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Air Operated Double Diaphragm Pumps

Double Diaphragm Pumps are designed for use in applications requiring large volume transfer in a short time

Driven by compressed air, these can transfer contaminated media & are very useful for cleaning out pits with mixed liquids such as oil, water etc.

Handle a wide variety of fluids with solid content: as there are no close fitting or rotating parts

Self priming: pump is designed for high suction lift even at dry start up & also with heavier fluids

Ability to run dry: as there are no close fitting or sliding parts

Portable / simple installation: Simply connect air supply line & liquid line; pump is ready to perform

Explosion proof: safe pumps since they are operated by compressed air

Pumping efficiency remains constant: no rotors, gears or pistons that wear over time, hence no decline in performance

All pump models are designed for use with an inlet air pressure of 20-100 PSI

Air inlet threaded 1/4" NPT (F)

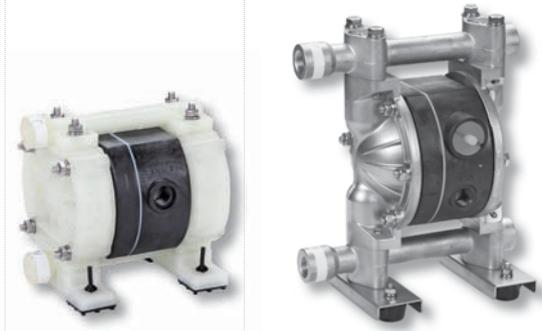
Standard off the shelf pumps are available in a choice of 2 materials:

- i. Aluminium body with a Hytrel® diaphragm. These can be used for all high temperature applications
- ii. Polypropylene - body with
 - a. Santoprene Diaphragm - for use with abrasives, acids, caustic etc.
 - b. Teflon (PTFE) Diaphragm - for use with fluids such as solvents

FEATURES

AIR INLET PRESSURE

20 - 100 PSI
(1.4 - 6.89 BAR)



	AODD/1-4/FPT/N	AODD/1-2/BAH/N
SIZE	1/4"	1/2"
CASING	Polypropylene	Aluminium
DIAPHRAGM	PTFE	Hytrel®
FLOW RATE	0 -11 LPM	0 - 50 LPM
PUMP INLET/ OUTLET NPT (F)	1/4"	1/2"
AIR EXHAUST NPT(F)	3/8"	3/8"
MAX PARTICLE SIZE	N/A	1 mm
SUCTION LIFT (DRY)	5-feet	5-feet
MAX AIR CONSUMPTION	250 LPM (8.83 CFM)	450 LPM (15.9 CFM)
WETTED COMPONENTS	Polypropylene, PTFE	Aluminium, PA, Stainless steel, Hytrel®
VALVE BALL MATERIAL	PTFE (Flat type)	Hytrel®
AIR MOTOR	Ryton®	Aluminium
MAXIMUM LIQUID TEMPERATURE	60°C	80°C

NOTE

Other materials, configurations and sizes can be custom manufactured on order

TEMPERATURE RANGE FOR VARIOUS MATERIALS

BODY / CASING MATERIAL	LIQUID TEMPERATURE RANGE
Aluminium	0°C to 100°C
Polypropylene	0°C to 60°C
DIAPHRAGM MATERIAL	LIQUID TEMPERATURE RANGE
Hytrel® (TPEE)	0°C to 80°C
Santoprene® (TPO)	0°C to 90°C
Teflon® (PTFE)	0°C to 100°C