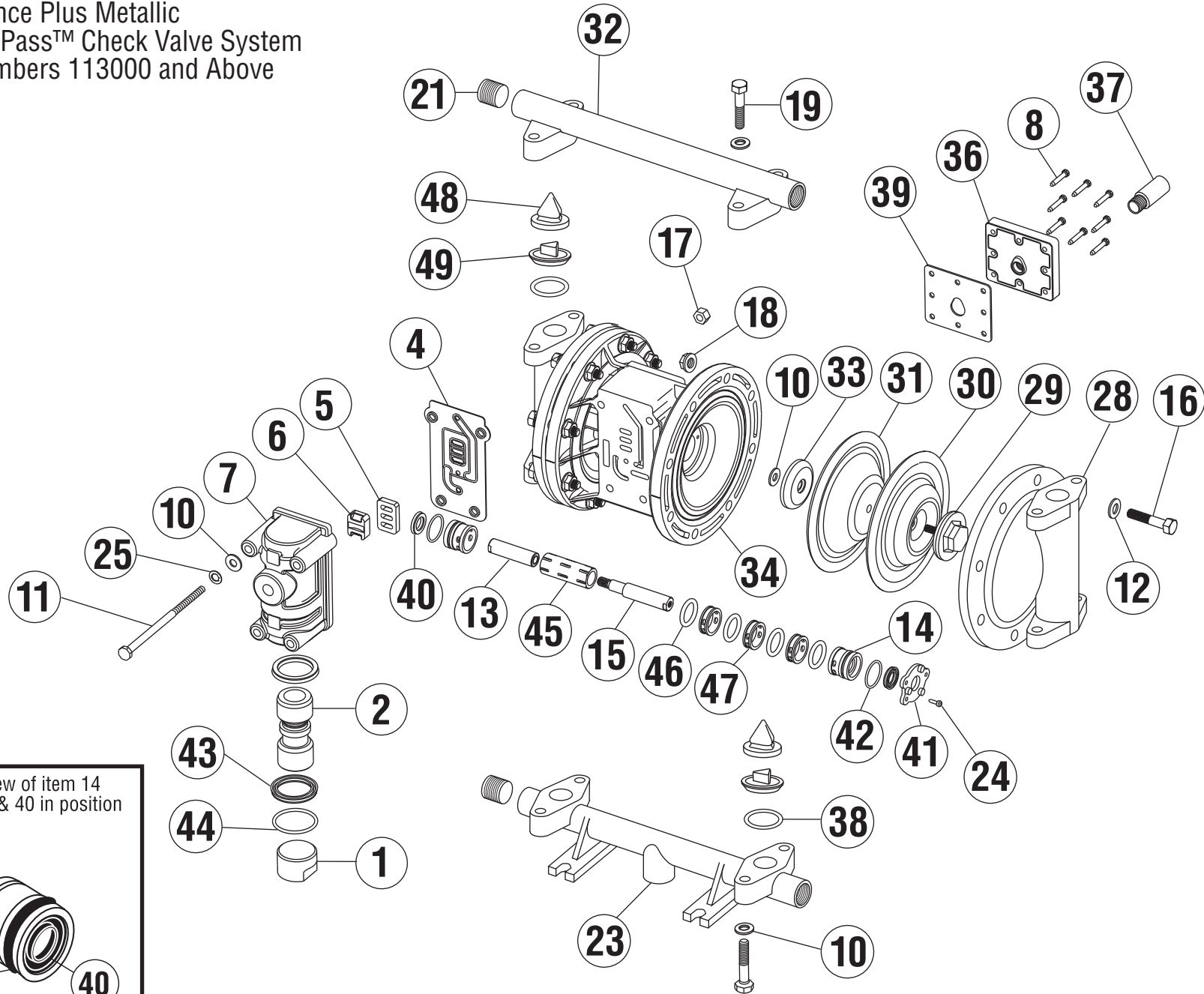
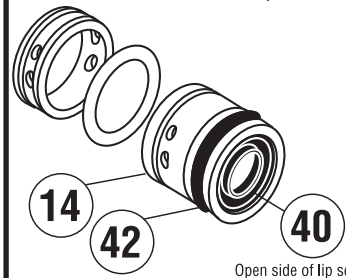


1/2" MODEL

Performance Plus Metallic
with Max-Pass™ Check Valve System
Serial Numbers 113000 and Above



Enlarged view of item 14
with items 42 & 40 in position



Open side of lip seal
towards diaphragm

**1/2" PERFORMANCE PLUS METALLIC MODELS
MAX-PASS VALVE CONFIGURATION**

SEPTEMBER 2008

ITEM	DESCRIPTION	QTY PER PUMP	MODELS	PART NO.	MATERIAL
1	AIR VALVE END PLUG	1	ALL MODELS	11703-60	POLYPRO
2	AIR VALVE SPOOL	1	ALL MODELS	10480-31	ACETAL
4	AIR VALVE GASKET	1	ALL MODELS	12116-19	NITRILE
5	SHUTTLE PLATE	1	ALL MODELS	10416-77	CERAMIC
6	SHUTTLE	1	ALL MODELS	10415-00	SPECIAL
7	AIR VALVE BODY	1	ALL MODELS	11614-60	POLYPRO
8	SLT WSHD SCREW (#8 X 1")	8	ALL MODELS	12525-26	SS
10	FLAT WASHER (1/4")	14	ALL MODELS	12300-26	SS
11	CAP SCREW (1/4" X 4-1/2")	4	ALL MODELS	12513-26	SS
12	FLAT WASHER (5/16")	16	ALL MODELS	12314-26	SS
13	DIAPHRAGM ROD (Short)	1	ALL MODELS	*	SS
14	END SPACER (Pilot Sleeve)	2	ALL MODELS	10204-40	POLYPRO
15	DIAPHRAGM ROD (Long)	1	ALL MODELS	*	SS
16	HEX BOLT (5/16" X 1-3/8")	16	ALL MODELS	12546-26	SS
17	HEX NUT (1/4" - 20)	4	ALL MODELS	12600-26	SS
18	FLANGE HEX NUT (5/16" - 18)	16	ALL MODELS	12608-26	SS
19	HEX HEAD (1/4" - 20 X 1-3/4")	8	ALL MODELS	12500-26	SS
21	MANIFOLD PLUG	3	A -PUMPS S -PUMPS	12208-20 12208-26	AL SS
23	SUCTION MANIFOLD	1	A -PUMPS S -PUMPS	10514-20 10514-26	AL SS
24	SELF TAP SCREW (#6 X 1/2")	6	ALL MODELS	12510-26	SS
25	LOCK WASHER	4	ALL MODELS	12350-26	SS
28	OUTER CHAMBER	2	A -PUMPS S -PUMPS	10720-20-MP 10720-26-MP	AL SS
29	OUTER DIAPHRAGM PLATE	2	A -PUMPS S -PUMPS	11208-20 11208-26	AL SS
30	OVERLAY	2	AT, SP	11400-59	PTFE
31	DIAPHRAGM	2	AB, SB AE, AT, SE, SP AV,SV	10600-19 10600-23 10600-13	GEOLAST SANTO VITON
32	DISCHARGE MANIFOLD	1	A-PUMPS S-PUMPS	10520-20-MP 10520-26-MP	AL SS
33	INNER DIAPHRAGM PLT	2	ALL MODELS	11100-40	POLYPRO
34	INTERMEDIATE	1	ALL MODELS	11521-60	POLYPRO
36	MUFFLER PLATE	1	ALL MODELS	13111-60	POLYPRO
37	EXTERNAL MUFFLER	1	ALL MODELS	13008-00	

ITEM	DESCRIPTION	QTY PER PUMP	MODELS	PART NO.	MATERIAL
38	O-RING (Max-Pass Valve)	4	AB, SB AT, SP AE, SE AV, SV	11904-11 11904-17 11904-15 11904-13	NITRILE PTFE EPDM VITON
39	GASKET (Muffler Plate)	1	ALL MODELS	12117-19	NITRILE
40	LIP SEAL (Dia. Rod)	2	ALL MODELS	12000-76	NITRILE
41	RETAINING PLATE	2	ALL MODELS	12708-40	POLYPRO
42	O-RING (End Spacer)	2	ALL MODELS	11923-11	NITRILE
43	AIR VALVE LIP SEAL	2	ALL MODELS	12003-76	NITRILE
44	O-RING (Valve end plug)	1	ALL MODELS	11913-11	NITRILE
45	PILOT SLEEVE	1	ALL MODELS	10105-31	ACETAL
46	O-RING	4	ALL MODELS	11920-16	URETHANE
47	INNER SPACER (Pilot Sleeve)	3	ALL MODELS	10203-40	POLYPRO
48	MAX-PASS VALVE	4	AB, SB AE,AT,SE,SP AV, SV	10915-11 10915-15 10915-13	NITRILE EPDM VITON
49	MAX-PASS BACK-UP	4	S-PUMPS AB, AE AT, AV	10923-26 10923-40 10923-46	SS POLYPRO COND. NYLON

*** NOTE: DIAPHRAGM ROD AVAILABLE ONLY AS AN ASSEMBLY.**

DIAPHRAGM ROD ASSEMBLY Items 13 & 15	1	ALL MODELS	33000-00	SS
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OPTIONAL ASSEMBLIES AVAILABLE

AIR VALVE ASSEMBLY Items 1, 2, 4, 5, 6, 7, 43, 44	1	ALL MODELS	42000-60	POLYPRO
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PILOT SLEEVE ASSEMBLY Items 14, 40, 42, 45, 46, 47	1	ALL MODELS	41000-00	VARIOUS
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REPAIR KITS - WET END Includes items 31, 38, 48, 49 & (30 - Used in pumps built w/ PTFE) To order a wet end repair kit, add "KIT" to the pump model. e.g. AB-05 KIT				
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NOTES:

1. SS = STAINLESS STEEL AL = ALUMINUM