TC-X100 Plastic

⅜” Plastic Diaphragm Pump Data Sheet



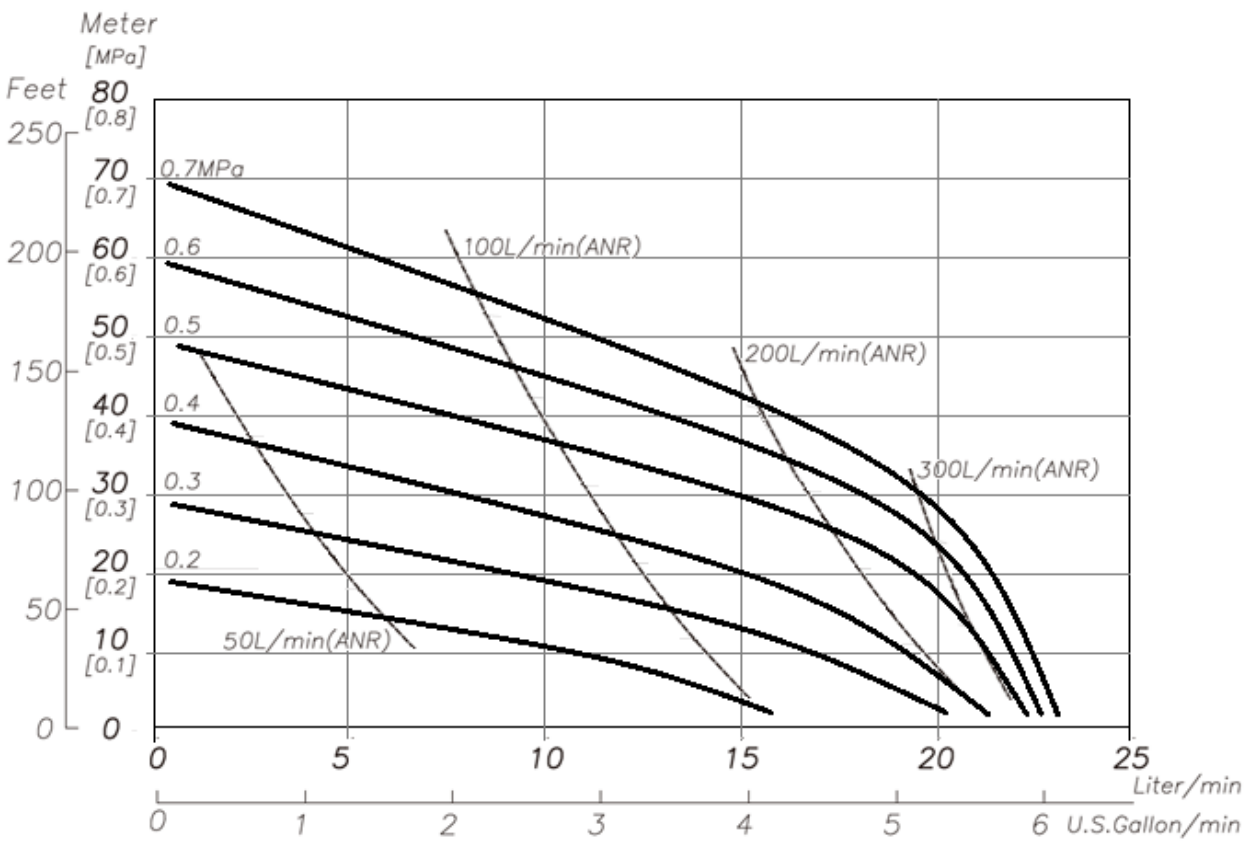
TC-X100G☐
⅜” Stainless Steel Pump

Max Flow Rate: 23 L/min.
Liquid Connections: ⅜” Female Side connection.
Max Slurry Size: 1.0 mm.
Max Suction Lift: Dry: 2.0 meters. Wet (Primed): 8.0 meters.
Max Discharge Pressure: 0.7 MPa
Check Valve Configuration: Ball Valves.
Pump Wetted Material Options: PPG
Diaphragm Options: PTFE, CR, EPDM, NBR, TPEE, TPO.
Air Motor Material: PPS Plastic
Description: Original Model ⅜” Plastic AODD Pumps available in PPG. C-spring Air Spool. PPS (Ryton) Air Motor. Side Ports threaded. Internal Silencer.

100 Plastic Pump Specifications	
Pump Model / Material	**G☐**
Max. Flow Rate	23 l/min [6.0 Gallon/min]
Max. Solids Size	1.0 mm or less
Max. Discharge Pressure	0.7 MPa [100 psi]
Max. Suction Lift	Dry: 2.0 m Wet (Primed): 8.0 m
Supply Air Pressure Range	0.2 - 0.7 MPa [30 - 100 psi]
Max. Air Consumption	400 l/min (ANR) [14.10 SCFM]
Max. Discharge Volume Per Cycle	50 ml
Ambient Temperature Range	0 - 70°C [32 - 158°F]
Liquid Temperature Range	0 - 60°C [32 - 140°F]
Connections: Manifolds / Air	⅜” Rc Female Threaded Side Port / ¼” Rc ball valve

Note. *Factors affecting a pumps stated liquid flow rate, suction lift & solids handling capabilities include, but are not limited to; pump size, diaphragm, ball valve & ball seat, type & materials of construction, air inlet pressure & air flow capability, liquid viscosity, specific gravity, slurry content, ambient & liquid temperature, liquid inlet & liquid outlet width, piping type, piping length & overall piping configuration. A minimum supply air pressure of 30 PSI (0.2 MPa) is required to operate the pump.*

Pump Performance Curve



For more information about TC-X Pumps please contact: sales@iwaki.de
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Air Operated Double Diaphragm Pumps

Wetted Materials Of Construction

MODEL	100GG (100GGN)	100GN (100GNN)	100GE (100GEN)	100GT (100GTN)	100GH (100GHN)	100GS (100GSN)
Pump Wetted Parts	PPG					
Diaphragm	CR	NBR	EPDM	PTFE	TPEE	TPO
Valve Stopper	PPG					
Ball Valve	CR	NBR	EPDM	PTFE	NBR	EPDM
Valve Seat	CR	NBR	PPG			
Center Disk	PPG					
Weight	3.0 kg (6.6 lbs)					



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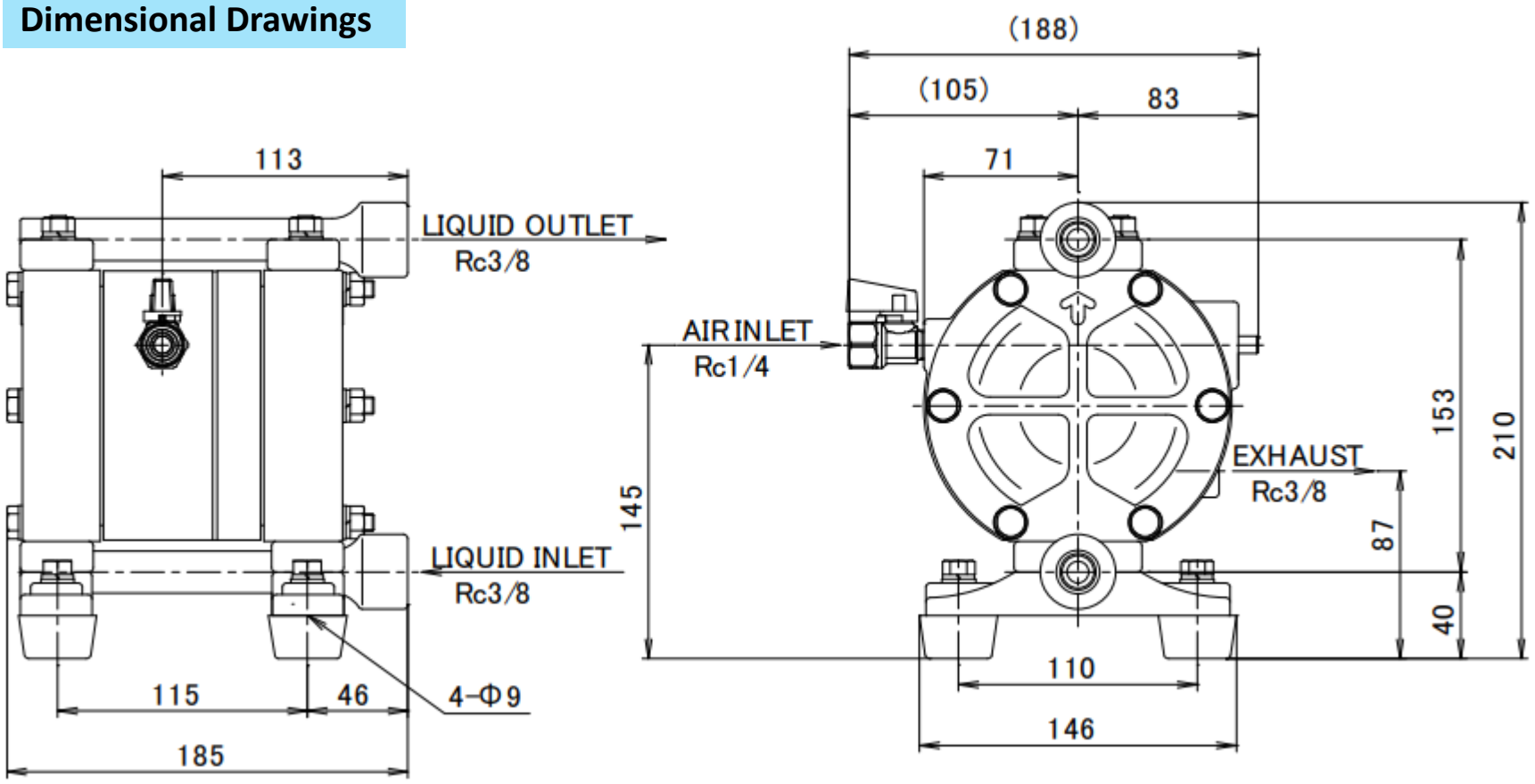
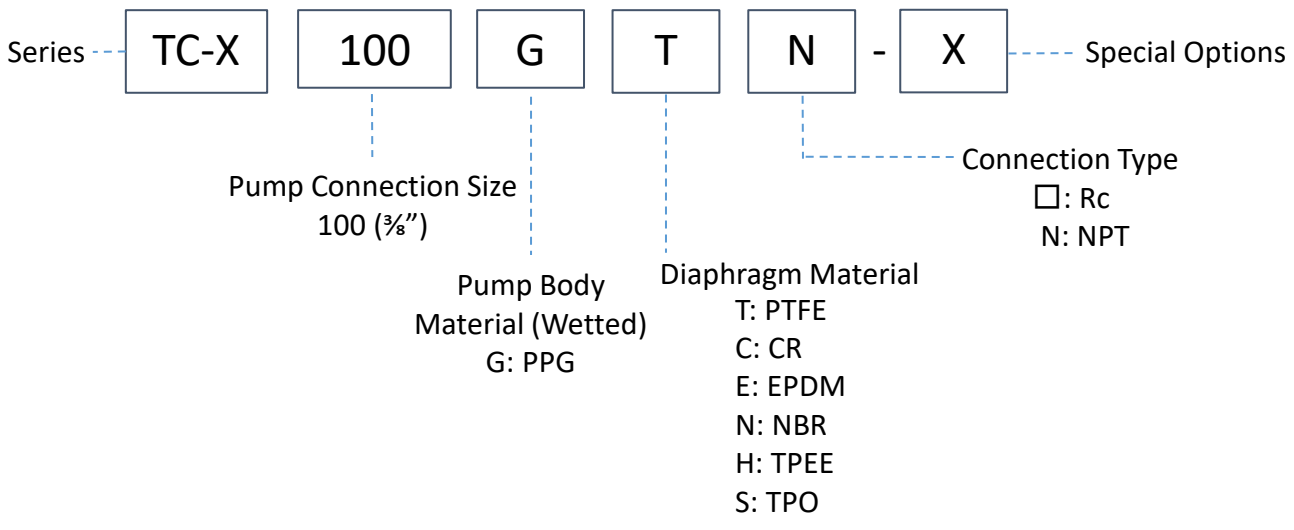
⅜" Stainless Steel Pump

Dimensional Drawings



Nomenclature



AODD Pump Capabilities

Self Priming	Variable Discharge Pressures	Inherently Safe Design
Run Dry	Transfer Liquid Slurries	Portable & Easy to Use
Run up to Dead Head	Transfer Large Sized Solids	Transfer Viscous Fluids
Variable Flow Rates	Handle Abrasives	Frequent Start Stop Operation
Shear Sensitivity	Transfer Chemicals	Powered by Compressed Air

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