

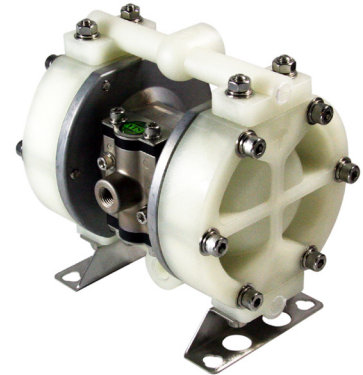
Air-Operated Double Diaphragm Pumps



3/8" TC-X101 Series

The TC-X101 pumps are specially designed for extremely low speed fluid transfer, frequent start/stop and dead head type applications with a choice of multi-port options.

Maximum Flow Rate: 6.3 GPM (24 LPM)
Maximum Discharge Head: 230 ft (70 m)
Available in: Stainless Steel, Aluminum, Pure Polypropylene,
Glass Fiber Reinforced Polypropylene (GFRPP)
Spool Valve Type: Spring-less Air Spool
Certification: CE, ATEX



SPECIFICATIONS

Model	TC-X 101 Non-Metallic Pumps		TC-X 101 Metallic Pumps	
Material Code*	G "X"	P "X"	A "X"	S "X"
Max Flow Rate	5.8 GPM (22 LPM)		6.3 GPM (24 LPM)	
Max Air Pressure	100 PSI (0.7 MPa)		100 PSI (0.7 MPa)	
Max Air Consumption	8.83 scfm (250 L/min)		9.18 scfm (260 L/min)	
Supply Air Pressure Range ¹	30-100 PSI (0.2-0.7 MPa)		30-100 PSI (0.2-0.7 MPa)	
Liquid Discharge Volume per cycle	1.7 oz (50 ml)		1.7 oz (50 ml)	
Connection Suction x Discharge	NPT 3/8"		NPT 3/8"	
Weight	6.6 lbs (3.0 kg)		7.7 lbs (3.5 kg)	11.5 lbs (5.2 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: G "X", P "X" 32-180°F (0-82°C) A "X", S "X", V "X" CR/NBR Diaphragm 32-180°F (0-82°C)

TPO, PTFE Diaphragm 32-212°F (0-100°C) TPEE 32-248°F (0-100°C)* * 248°F (120°C) option available, consult factory.

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

Slurry recommendation: 0.04: (1mm) or less

Viscosity Limit: ~500 cps (0.5 Pa-s) (Please contact your distributor for more details)

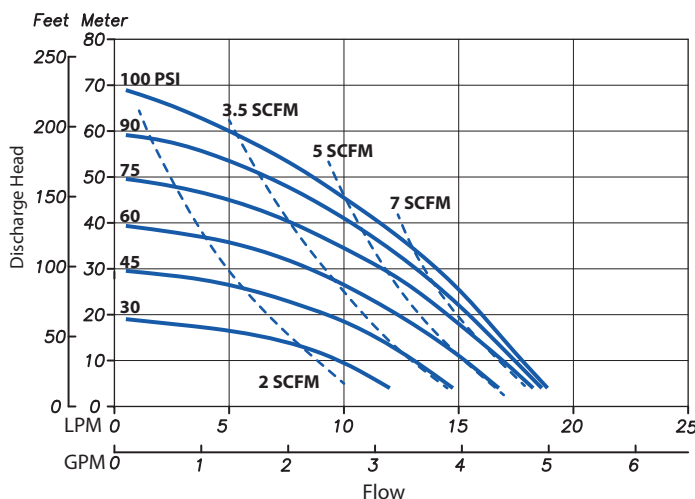
Max. suction lift: Dry: 6.5' (2 meters) Wet (Primed): 26.2' (8 meters)

PERFORMANCE CURVES

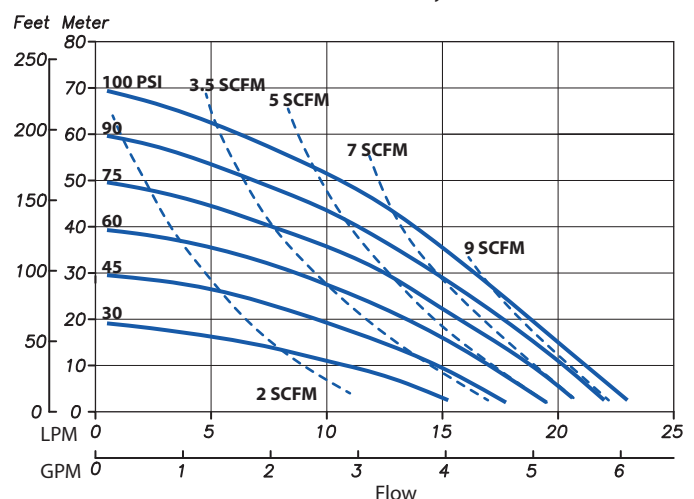
— Flow
- - - - Air

Conditions:
4" (10 cm) flooded suction.
Ambient temperature: 79°F (26°C)
Liquid temperature: 73-77°F (23-25°C)

TC-X101G "X"/P"X"



TC-X101A "X",S "X"



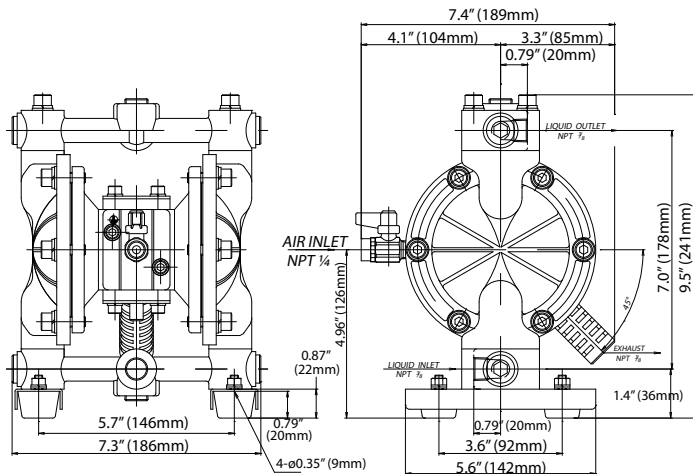
WET END MATERIALS

Code	Pump Wetted Parts	Ball Valve/ O-Ring	Valve Seat	Outer Diaphragm Plate	Center Body
AC	AL Alloy	Neoprene™/PTFE	AL	AL	AL
AN		BUNA/PTFE			
AT		PTFE			
AW		PTFE/EDPM backup (one piece)			
AH		BUNA/PTFE			
AS		EPDM/PTFE			
SC	Cast SS	Neoprene™/BUNA	SS316	SS316	
SN		BUNA			
ST		PTFE			
SW		PTFE/EDPM backup (one piece)			
SH		BUNA			
SS		EPDM			
PC	Pure Poly	Neoprene™/BUNA	GFRPP Pure Poly	GFRPP/Pure Poly (SS303*)	
PN		BUNA			
PT		PTFE			
PW		PTFE/EDPM backup (one piece)			
PH		BUNA			
PS		EPDM			
GC	GFRPP	Neoprene™/BUNA	GFRPP Pure Poly	GFRPP/Pure Poly (SS303*)	
GN		BUNA			
GT		PTFE			
GW		PTFE/EDPM backup (one piece)			
GH		BUNA			
GS		EPDM			

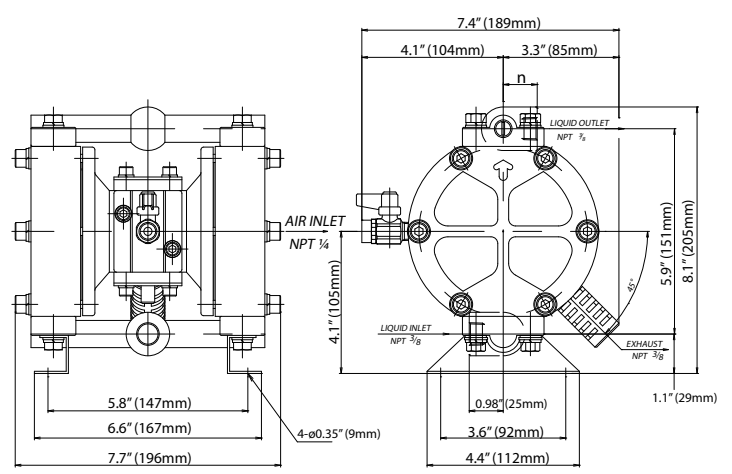
Aluminum Alloy (ADC12)
 Aluminum (A5056)
 Chloroprene Rubber (CR)
 Nitrile Rubber (NBR)
 Cast Stainless Steel (SCS14)
 Stainless Steel (Insert material)
 Stainless Steel Grade 316
 Glass-Fiber Reinforced
 Polypropylene (GFRPP)
 Polytetrafluoroethylene (Teflon®)
 Polyvinylidene Fluoride (Kynar®)
 Thermoplastic Polyester Elastomer (TPEE)
 Thermoplastic PolyOlefin (TPO)
 Pure Polypropylene (PP)
 Ethylene Polyene Diene Monomer (EPDM)
 *SS316 Multi-port Plug Material (metal pumps)

DIMENSIONS

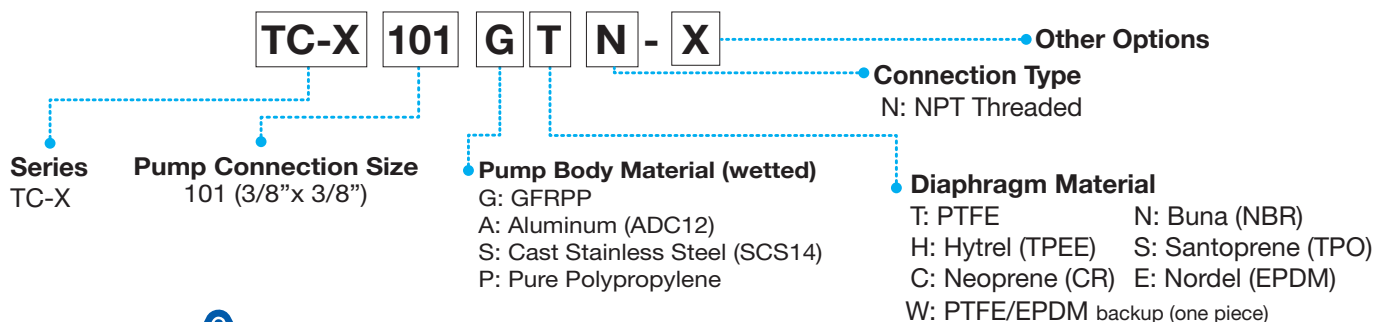
TC-X101A, S (max dimensions shown)



TC-X101P, G (max dimensions shown)



MODEL NUMBER NOMENCLATURE



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