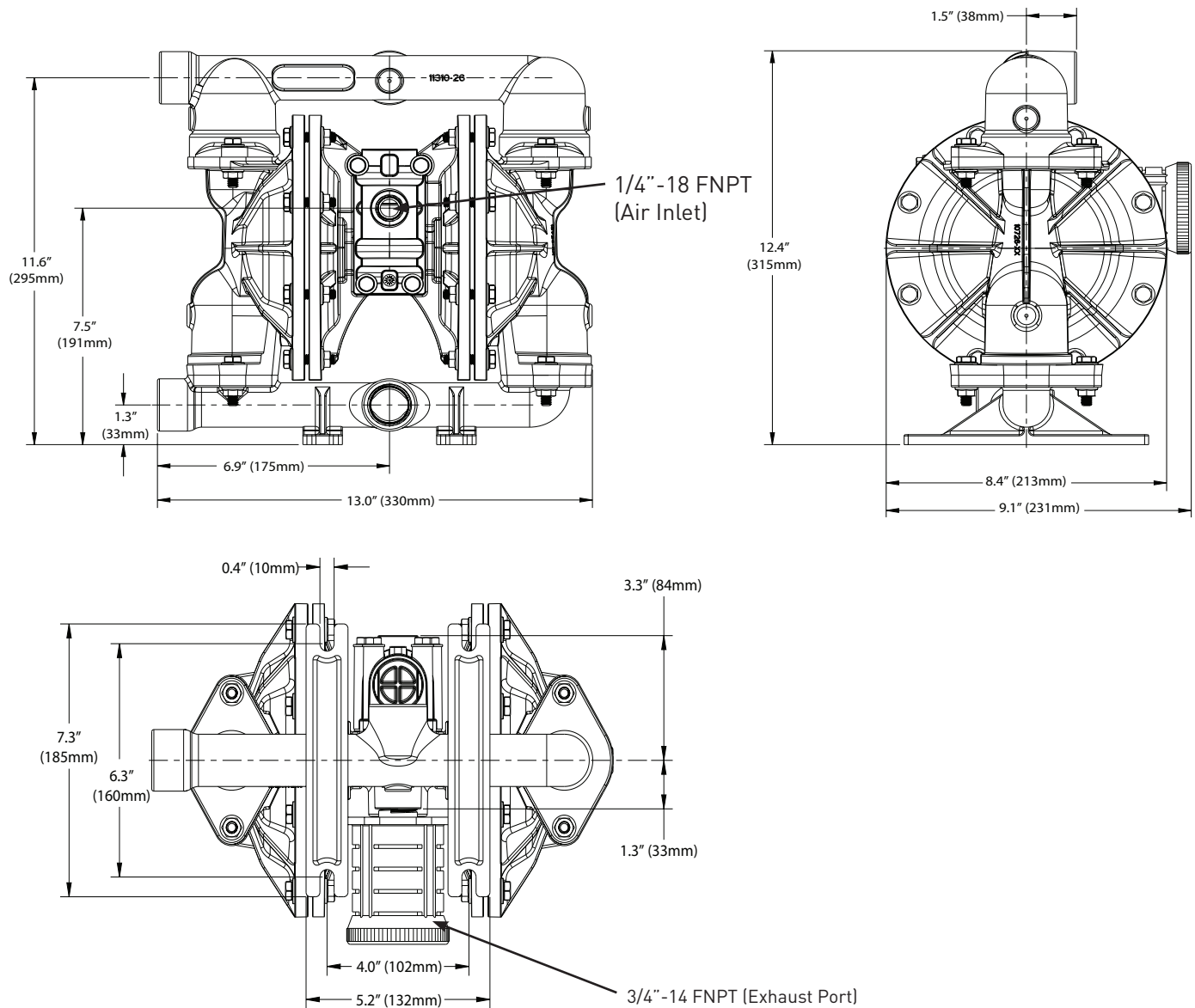


1" PUMP DIMENSIONS

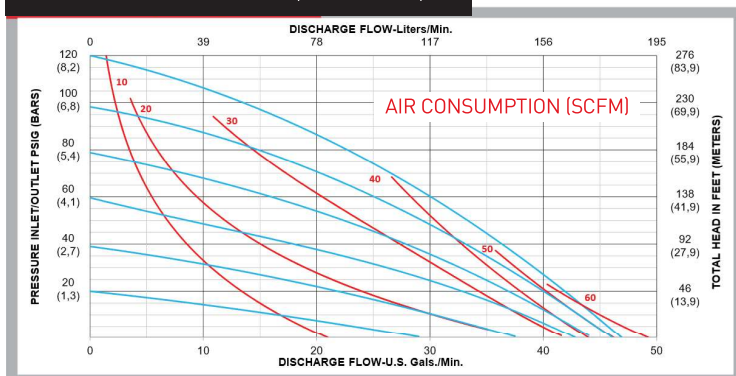
ALUMINUM & STAINLESS STEEL



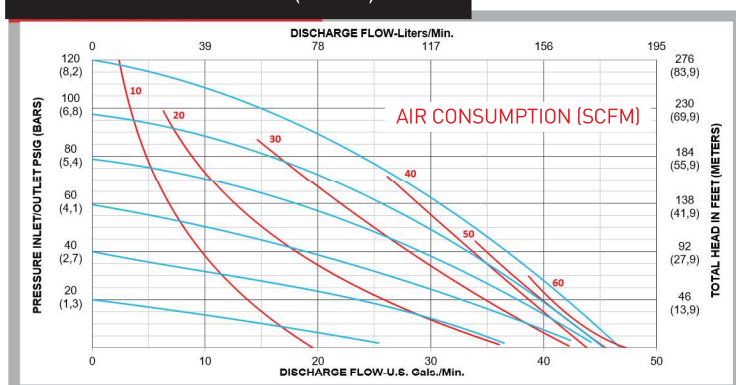
*Note - Suction Center Front / Discharge Center Rear are default ports. See part number matrix option code for additional porting options.

**Note - Standard Muffler Shown

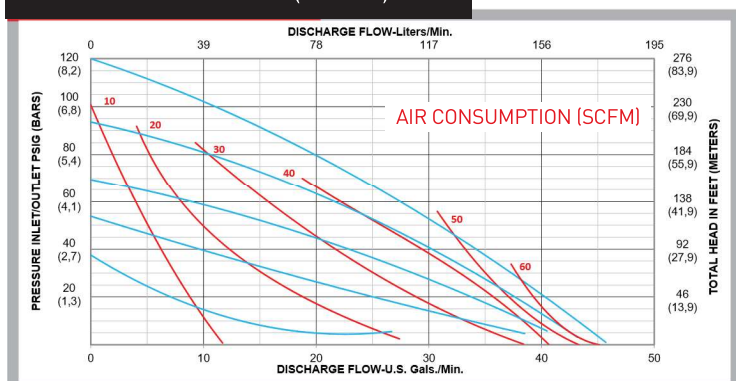
PERFORMANCE CURVES

PERFORMANCE CURVE (1" RUBBER)*

Performance Specifications

Max. Flow:	48 gpm (182 lpm)
Max. Air Pressure:	120 psi (8.3 bar)
Max. Solids:	1/4" (6.4 mm)
Max. Suction Lift Dry:	17 ft-H ₂ O (5.2 m-H ₂ O)
Max. Suction Lift Wet:	30 ft-H ₂ O (9.1 m-H ₂ O)
Weight:	AL-18 lbs (8 kg) / SS-38 lbs (17 kg)
Air Inlet:	1/4" FNPT
Liquid Inlet:	1" FNPT or 1" FBSPT
Liquid Outlet:	1" FNPT or 1" FBSPT
Height:	12.4" (315 mm)
Width:	13.0" (330 mm)
Depth:	8.4" (213 mm)

PERFORMANCE CURVE (1" TPE)*

Performance Specifications

Max. Flow:	48 gpm (182 lpm)
Max. Air Pressure:	120 psi (8.3 bar)
Max. Solids:	1/4" (6.4 mm)
Max. Suction Lift Dry:	17 ft-H ₂ O (5.2 m-H ₂ O)
Max. Suction Lift Wet:	30 ft-H ₂ O (9.1 m-H ₂ O)
Weight:	AL-18 lbs (8 kg) / SS-38 lbs (17 kg)
Air Inlet:	1/4" FNPT
Liquid Inlet:	1" FNPT or 1" FBSPT
Liquid Outlet:	1" FNPT or 1" FBSPT
Height:	12.4" (315 mm)
Width:	13.0" (330 mm)
Depth:	8.4" (213 mm)

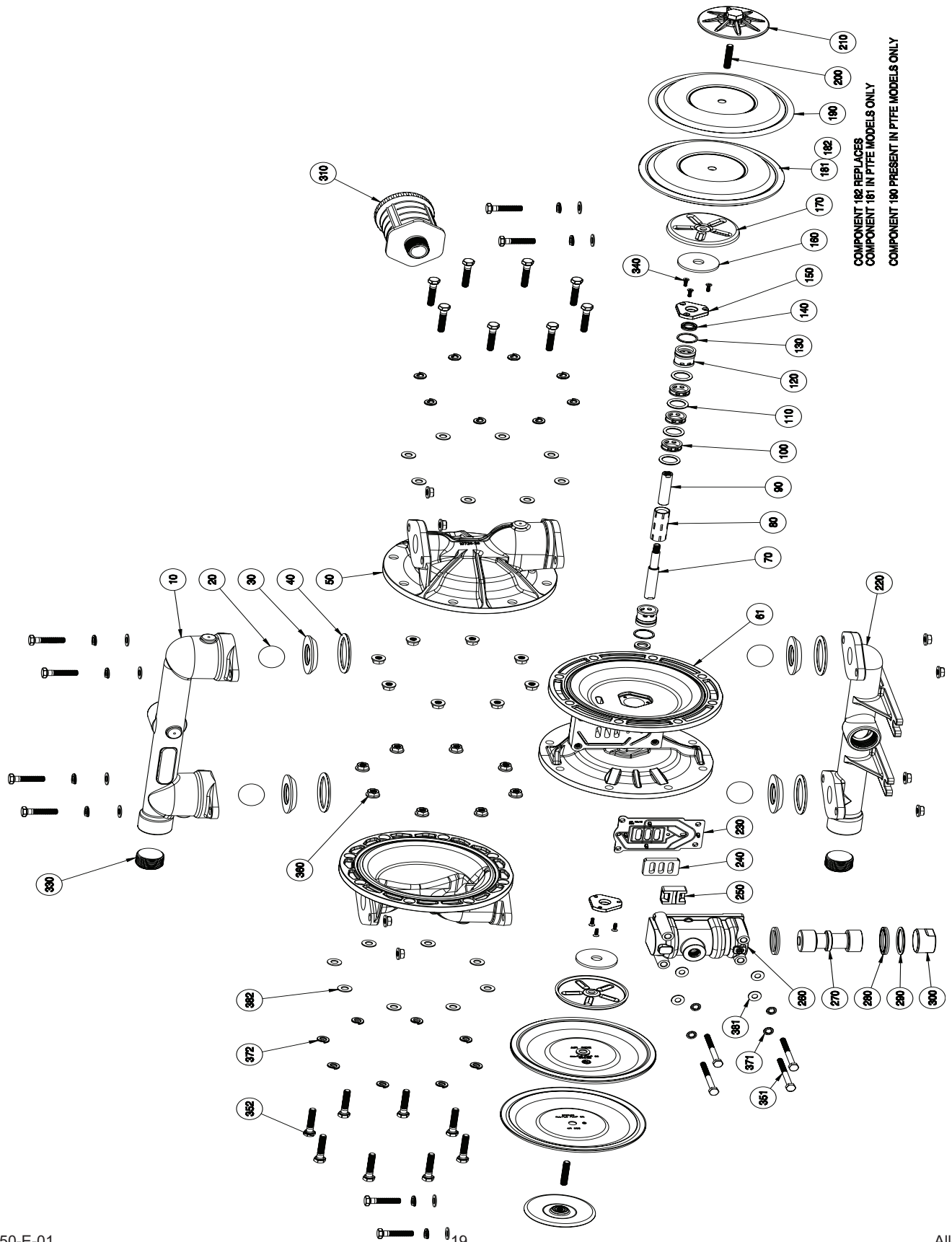
PERFORMANCE CURVE (1" PTFE)*

Performance Specifications

Max. Flow:	45 gpm (170 lpm)
Max. Air Pressure:	120 psi (8.3 bar)
Max. Solids:	1/4" (6.4 mm)
Max. Suction Lift Dry:	17 ft-H ₂ O (5.2 m-H ₂ O)
Max. Suction Lift Wet:	30 ft-H ₂ O (9.1 m-H ₂ O)
Weight:	AL-18 lbs (8 kg) / SS-38 lbs (17 kg)
Air Inlet:	1/4" FNPT
Liquid Inlet:	1" FNPT or 1" FBSPT
Liquid Outlet:	1" FNPT or 1" FBSPT
Height:	12.4" (315 mm)
Width:	13.0" (330 mm)
Depth:	8.4" (213 mm)

*Flow rates indicated on all three charts shown were determined by pumping water at flooded suction. For optimum life and performance, pumps should be specified so that daily operation parameters will fall in the center of the pump performance curve.

EXPLODED VIEW & PARTS LIST

A100-*A*-*****-*** ALUMINUM & STAINLESS STEEL



PARTS LIST - ALUMINUM & STAINLESS STEEL

A100-*A*-****-***

ITEM	DESCRIPTION	QTY	PUMP MODEL	PART NO.	MATERIAL
10	DISCHARGE MANIFOLD	1	A100-NAA-****-0**	11310-20-NPT	Aluminum
			A100-BAA-****-0**	11310-20-BSPT	Aluminum
			A100-NA3-****-0**	11310-26-NPT	Stainless Steel
			A100-BA3-****-0**	11310-26-BSPT	Stainless Steel
20	BALL	4	A100-*A*-*V**-*	11008-13 †	FKM
			A100-*A*-*E**-*	11008-15 †	EPDM
			A100-*A*-*G**-*	11008-19 †	Geolast®
			A100-*A*-*N**-*	11008-21 †	Buna-N
			A100-*A*-*S**-*	11008-23 †	Santoprene®
			A100-*A*-*3**-*	11008-26 †	Stainless Steel
			A100-*A*-*T**-*	11008-45 †	PTFE
30	VALVE SEAT	4	A100-*A*-**A**-*	10927-20 †	Aluminum
			A100-*A*-**3**-*	10927-26 †	Stainless Steel
			A100-*A*-**P**-*	10927-39 †	Polypropylene
			A100-*A*-**Y**-*	10927-42 †	Nylon
40	O-RING (VALVE SEAT)	4	A100-*A*-***N**-*	11947-11 †	Nitrile
			A100-*A*-***V**-*	11947-13 †	FKM
			A100-*A*-***E**-*	11947-15 †	EPDM
			A100-*A*-***T**-*	11947-17 †	PTFE
50	OUTER CHAMBER	2	A100-*AA-****-***	10726-20	Aluminum
			A100-*A3-****-***	10726-26	Stainless Steel
61	INTERMEDIATE	1	A100-*A*-****-***	11526-20	Aluminum
70 & 90	DIAPHRAGM ROD ASSEMBLY	1	ALL MODELS	35005-00	Stainless Steel
80	PILOT SLEEVE	1	ALL MODELS	10105-31 Δ	Acetel
100	INNER SPACER (PILOT SLEEVE)	3	ALL MODELS	10203-40 Δ	Polypropylene
110	O-RING (PILOT SLEEVE)	4	ALL MODELS	11920-16 Δ	Urethane
120	END SPACER (PILOT SLEEVE)	2	ALL MODELS	10209-40 Δ	Polypropylene
130	O-RING (END SPACER)	2	ALL MODELS	11923-16 Δ	Urethane
140	LIP SEAL (DIAPHRAGM ROD)	2	ALL MODELS	12000-76 Δ	Nitrile
150	RETAINING PLATE	2	ALL MODELS	12718-54	Nylon
160	BUMPER	2	ALL MODELS	12325-16	Urethane
170	INNER DIAPHRAGM PLATE	2	ALL MODELS	11104-25	Plated Steel
181	DIAPHRAGM	2	A100-*A*-N***-***	10612-11 †	Buna-N
			A100-*A*-V***-***	10612-13 †	FKM
			A100-*A*-E***-***	10612-15 †	EPDM
			A100-*A*-G***-***	10612-19 †	Geolast®
			A100-*A*-S***-***	10612-23 †	Santoprene®
182	DIAPHRAGM, BACKUP (PTFE ONLY)	2	A100-*A*-T***-***	10613-23 †	Santoprene®
190	PTFE OVERLAY (PTFE ONLY)	2	A100-*A*-T***-***	11409-59 †	PTFE
200&210	OUTER DIAPHRAGM PLATE WITH STUD	2	A100-*AA-****-***	11220-20	Aluminum
			A100-*A3-****-***	11220-26	Stainless Steel
220	SUCTION MANIFOLD	1	A100-NAA-****-0**	11311-20-NPT	Aluminum
			A100-BAA-****-0**	11311-20-BSPT	Aluminum
			A100-NA3-****-0**	11311-26-NPT	Stainless Steel
			A100-BA3-****-0**	11311-26-BSPT	Stainless Steel
230	AIR VALVE GASKET	1	ALL MODELS	12125-19 ‡	Nitrile
240	SHUTTLE PLATE	1	ALL MODELS	10451-77 ‡	Ceramic

PARTS LIST - ALUMINUM & STAINLESS STEEL

A100-*A*-****-***

ITEM	DESCRIPTION	QTY	PUMP MODEL	PART NO.	MATERIAL
250	SHUTTLE	1	ALL MODELS	10431-32 ‡	Special
260	AIR VALVE BODY	1	ALL MODELS	11619-20 ‡	Aluminum
270	AIR VALVE SPOOL	1	ALL MODELS	10482-31 ‡	Acetel
280	LIP SEAL (AIR VALVE)	2	ALL MODELS	12003-76 ‡	Nitrile
290	O-RING (AIR VALVE END PLUG)	1	ALL MODELS	11913-11 ‡	Nitrile
300	AIR VALVE END PLUG	1	ALL MODELS	11706-20 ‡	Aluminum
310	MUFFLER MUFFLER (METAL)	1	ALL MODELS OPTIONAL	13001-00 13009-00	Standard Metal
320	N/A				
330	PIPE PLUG	2	A100-NAA-****-0** A100-BAA-****-0** A100-NA3-****-0** A100-BA3-****-0**	12265-20-NPT 12265-20-BSPT 12265-26-NPT 12265-26-BSPT	Aluminum Aluminum Stainless Steel Stainless Steel
340	SCREW, FLAT HEAD (#6-32 X 7/16")	6	ALL MODELS	12578-26	Stainless Steel
351	SCREW, HEX HEAD CAP (1/4"-20 X 3")	4	A100-*AA-****-*** A100-*A3-****-***	12516-25 12516-26	Plated Steel Stainless Steel
352	SCREW, HEX HEAD CAP (5/16"-18 X 1-1/2")	24	A100-*AA-****-*** A100-*A3-****-***	12584-25 12584-26	Plated Steel Stainless Steel
360	NUT, HEX FLANGE (5/16"-18)	24	A100-*AA-****-*** A100-*A3-****-***	12608-25 12608-26	Plated Steel Stainless Steel
371	WASHER, LOCK (1/4")	4	A100-*AA-****-*** A100-*A3-****-***	12350-25 12350-26	Plated Steel Stainless Steel
372	WASHER, SPLIT LOCK (5/16")	24	A100-*AA-****-*** A100-*A3-****-***	12313-25 12313-26	Plated Steel Stainless Steel
381	WASHER (1/4")	4	A100-*AA-****-*** A100-*A3-****-***	12300-25 12300-26	Plated Steel Stainless Steel
382	WASHER (5/16")	24	A100-*AA-****-*** A100-*A3-****-***	12310-25 12310-26	Plated Steel Stainless Steel
390	N/A				
400	GROUNDING LUG (NOT SHOWN)	1	OPTIONAL	13481-20	Aluminum
	Magnalube® .75 oz.		As Required, All Models	13404-00	Grease

* Any Character

‡, Δ Only sold as part of assembly

ASSEMBLY PART NUMBERS	PUMP MODEL	PART NO.	MATERIAL
‡ AIR VALVE ASSEMBLY 230, 240, 250, 260, 270, 280, 290, 300	ALL MODELS	AMK-100-A	Various
Δ PILOT SEEVE ASSEMBLY 80, 100, 110, 120, 130, 140	ALL MODELS	APK-100-A	Various
† WET END REPAIR KIT 20, 30, 40, 181, 182, 190	A050-*A*-****-***	AWE-100-****-M	Various