

All YTS pumps are designed engineered and manufactured in Japan. Every pump is torqued and tested prior to dispatched to ensure correct performance and optimal leak proof operation.

Able to achieve very high flow rates & can easily handle High Heads, very Long Discharge Lines and Dead Head type processes. Improved air consumption. External Silencers. Compact heavy duty construction with Drop-in dimensions and common footprint. Fully bolted body, torqued, leak & operation tested prior to shipment.

YTS produces a wide variety of Air powered double diaphragm pumps available in many sizes and materials.

PUMP SIZE	MATERIAL OF CONSTRUCTION	DIAPHRAGM
1/4" to 3" Size	<p>Metallic pumps come in 3 basic materials; SUS, AL and Fe. SUS pumps are also available with standard, electro polished and FDA Grade finishes.</p> <p>Plastic pumps are available in 5 basis materials; Pure PP, PPG, PVDF, PTFE and POM.</p> <p>PP pumps are also available in Conductive PP.</p> <p>PTFE pumps are available in standard Grade, High purity Grade as well as Conductive. PTFE for use in Explosive Environment.</p>	<p>Neoprene (CR), Nordel (EPDM), BUNA N (NBR), Hytrel (TPE/TPEE), Santoprene (TPO), VITON (FPM/FKM), Teflon (PTFE)- with the options of fitting various back up diaphragms to most pump.</p> <p>Other specialist Diaphragm are also available for specialized applications.</p>



The New Patent pending Looped- C Spool and the second generation Coil- Spring Air valve offer much improved pumping performance, air consumption, Operational reliability and reduced maintenance requirements. Pump fitted with the new Patent pending EcoRing offer on average, 16% better Air consumption figures without any negative effects to over all pumping performance.

AODD Pumps Abilities

Dry Run

Diaphragm pumps can run dry for extended periods with no damage to the moving parts. Also when running dry the pump will not overheat.

Transfer Solids, Abrasive Liquids- Slurries

Due to their unique design, liquid slurries as well as large sized solids such as beads, stones etc. can be pumped with ease.

Variable Flow Rates and Discharge Pressure

By adjusting either the air regulator or a liquid discharge valve, it's possible to operate the pump anywhere between 0.1 liter per minute to full capacity. Liquid discharge pressure can be adjusted from less than 1 bar up to 8.4 bars, on some larger pumps.

Dead Head

A diaphragm pump can run against a semi closed or fully closed liquid discharge valve "Dead Head" without damage or wear to the pump. Therefore the discharge line may closed fully at any time and even closed repeatedly. There will be no Power consumed, no Temperature increase and no damage to the pump, it will simply stop.

Self- Priming

Diaphragm pumps can operate dry and they also generate relatively high vacuum pressure, thus allowing the pump to self-prime.

Safely Transfer Flammable and Hazardous Material

Diaphragm pumps are powered by compressed air and do not have any kind of electrical connections. They cannot over heat and they are cooled naturally during operation by the supply of compressed air. When correctly earthed, they are considered safe to use when pumping flammable liquids or when used in explosive environments.



STURDY accurate Efficient
reliable **COMPACT**

CERAMIC INDUSTRY



FUEL TRANSFER



PAINT, INK & PRINTING



TANK LOADING/ UNLOADING



FILTER PRESS



STARCH BASED GLUE PRODUCTION PLANT FOR CORRUGATED BOARD MANUFACTURING MACHINES



COATINGS



ELECTRICAL CIRCUIT BOARD AND SEMI CONDUCTOR MANUFACTURING INDUSTRY



LACQUERS



ADHESIVES & SEALANTS TRANSFER



BARREL FLUID TRANSFER



ETP/ STP



STURDY accurate Efficient
reliable **COMPACT**