Air-Operated
Double Diaphragm Pumps

IWAKI AIR

3” TC-X800 Series

The TC-X800 Series pumps offer excellent flow rates and a new heavy duty body design. The pumps can operate with variable air pressures and are suited for both start/stop and fully continuous duty pumping applications. They can easily handle high pressure and long discharge lines.

Maximum Flow Rate: 211.3 GPM (800 LPM)
Maximum Discharge Head: 280 FT. (85m)
Available in: Stainless Steel, Aluminum, Polypropylene, Cast Iron
Spool valve type: Robust Coil Spring Air Motor
Certification: CE, ATEX, FDA (SS models)

SPECIFICATIONS						
	-FLA or - NPT					
Material Code*	**A"X"**	**S"X"**	**F"X"**	**AT**	**ST**	**FT**
Max Flow Rate	211.3 GPM (800 LPM)			132.1 GPM (500 LPM)		
Max Air Pressure	125 PSI (0.85 MPa)			100 PSI (0.7 MPa)		
Max Air Consumption	230 scfm (6500 L/min)			177 scfm (5000 L/min)		
Supply Air Pressure Range [1]	14-125 PSI (0.1 - 0.85 MPa)			22-100 PSI (0.15 - 0.7 MPa)		
Liquid Discharge Volume per cycle	230 oz (6800 mL)			44 oz (1300 mL)		
Connection Suction x Discharge	NPT 3” /Flanged type 3" ANSI flange 150 lb - JIS 10K 80A					
Weight	132 lbs (63 kg)	291 lbs (132 kg)		132 lbs (63 kg)	291 lbs (132 kg)	

* See Chart and Model Number nomenclature on back page for materials
Note 1: A supply air pressure of 22 PSI (0.15 MPa) or more is required to operate the pump. If the supply pressure is less than 22 PSI (0.15 MPa), the pump may not operate properly.
Pump Liquid Temperature Range: NBR/CR- 32-158°F (0-70°C) TPEE/EPDM- 32-176°F (0-80°C) FKM/TPO/PTFE- 32-212°F (0-100°C)
Ambient Temperature Range: 32-158°F (0-70°C)
Slurry Recommendation: 0.39" (10 mm) or less
Viscosity Limit: Suction lift ~3000 cps (3 Pa·s) Force in ~8000 cps (8 Pa·s) (Please contact your distributor for more details)

Material Code*	**P"X"(-FLA)**	**PT (-FLA)**
Max Flow Rate	200.8 GPM (760 LPM)	153.2 GPM (580 LPM)
Max Air Pressure	100 PSI (0.7 MPa)	
Max Air Consumption	194 scfm (5500 L/min)	
Supply Air Pressure Range [1]	14-100 PSI (0.1 - 0.7 MPa)	22-100 PSI (0.15 - 0.7 MPa)
Liquid Discharge Volume per cycle	230 oz (6800 mL)	108 oz (3200 mL)
Connection Suction x Discharge	3" ANSI flange 150 lb JIS 10K 80A	
Weight	155.4 lbs (70.5 kg)	

* See Chart and Model Number nomenclature on back page for materials
Note 1: A supply air pressure of 22 PSI (0.15 MPa) or more is required to operate the pump. If the supply pressure is less than 22 PSI (0.15 MPa), the pump may not operate properly.
Pump Liquid Temperature Range: 32-140°F (0-60°C)
Ambient Temperature Range: 32-158°F (0-70°C)
Slurry Recommendation: 0.39" (10 mm) or less
Viscosity Limit: Suction lift ~3000 cps (3 Pa·s) Force in ~8000 cps (8 Pa·s) (Please contact your distributor for more details)