

Air-Operated Double Diaphragm Pumps (AODD)

Specialty Pumps: High Pressure Pumps

IWAKI AIR

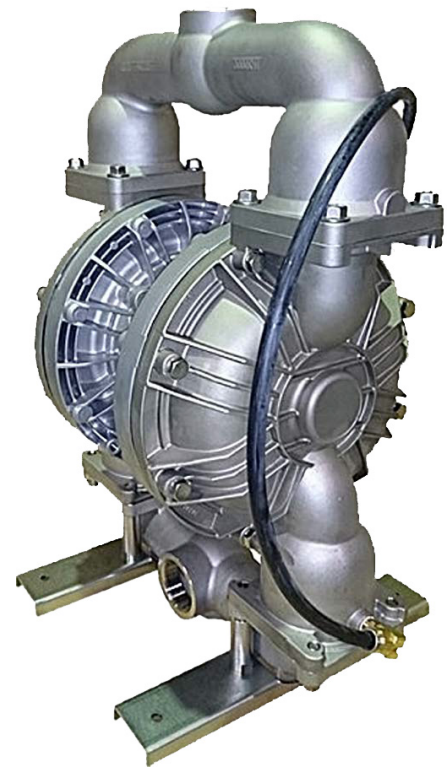
2:1 High Pressure AODD Pumps

Ratio 2:1 High Pressure Pumps are designed for applications where very high liquid discharge pressures are required to overcome system requirements. Pumps produce double the liquid discharge pressure utilizing standard air inlet pressure. Often used in filter press applications or when operating against very high back pressures or very long discharge lines. Can easily transfer highly viscous liquids or solid laden slurries.

- 100% Pneumatic Operation
- Doubles Liquid Discharge Pressure
- For Transfer of Slurries & Large Solids
- Can Run Deadheaded without Pump Damage
- No Need for Pressure Relief or System Bypass
- Highly Reliable Mechanical Spool Valve
- Compact & Robust Construction
- All Bolted Design
- Outside Accessible Air Motor
- 100% Non Lubricated Air Motor
- Available on All Metal Pumps ¾" to 3"
- Designed for High Performance Operation & Long Life Expectancy

TC-X500S"X"-HP

2" 2:1 High Pressure Pump



About 2:1 HP: High Pressure Pumps

Utilizing a Simplex design where pressure output is doubled while flow rate is halved. High discharge pressures are achieved by utilizing twice the surface area (air pressure driving both diaphragms) to double the liquid discharge pressure output. All Simplex type High Pressure Pumps are fitted with an adjustable back flow valve to limit over stroking of the diaphragm on the return stroke. This significantly improves the life expectancy of the diaphragms & other internal components on the pump.

IWAKI AIR 2:1 HP Pumps are available in the several Sizes & Materials

All ¾", 1", 1½", 2" & 3" Pumps are available in Aluminium, Stainless Steel and Cast Iron construction with Buna, Neprene & Viton diaphragms and elastomers.

Air-Operated Double Diaphragm (AODD) Pump Capabilities

Self Priming
Can Run Dry
Can Run Deadhead
Variable Flow Rates

Variable Discharge Pressures
Transfer Liquid Slurries
Can Handle Hard Abrasive Solids
Can Handle a Wide Variety of Liquids

Explosion Proof / Intrinsically Safe
Portable & Easy to Use
Can Pump Shear Sensitive Fluids
Transfer Viscous Fluids



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