

Air-Operated Double Diaphragm Pumps



3/4" TC-X202 Series

TC-X202-Series 3/4" pumps are available in Glass Fiber Reinforced Polypropylene (PPG) with a PPG Kynar (PVDF), Aluminum and Stainless Steel or optional Aluminum air motor section for exceptional chemical resistance. Featuring the new Looped C™ Air Motor technology (patent pending). Both Flange and Threaded connections available.

Maximum Flow Rate: 31.7 GPM (120 L/Min)

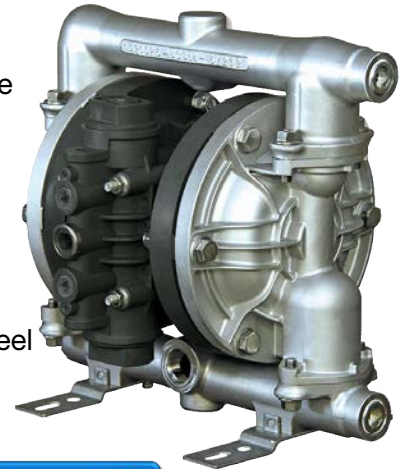
Maximum Discharge Head: 230 ft (70 m)

Available in: Filled Polypropylene (PPG), PVDF (Kynar®), Aluminum, Stainless Steel

Spool valve type: Looped C Spring Valve

Check Valves: Ball type

Certification: CE



SPECIFICATIONS				
Material Code*	A"X", S"X"	AT, ST	P"X" / V"X"	PT / VT
Max Flow Rate	31.7 GPM (120 LPM)	27.7 GPM (105 LPM)	31.7 GPM (120 LPM)	26.4 GPM (100 LPM)
Max Air Pressure	100 PSI (0.7 MPa)			
Max Air Consumption	38.9 scfm (1100 LPM)	45.9 scfm (1300 LPM)	42.4 scfm (1200 LPM)	49.4 scfm (1400 LPM)
Supply Air Pressure Range ¹	30-100 PSI (0.2-0.7 MPa)			
Liquid Discharge Volume per cycle	27 oz (800 mL)	22 oz (650 mL)	12 oz (350 mL)	8 oz (240 mL)
Connection Suction x Discharge	NPT 3/4"		ANSI 150 lb 3/4" JIS 10 K20A (DIN 20PN10)	
Weight	A202: 25.4 lbs (11.5kg) S202: 46.4 lbs (21kg)		P202: 15.4 lbs (7.0 kg) V202: 19.8 lbs (9.0 kg)	



* See Chart and Model Number nomenclature on back page for materials

Note 1: A supply air pressure of 30 PSI (0.2 MPa) or more is required to operate the pump.

If the supply pressure is less than 30 PSI (0.2 MPa), the pump may not operate properly.

Pump Liquid Temperature Range: P"X", V"X" 32-140°F (0-60°C) A"X", S"X" 32-158°F

(0-70°C) CR, NBR Diaphragm 32-158°F (0-70°C) TPO, PTFE Diaphragm 32-212°F

(0-100°C)

Ambient Temperature: 32-158°F (0-70°C)

Slurry Recommendation: 0.08" (2mm) or less

Viscosity Limit: Suction Lift ~ 3000 cps (3 Pa·s) Force in ~ 8000cps (8Pa·s) (Pumping

slurry is dependent on pump size & materials. Please contact your distributor for more details)

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WET END MATERIALS

Code	Pump wetted parts	Diaphragm	Ball O-Ring	Valve Stopper	Outer Diaphragm Plate	Center Body
AC	Al Alloy	Neoprene™	Neoprene™/BUNA	AL	AL	PPG or AL
AN		BUNA	BUNA			
AE		EPDM	EPDM			
AV		Viton®	Viton®			
AT		PTFE	PTFE			
AH		Hytrel™	Hytrel™/BUNA			
AS		Santoprene®	Santoprene®/EPDM			
PC	PPG	Neoprene™	Neoprene™/BUNA	PPG	PPG (SCS13*)	
PN		BUNA	BUNA			
PE		EPDM	EPDM			
PV		Viton®	Viton®			
PT		PTFE	PTFE			
PH		Hytrel™	Hytrel™/BUNA			
PS		Santoprene®	Santoprene®/EPDM			
SC	Cast SS	Neoprene™	Neoprene™/BUNA	SS 316	SS 316	
SN		BUNA	BUNA			
SE		EPDM	EPDM			
SV		Viton®	Viton®			
ST		PTFE	PTFE			
SH		Hytrel™	Hytrel™/BUNA			
SS		Santoprene®	Santoprene®/EPDM			
VE	PVDF	EPDM	EPDM	PVDF	PVDF (SCS13*)	
VV		Viton®	Viton®			
VT		PTFE	PTFE			
VH		Hytrel™	Hytrel™/BUNA			
VS		Santoprene®	Santoprene®/EPDM			

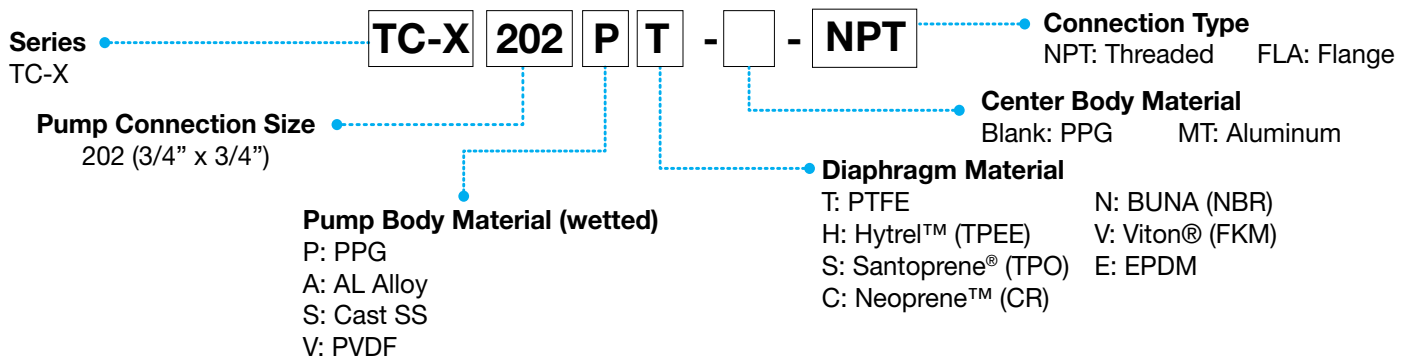
Neoprene™
BUNA
PPG
PTFE
EPDM
AL
SS316

Chloroprene Rubber (CR)
Nitrile Rubber (NBR)
Glass Fiber Reinforced Polypropylene
Polytetrafluoroethylene (Teflon®)
Ethylene Propylene Diene Monomer (Nordel™)
Aluminum
Stainless Steel

Hytrel™
Santoprene®
PVDF
*SCS13
Viton®
AL Alloy

Thermoplastic Polyester Elastomer (TPEE)
Thermoplastic PolyOlefin (TPO)
Polyvinylidene Fluoride (Kynar®)
Cast Stainless Steel (Insert Material)
Fluoroelastomer (FKM)
Aluminum Alloy

MODEL NUMBER NOMENCLATURE

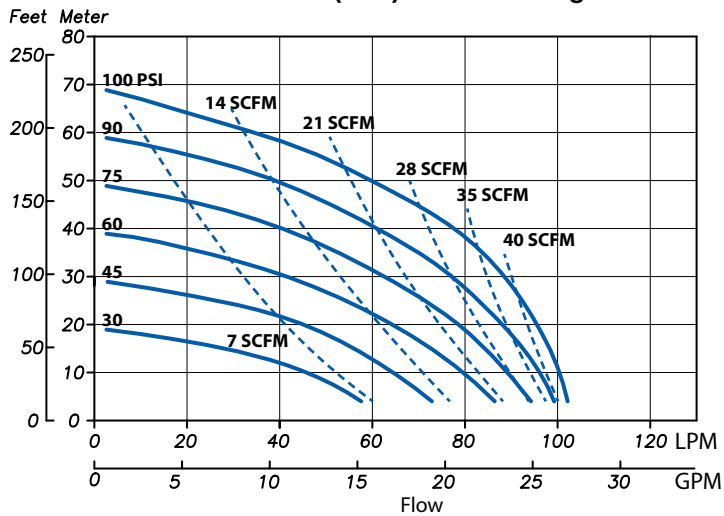


PERFORMANCE CURVES

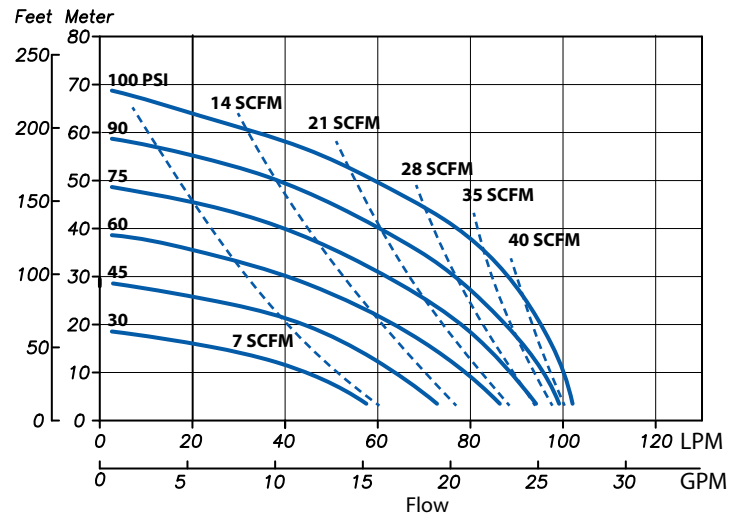
— Flow
- - - Air

Conditions:
4" (10 cm) flooded suction.
Ambient temperature: 68-77°F (20-25°C)
Liquid temperature: 68-77°F (20-25°C)

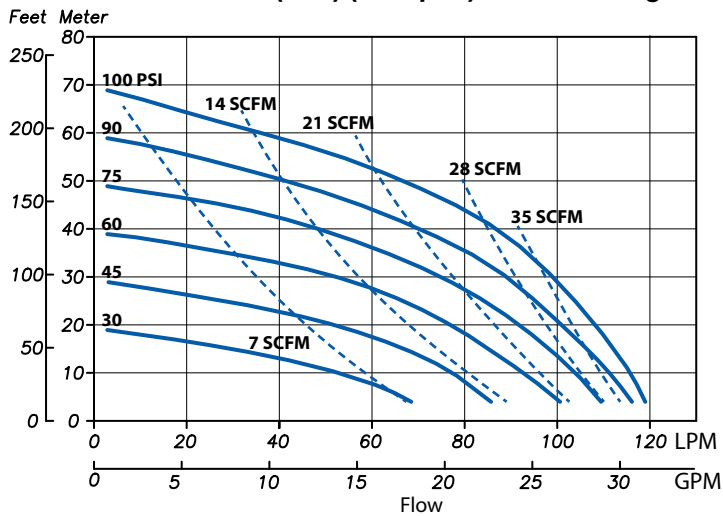
TC-X202AT/ST (-MT) with ECORing



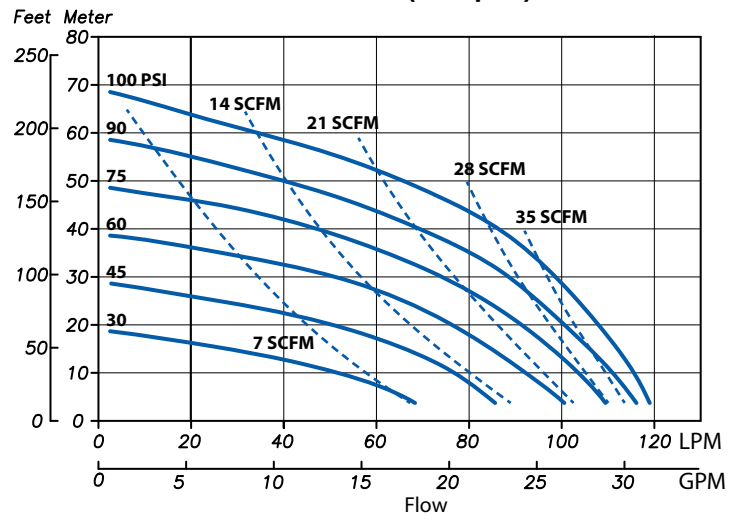
TC-X202PT/VT



TC-X202A/S (-MT) (Except T) with ECORing

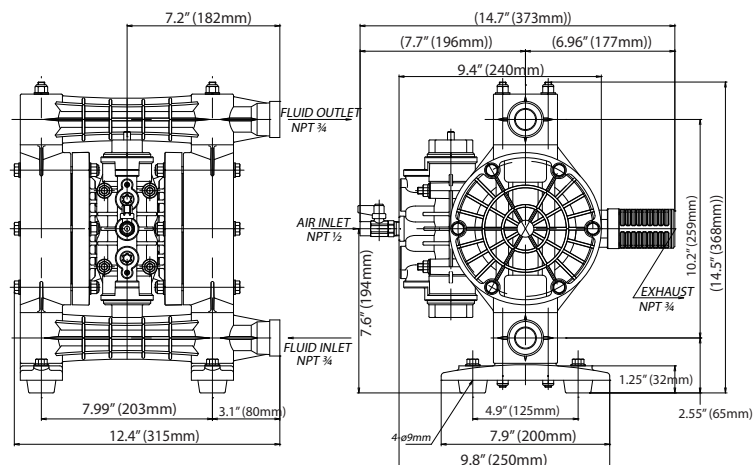


TC-X202P/V (except T)

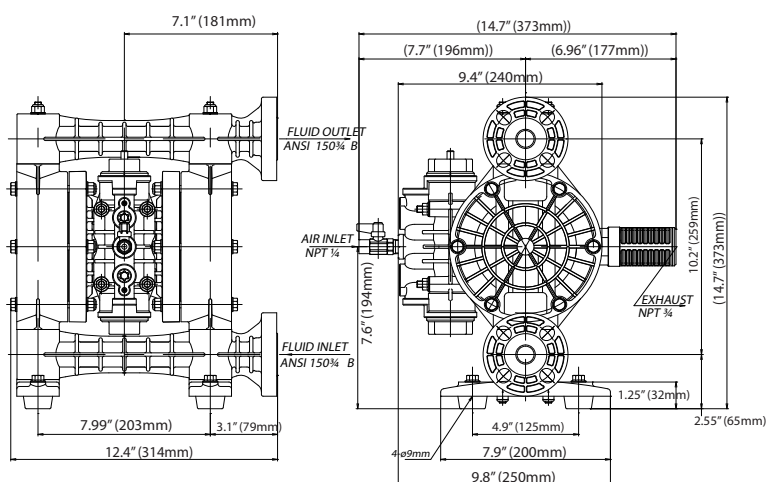


DIMENSIONS

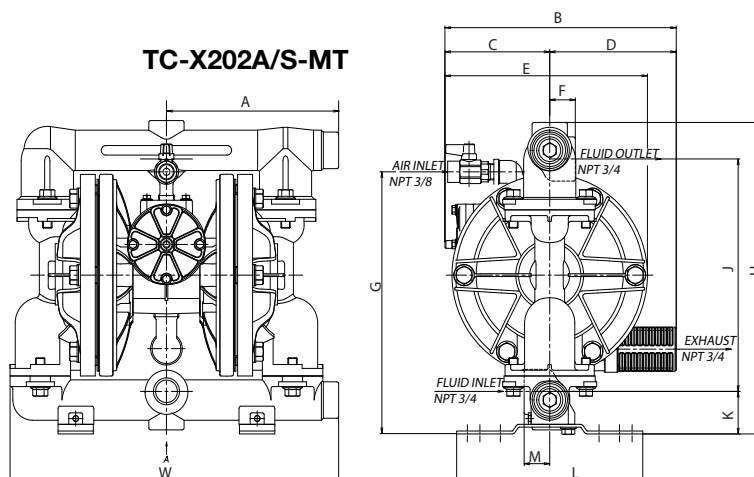
TC-X202P/V (NPT)



TC-X202P/V (ANSI Flange)



TC-X202A/S-MT



Dimensions in inches (mm)

MODEL	A	B	C	D	E	F	G	H	J	K	L	M	W
202S (-MT)	7.3 (185)	9.8 (249)	4.4 (113)	5.4 (136)	8.6 (218)	1.1 (28)	10.7 (273)	12.8 (324)	9.5 (242)	1.7 (44)	7.9 (200)	1.1 (28)	13.9 (353)
202A (-MT)									9.6 (244)				