

Air Operated Double Diaphragm Pumps **TC-X**

— TC-X500 Sanitary Pump



TC-X500STFR

Stainless Steel Sanitary Pump
330 L/min.
41.0 Kg.



Sanitary Pump Data Sheet

- Max Flow Rate:** 330 L/min.
- Max Discharge Pressure:** 0.7 MPa.
- Max Slurry Size:** 8mm or less.
- Max Suction Lift:** Dry: **TBC**. Wet (Primed): 8.0m.
- Liquid Connection Size:** ISO 2.0s (3A Ferrule as optional).
- Liquid Connection Configuration:** ISO Ferrule
- Pump Wetted Material:** Stainless Steel (SUS316L)
- Air Motor Material:** Electroless nickel plated Aluminium.
- Diaphragm Material:** PTFE/EPDM.
- Check Valve Configuration:** Ball Type Check Valves.
- Air Motor Model:** Looped C® Spring Air Spool.
- Exhaust Configuration:** External Plastic Exhaust Silencer (×1).
- Base & Footprint:** 360° Rotatable Base

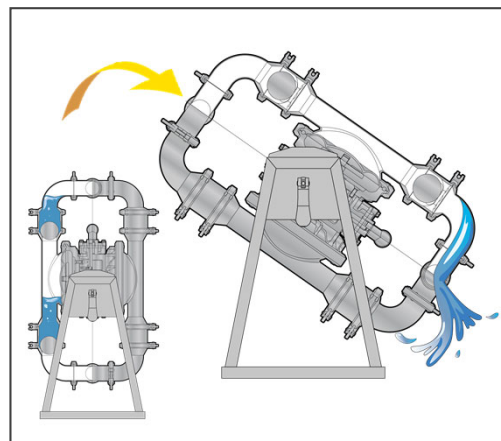
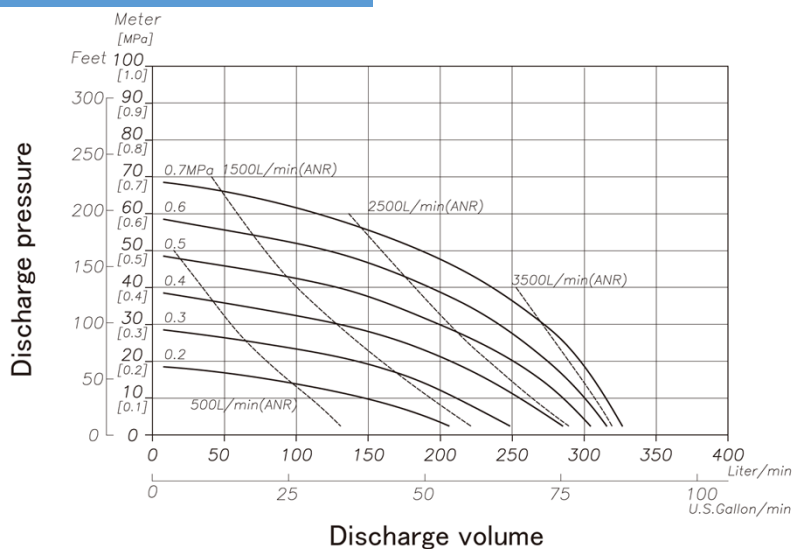
Description & Features: It rotates 360° for draining and maintenance. Tri-clamp ferrule connections. Excellent chemical resistance metallic AODD Pumps fitted with the Looped C® Air Spool, Ekono® Seal Rings & Fully Independent Pilot Valves for increased performance, reliability & extended life cycle.

500 Sanitary Pump Specifications

Pump Model	500 STFR
Max Flow Rate	330 L/min [87.2 GPM]
Max Solids Size	8mm or less
Max Discharge Pressure	0.7 MPa [100 psi]
Supply Air Pressure Range	0.2 – 0.7 MPa [30 - 100 psi]
Max Suction Lift	Dry: TBC . Wet (Primed): 8.0 meters.
Max Air Consumption	4000 L/min (ANR) [141.3 SCFM]
Max Discharge Vol Per Cycle	1000 mL
Ambient Temp Range	0 – 70°C [32 – 158°F]
Liquid Temp Range	0 – 80°C [32 – 178°F]
Inlet & Outlet Connections	ISO 2.0s Ferrule

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 Curves

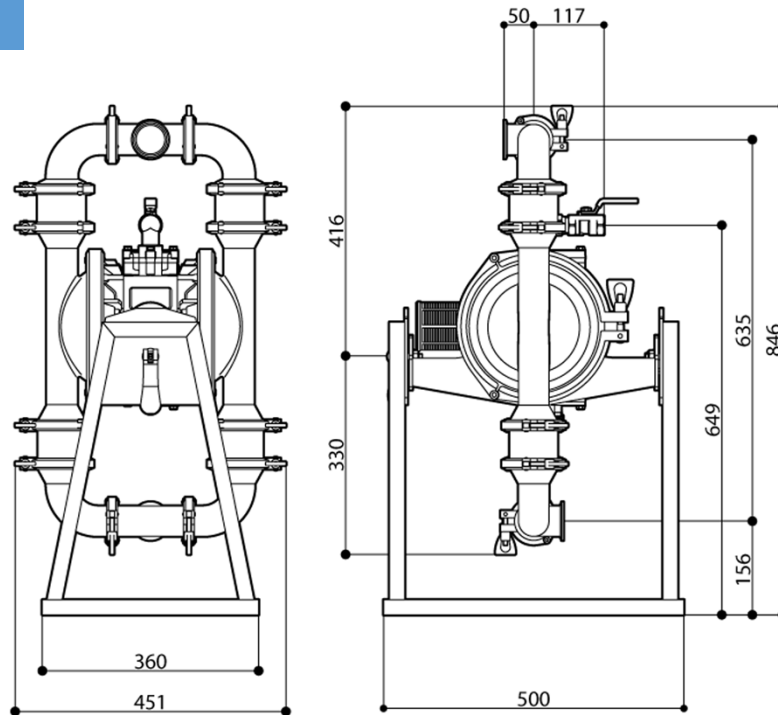


The rotatable base enables to drain the residues.
The pump can be fixed at preferred position.

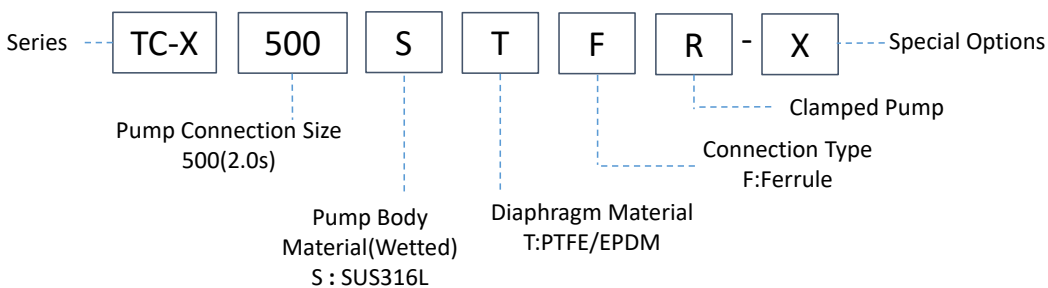
Wetted Materials Of Construction

MODEL	500STFR
Pump Wetted Parts	SUS316L
Diaphragm	PTFE/EPDM
Ball Valve	PTFE
Packing	PTFE/EPDM
Weight	41.0 kg [90.4 lbs]

Dimensional Drawings



Nomenclature



One piece PTFE sheet with a bonded rubber Backup Diaphragm

TC-X

Pumps Manufactured In Japan

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.

For more information about TC-X Pumps please contact: sales@yts-pump.com

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