2-051913	PIPE PLUG, 1/2 STL NICKEL PLT	\$0.79
TCS	2-126146	SOLID PIPE PLUG 1/4" 316 SS	\$5.00
TCS	2-128279	SCREW, 10-24 X 5/8	\$0.79
TCS	2-129607	COMPENSATING PINION	\$41.76
TCS	2-130872	COMPRESSION WASHER, SS	\$8.12
TCS	2-130905	1/2" CERAMIC BALL, SS	\$16.40
TCS	2-221453	TEFLON FLANGE GASKET 1 1/2"	\$5.31
TCS	12-053420	RETAINING RING, .320 ID X .025 T	\$.71
TCS	13-052870	COTTER PIN, 1/16 X 1/4	\$0.08
TCS	15-050641	WASHER, 3/8 SPLIT KANTLINK	\$0.14
TCS	218236-4	MAIN PIVOT CI BKT ASSY	\$81.05
TCS	218769-1	PLUNGER CUP (3 CUPS)	\$10.71
TCS	219260-6	MAIN PIVOT ST STL BKT ASSY	\$350.39
TCS	219331-1	WOBBLE PLATE ASSY, AF/SP	\$41.14
TCS	219572-4	MAIN PIVOT ASSY	\$28.07
TCS	219800-1	SLACK ROLLER, AF/SP	\$13.51
TCS	219800-2	SLACK ROLLER, SS	\$24.29
TCS	219901-2	WOBBLE PLATE ASSY, SS	\$310.97
TCS	220496-2	VALVE & INSERT ASSY SS	\$405.26
TCS	221403-2	SLACK SPRING ASSY AF/SP	\$30.71
TCS	221403-5	SLACK SPRING ASSY SS	\$36.14
TCS	226135-1	DRIVE SHAFT GEAR AF/SP	\$26.80
TCS	226135-2	DRIVE SHAFT GEAR SS	\$36.66
TCS	226136-1	COUNTER DRIVE GEAR AF/SP	\$24.87
TCS	226136-2	COUNTER DRIVE GEAR SS	\$48.34
TCS	226182-2	PLUNGER ASSEMBLY	\$49.92
TCS	226199-1	DRIVE SHAFT PACKING KIT	\$66.04
TCS	227000-1	COMPENSATOR SHAFT SEAL KIT	\$63.86

MFG	PART #	DESCRIPTION	LIST
TCS	226199-8	DRIVE SHAFT PARKING KIT SS	\$65.63
TCS	227000-8	COMPENSATOR SEAL KIT	\$48.76
TCS	227006-1	COVER & POST ASSY - AF/SP	\$295.22
TCS	227006-3	COVER & POST ASSY - SS	\$1,702.72
TCS	227093-2	BODY, SEAT & PIN - AF/SP	\$677.11
TCS	227093-4	BODY, SEAT & PIN - SS	\$4,049.43
TCS	287-50001	SCREW, 10-24 X 1/2 RND HEAD ZINC	\$0.40
TCS	297-050361	SCREW, 3/8-16 X 1 HEX ZINC	\$0.26
TCS	3-130752	ROLL PIN, 1/8 X 5/8 316 SS	\$0.31
TCS	3-218608	BRACKET, AF/SP	\$46.58
TCS	3-230958	SCREW, 7/16-14 X 1 1/4 HEX ZINC	\$0.40
TCS	49-052910	ROLL PIN 5/32 X 5/8 SS 420	\$0.31
TCS	5-230958	SCREW, 1/2-13X 13/4 HEX ZINC	\$0.75
TCS	6-052482	RETAINING RING	\$0.48
TCS	6-218608	BRACKET, SS	\$85.53
TCS	600102	PACKING SEAL	\$38.42
TCS	64001	VALVE SEAT	\$71.88
TCS	64002-2	COVER, AF	\$179.65
TCS	64002-3	COVER, SS	\$570.04
TCS	64003-2	BASE, AF	\$481.84
TCS	64003-3	BASE, SS	\$1,744.08
TCS	64004	GASKET	\$24.13
TCS	64005	FLOAT ASSEMBLY	\$23.16
TCS	64006	LEVER ARM	\$15.57
TCS	64007	CONNECTING ARM	\$13.42
TCS	64010	12-24 X 1/2 SCREW 316 SS	\$0.40
TCS	64012	LONG LINK PIN	\$14.03
TCS	64013	O-RING, EXTERNAL VALVE	\$13.16
TCS	64014	O-RING, INTERNAL VALVE	\$110.97
TCS	64015	SHUT OFF ARM	\$37.45
TCS	64016	SHUT OFF VALVE	\$43.77
TCS	64019	BRACKET WITH STAND OFF	\$85.00
TCS	64021	HEX BOLT, SS 3/8 X 3/4	\$1.05
TCS	64023	SHORT LINK PIN	\$9.87
TCS	65001	ORING	\$6.58
TCS	65003	WASHER	\$0.08
TCS	65004	SHAFT BEARING	\$12.59
TCS	65005	VALVE HANDLE SHAFT	\$22.15
TCS	65006	VALVE SEAT	\$14.13
TCS	65007	POPPET SPRING	\$26.14
TCS	65008	5/16-18 LOCKNUT 316 SS	\$0.71
TCS	65009	VALVE DISC	\$20.26
TCS	65010	LIFTER	\$20.87
TCS	65012	BRACKET	\$20.61
TCS	65013	PLUNGER CUP	\$34.69

MFG	PART #	DESCRIPTION	LIST
TCS	65014	PLUNGER CUP SUPPORT	\$32.89
TCS	65016	ACTUATING ARM	\$21.05
TCS	65018	VALVE STEM	\$55.17
TCS	65017-2	VALVE BODY ASSY, AF	\$581.19
TCS	65017-4	VALVE BODY ASSY, SS	\$1,393.86
TCS	65021	GASKET	\$12.28
TCS	65025	CONNECTING LINK	\$50.35
TCS	65026	RETAINING RING	\$0.79
TCS	65027	ROLL PIN 5/32 X 1 ZINC PLATED	\$0.53
TCS	65029	POPPET GUIDE	\$227.41
TCS	65030	PLUNGER	\$212.72
TCS	65031-2	VALVE COVER, AF	\$111.84
TCS	65031-4	VALVE COVER, SS	\$988.77
TCS	65032	SCREW, 1/4-20X1/2 18-8	\$0.40
TCS	65033	SCREW, 5/16-18 X 1 316SS	\$1.05
TCS	65034	ZINC FLAT WASHER	\$0.22
TCS	68-311105	BODY GASKET, SYN. RUBBER	\$24.13

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