Air-Operated
Double Diaphragm Pumps

IWAKI AIR

3/4” TC-X202 Series (Non-Metallic)



The TC-X202 3/4" pumps are available in Glass Fiber Reinforced Polypropylene (PPG) with a PPG air motor section for exceptional chemical resistance. Featuring the new Looped C™ Air Motor Technology (patent pending). Both Flange and Threaded connection models are available.

Maximum Flow Rate: 31.7 GPM (120 L/Min)
Maximum Discharge Head: 230 ft (70 m)
Available in: Glass Fiber Reinforced Polypropylene
Spool valve type: C-Spring Valve
Check Valves: Ball type
Certification: CE

SPECIFICATIONS

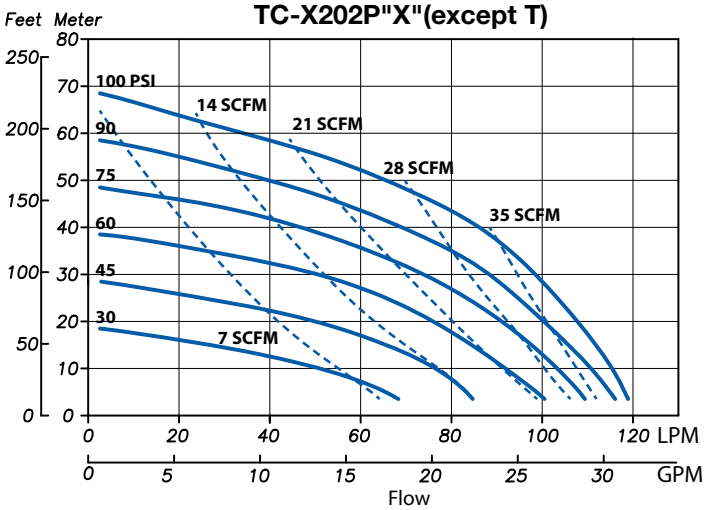
Material Code*	P"X" (-FLA)	PT (-FLA)
Max Flow Rate	31.7 GPM (120 LPM)	26.4 GPM (100 LPM)
Max Air Pressure	100 PSI (0.7 MPa)	
Max Air Consumption	42.4 scfm (1200 L/min)	49.4 scfm (1400 L/min)
Supply Air Pressure Range [1]	30-100 PSI (0.2-0.7 MPa)	
Liquid Discharge Volume per cycle	12 oz (350 mL)	8 oz (240 mL)
Connection Suction x Discharge	NPT 3/4”	ANSI 150 lb 3/4” JIS 10 K20A (DIN 20PN10)
Weight	15.4 lbs (7.0 kg)	

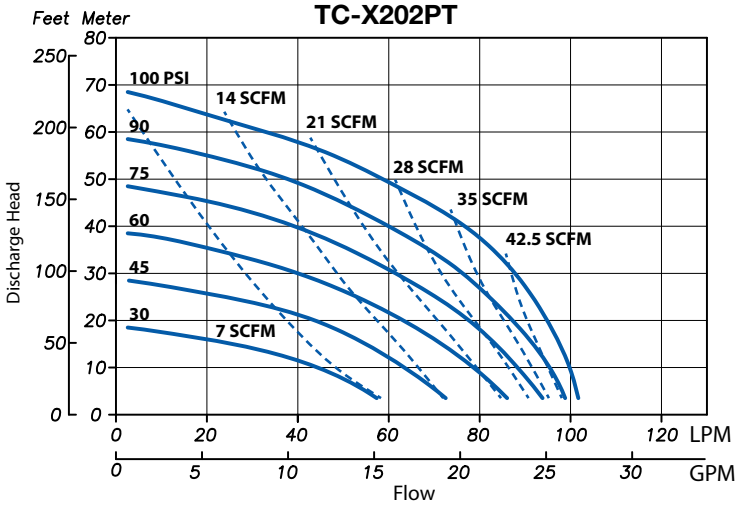
* See Chart and Model Number nomenclature on back page for materials
Note 1: A supply air pressure of 30 PSI (0.2 MPa) or more is required to operate the pump. If the supply pressure is less than 30 PSI (0.2 MPa), the pump may not operate properly.
Pump Liquid Temperature Range: 32-140°F(0~60°C)
Ambient 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)

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)





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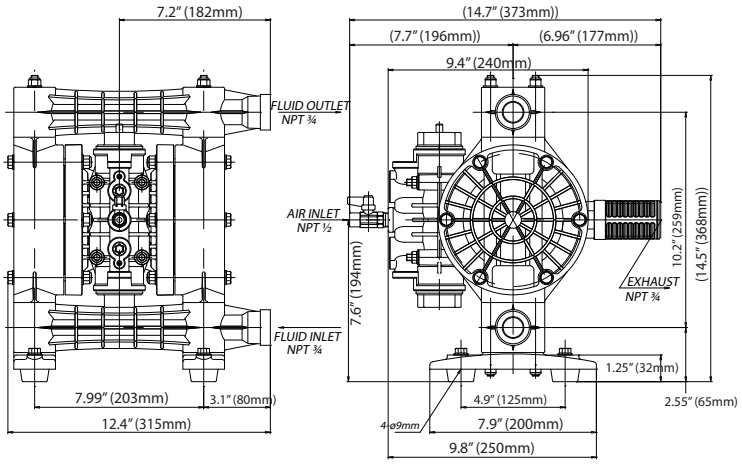
WET END MATERIALS

Model	TC-X202						
Part Name	**PC(-FLA)**	**PN(-FLA)**	**PE(-FLA)**	**PV(-FLA)**	**PT(-FLA)**	**PH(-FLA)**	**PS(-FLA)**
Pump wetted parts	PPG						
Diaphragm	Neoprene™	BUNA	EPDM	Viton®	PTFE	Hytrel™	Santoprene®
Ball O-Ring	Neoprene™/BUNA	BUNA	EPDM	Viton®	PTFE	Hytrel™/BUNA	Santoprene®/EPDM
Valve Seat	PPG						
Outer Diaphragm Plate	PPG (SCS13*)						
Center Body	PPG						

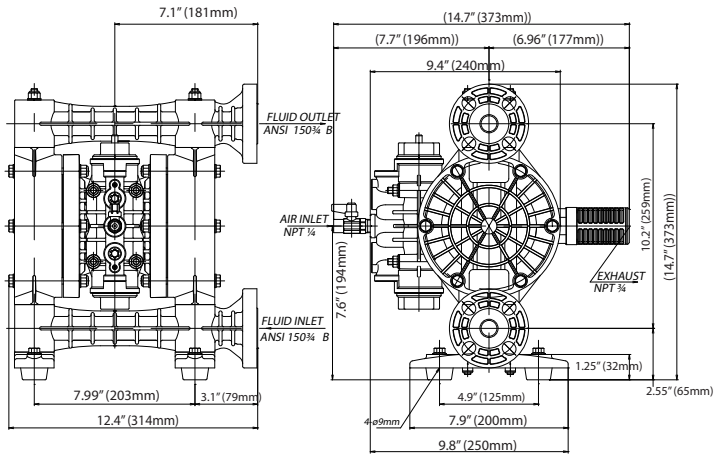
Neoprene™	Chloroprene Rubber (CR)	Hytrel™	Thermoplastic Polyester Elastomer (TPEE)
BUNA	Nitrile Rubber (NBR)	Santoprene®	Thermoplastic PolyOlefin (TPO)
PPG	Glass Fiber Reinforced Polypropylene	PVDF	Polyvinylidene Fluoride (Kynar®)
PTFE	Polytetrafluoroethylene (Teflon®)	*SCS13	Cast Stainless Steel (Insert Material)
EPDM	Ethylene Propylene Diene Monomer (Nordel™)	Viton®	Fluoroelastomer (FKM)

DIMENSIONS

TC-X202P (NPT)



TC-X202P (ANSI Flange)



MODEL NUMBER NOMENCLATURE

TC-X 202 P T - NPT

Connection Type
NPT: Threaded FLA: Flange

Series
TC-X

Pump Connection Size
202 (3/4” x 3/4”)

Pump Body Material (wetted)
P: PPG

Diaphragm Material
T: PTFE
H: Hytrel™ (TPEE)
S: Santoprene® (TPO)
C: Neoprene™ (CR)
N: BUNA (NBR)
V: Viton® (FKM)
E: EPDM

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