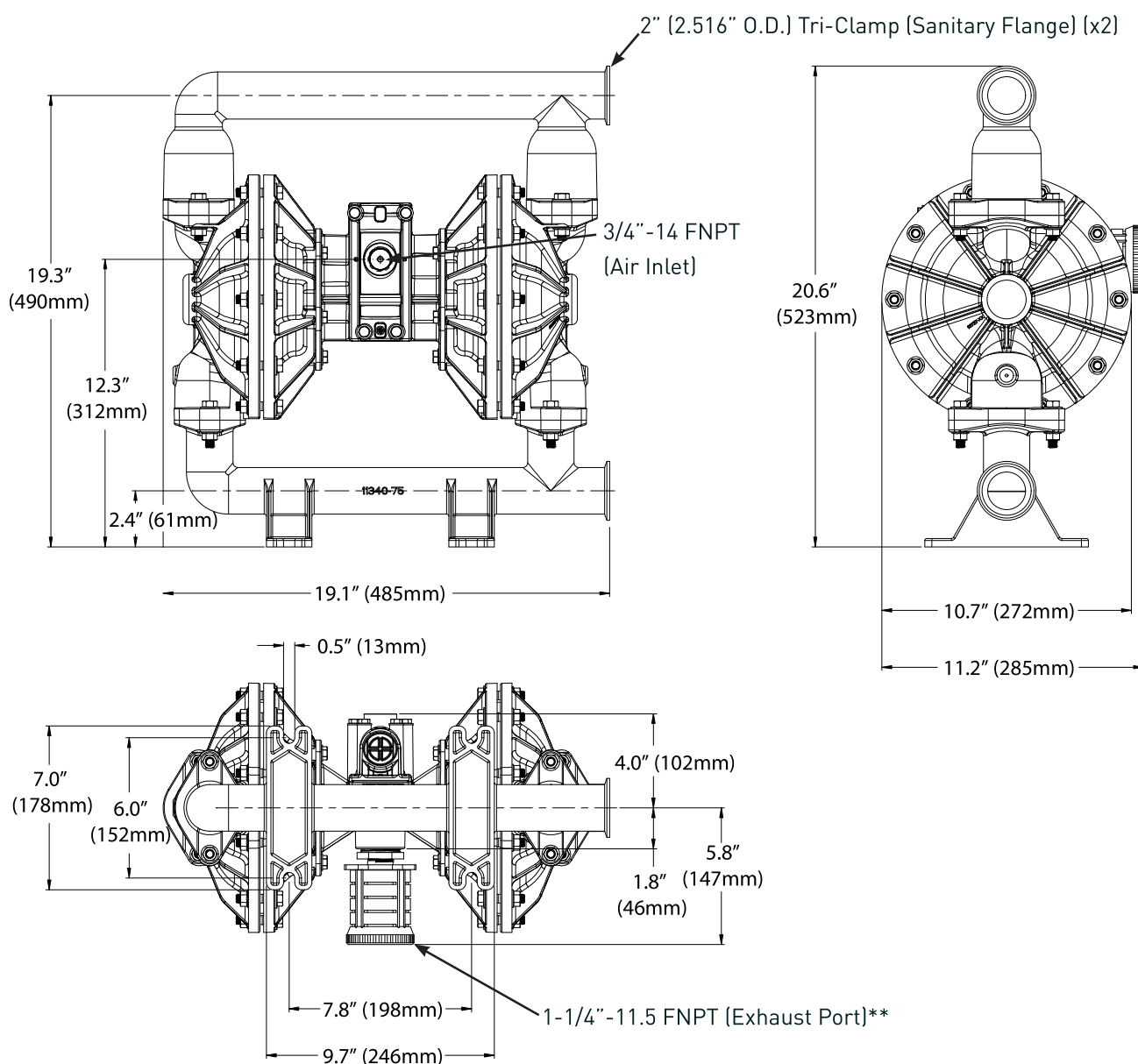


SECTION 4

PUMP DIMENSIONS

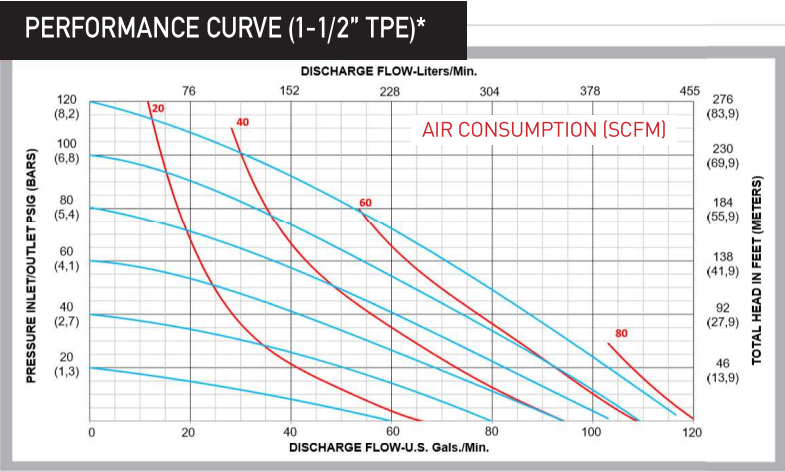
F150



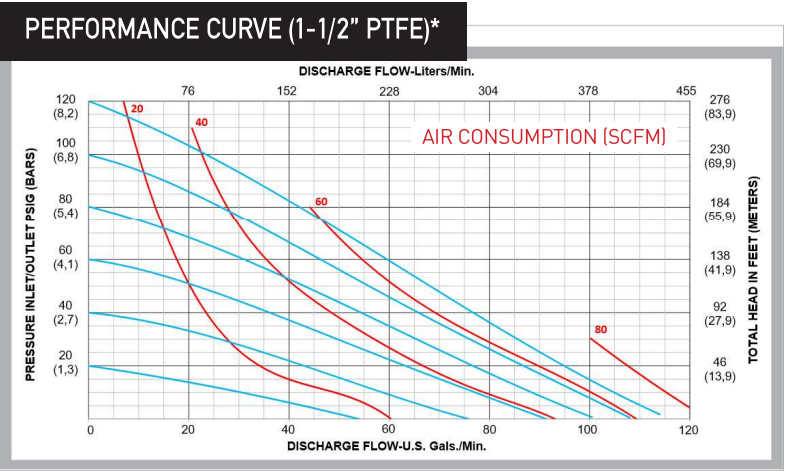
* Note - Suction / Discharge right are default ports. See part number matrix option code for additional porting options.

**Note: A reducer bushing is included with the standard muffler which reduces the port to 3/4"-14 FNPT.

PERFORMANCE CURVES



Performance Specifications	
Max. Flow:	115 gpm (435 lpm)
Max. Air Pressure:	120 psi (8.3 bar)
Max. Solids:	1/4" (6.4 mm)
Max. Suction Lift Dry:	22 ft-H ₂ O (6.7 m-H ₂ O)
Max. Suction Lift Wet:	31 ft-H ₂ O (9.4 m-H ₂ O)
Weight:	72 lbs (33 kg)
Air Inlet:	3/4" FNPT
Liquid Inlet:	2" (2.516" O.D.) Tri-Clamp
Liquid Outlet:	2" (2.516" O.D.) Tri-Clamp
Height:	20.6" (523 mm)
Width:	19.1" (485 mm)
Depth:	11.2" (284 mm)

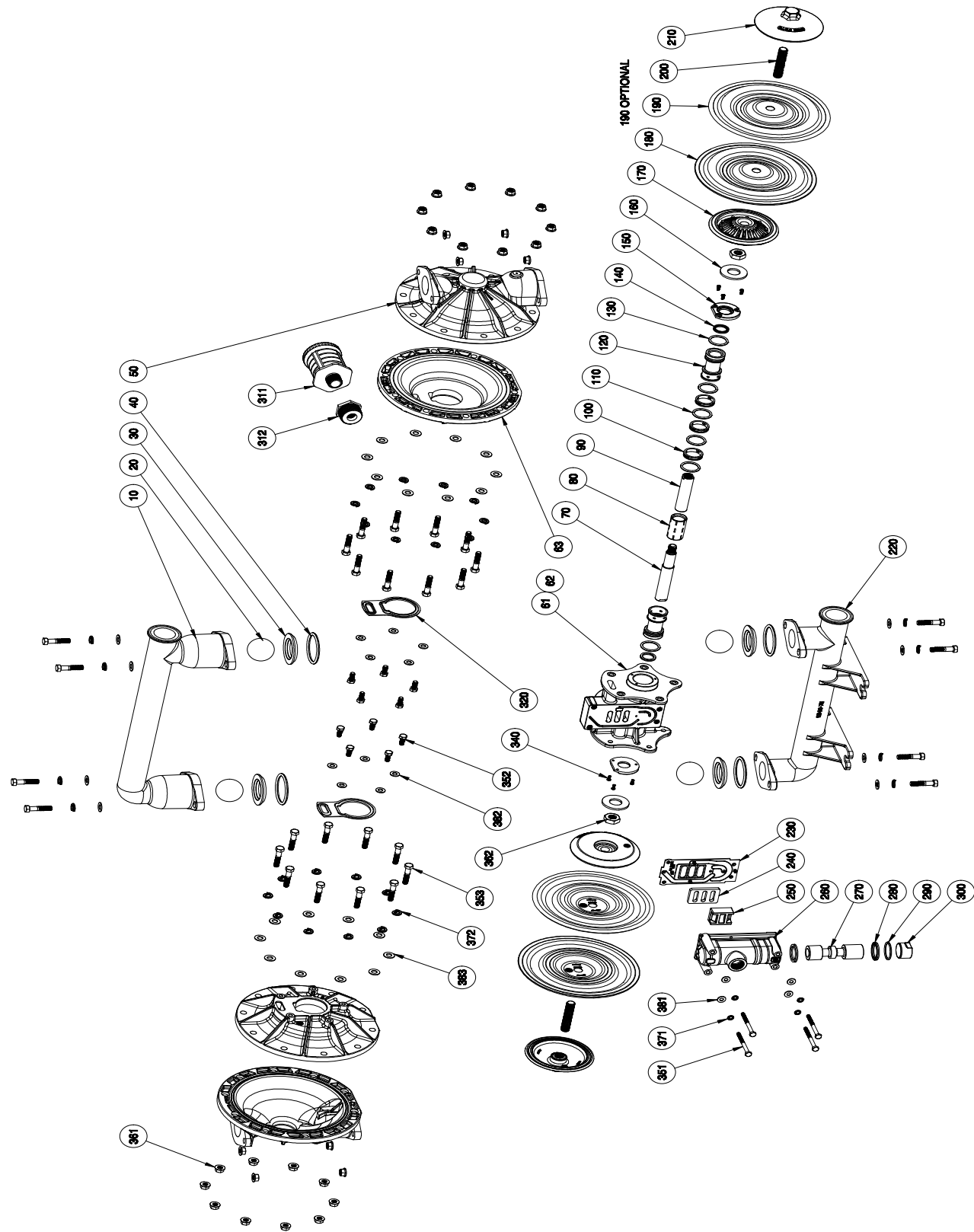


Performance Specifications	
Max. Flow:	115 gpm (435 lpm)
Max. Air Pressure:	120 psi (8.3 bar)
Max. Solids:	1/4" (6.4 mm)
Max. Suction Lift Dry:	18 ft-H ₂ O (5.5 m-H ₂ O)
Max. Suction Lift Wet:	31 ft-H ₂ O (9.4 m-H ₂ O)
Weight:	72 lbs (33 kg)
Air Inlet:	3/4" FNPT
Liquid Inlet:	2" (2.516" O.D.) Tri-Clamp
Liquid Outlet:	2" (2.516" O.D.) Tri-Clamp
Height:	20.6" (523 mm)
Width:	19.1" (485 mm)
Depth:	11.2" (284 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

F150-T*E-****-***



PARTS LIST - F150-T*E-****-***

ITEM	DESCRIPTION	QTY	PUMP MODEL	PART NO.	MATERIAL
10	DISCHARGE MANIFOLD - (TRI-CLAMP)	1	All Models	11339-75	Stainless Steel
20	BALL	4	F150-T*E-*B**_***	11010-14	Buna-N (FDA)
			F150-T*E-*S**_***	11010-23	Santoprene® (FDA)
			F150-T*E-*T**_***	11010-59	PTFE
30	VALVE SEAT	4	F150-T*E-***3*_***	10930-26	Stainless Steel
40	O-RING (VALVE SEAT)	4	F150-T*E-***B-***	11952-14	Buna-N (FDA)
			F150-T*E-***T-***	11952-17	PTFE
			F150-T*E-***M-***	11952-81	EPDM (FDA)
50	OUTER CHAMBER	2	All Models	10727-75	Stainless Steel
61 & 62	INTERMEDIATE	1	F150-TAE-****_***	11525-20	Aluminum
			F150-T3E-****_***	11525-26	Stainless Steel
63	INNER CHAMBER	2	F150-TAE-****_***	11806-20	Aluminum
			F150-T3E-****_***	11806-26	Stainless Steel
70 & 90	DIAPHRAGM ROD ASSEMBLY	1	All Models	35004-00	Stainless Steel
80	VALVE SLEEVE	1	All Models	10107-31 Δ	Acetal
100	INNER SPACER (PILOT SLEEVE)	3	All Models	10205-40 Δ	Polypropylene
110	O-RING (PILOT SLEEVE SPACER)	4	All Models	11919-16 Δ	Urethane
120	END SPACER (PILOT SLEEVE)	2	All Models	10208-40 Δ	Polypropylene
130	O-RING (END SPACER)	2	All Models	11919-11 Δ	Nitrile
140	LIP SEAL (DIAPHRAGM ROD)	2	All Models	12002-76 Δ	Nitrile
150	RETAINING PLATE	2	All Models	12717-54	Nylon
160	BUMPER	2	All Models	12317-16	Urethane
170	INNER DIAPHRAGM PLATE	2	F150-TAE-****_***	11114-20	Aluminum
			F150-T3E-****_***	11114-26	Stainless Steel
180	DIAPHRAGM (BACKUP)	2	F150-T*E-H***_***	10615-18	Hytrel® (FDA)
			F150-T*E-4***_***	10615-80	Santoprene® (FDA)
			F150-T*E-T***_*** (B-UP)	10615-80	Santoprene® (FDA)
190	OVERLAY (PTFE ONLY)	1	F150-T*E-T***_***	11410-59	PTFE
200&210	OUTER DIAPHRAGM PLATE W/ THREADED STUD	2	All Models	11221-73	Stainless Steel
220	SUCTION MANIFOLD - (TRI-CLAMP)	1	All Models	11340-75	Stainless Steel
230	AIR VALVE GASKET	1	All Models	12124-19 ‡	Nitrile
240	SHUTTLE PLATE	1	All Models	10450-77 ‡	Ceramic
250	SHUTTLE	1	All Models	10430-00 ‡	Special
260	AIR VALVE BODY	1	F150-TAE-****_***	11618-20 ‡	Aluminum
			F150-T3E-****_***	11618-26 ‡	Stainless Steel
270	AIR VALVE SPOOL	1	All Models	10483-31 ‡	Acetal
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	F150-TAE-****_***	11706-20 ‡	Aluminum
			F150-T3E-****_***	11706-26 ‡	Stainless Steel
311&312	MUFFLER w/ BUSHING	1	All Models	13013-00	Polypropylene
			Optional	13010-00	Metal
320	INNER CHAMBER GASKET	2	All Models	12123-19	Nitrile
330	N/A				
340	SCREW, SELF-LOCKING (#6-32 X 3/8")	6	All Models	12571-26	Stainless Steel

PARTS LIST - F150-T*E-****-***

ITEM	DESCRIPTION	QTY	PUMP MODEL	PART NO.	MATERIAL
351	SCREW, HEX HEAD CAP (1/4"-20 X 3")	4	All Models	12516-26	Stainless Steel
352	SCREW, HEX HEAD CAP (5/16"-18 X 3/4")	10	All Models	12536-26	Stainless Steel
353	SCREW, HEX HEAD CAP (3/8"-16 X 1-3/4")	28	All Models	12581-26	Stainless Steel
361	NUT, FLANGE (3/8"-16)	28	All Models	12612-26	Stainless Steel
362	NUT (5/8"-11)	2	All Models	12579-25	Plated Steel
371	WASHER, LOCK (1/4")	4	All Models	12350-26	Stainless Steel
372	WASHER, SPLIT LOCK (3/8")	28	All Models	12316-26	Stainless Steel
381	WASHER, FLAT (1/4")	4	All Models	12300-26	Stainless Steel
382	WASHER, FLAT (5/16")	10	All Models	12310-26	Stainless Steel
383	WASHER, FLAT (3/8")	28	All Models	12303-26	Stainless Steel
390	N/A				
400	GROUND 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	F150-TAE-****-***	FMK-150-A	Various
230, 240, 250, 260, 270, 280, 290, 300	F150-T3E-****-***	FMK-150-3	Various
Δ PILOT VALVE ASSEMBLY	F150-TAE-****-***	FPK-150-A	Various
80, 100, 110, 120, 130, 140	F150-T3E-****-***	FPK-150-3	Various
PILOT SLEEVE ELASTOMER KIT	ALL MODELS	PEK-35003	Various
100 THROUGH 140			