

MAX FLOW SERIES

DIAPHRAGM PUMP



AIR OPERATED DOUBLE DIAPHRAGM PUMP 2"



M-DDP50AN-01

Experience the next level of fluid transfer efficiency with our Max Flow Series Double Diaphragm Pumps. Made in Japan for precision and durability, these pumps operate at a 1:1 ratio with a 800 LPM flow rate, making them ideal for high-volume, low air consumption across industries. Dependable, low-maintenance, and versatile. They are designed to keep your operations running smoothly.

High Flow Rates

Designed to facilitate high discharge volume upto 800 LPM

Max Flow Diaphragms

Bigger Diaphragm size for better flow rate and longer life

Threaded Flange Manifolds

Provides a wider option of both flange and threaded connection availability



Convenient Center Port

Easy access for streamlined installation and flexible piping

Low Air Consumption

Allows quieter operations

Aluminium body

Wide range of chemical compatibility for broader applications

REPAIR KITS & ACCESSORIES

- M-DDP50SKWE-N: Liquid side service kit
- M-DDP50SKAM: Air side service kit
- DDPMF-25-01: Exhaust Muffler

FEATURES

- **Optimized Flow:** Lighter spool ensures faster, smoother operation.
- **Effortless Maintenance:** Easily accessible air motor for quick and hassle-free servicing.
- **Dry-Run Safe:** No overheating, runs without liquid.
- **Deadhead Resistant:** Withstands closed discharge without damage.
- **Self-Priming:** Eliminates the need for manual priming.
- **No inline lubrication required:** Reduces maintenance and operational costs.
- **Diaphragm:** Nitrile Buna-N (NBR).
- **Pump Wetted Parts:** Aluminium and Nitrile Buna-N

Technical Specifications

Part Number	M-DDP50AN-01
Product Description	Air Operated Double Diaphragm Pump 2"
Ratio	1:1
Max. Flow Rate	800 LPM
Fluid Inlet / Outlet	2" BSPT (F) / 2" DIN
Air Inlet	3/4" BSPT (F)
Max. Air Pressure	0.85MPa / 125psi
Max. Solid Size	8mm
Suction Lift	5.5m (dry) & 8m (wet)
Max Air Consumption	5800 L/min(ANR)[204.80 SCFM]
Liquid Temp.(°C)	0°C - 70°C
Noise Level (ISO 1996)	96 dB
Recommended fluid*	Oils (new & used), Engine Coolants (new & used), oily water, Diesel, Paints, Mild Adhesives.

* Note: Please refer to the pump compatibility metric to determine the recommended fluids.

MAX FLOW SERIES DIAPHRAGM PUMP



PERFORMANCE CURVES

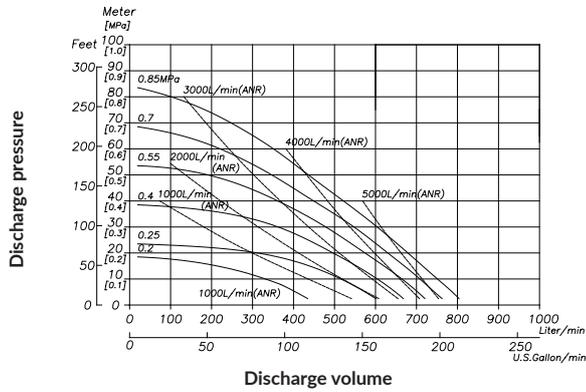


Figure 1 (Performace Curve)

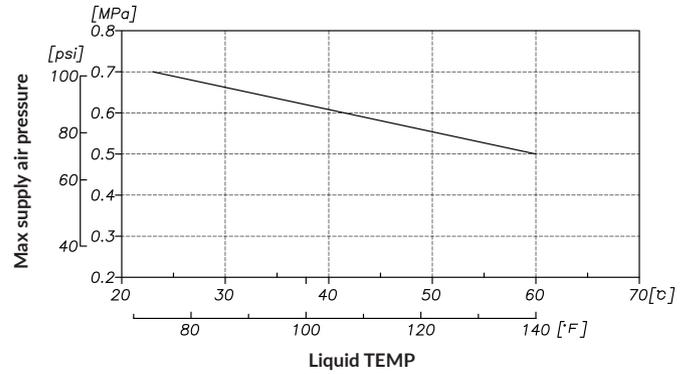
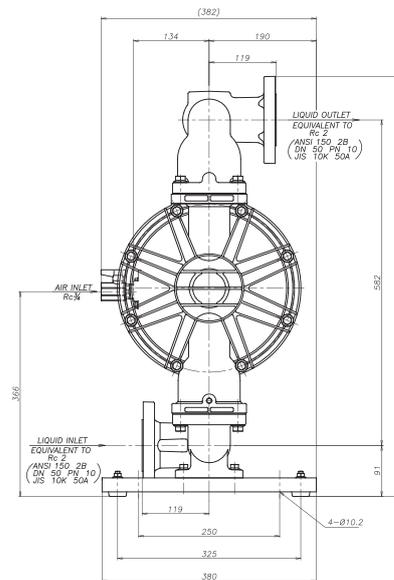
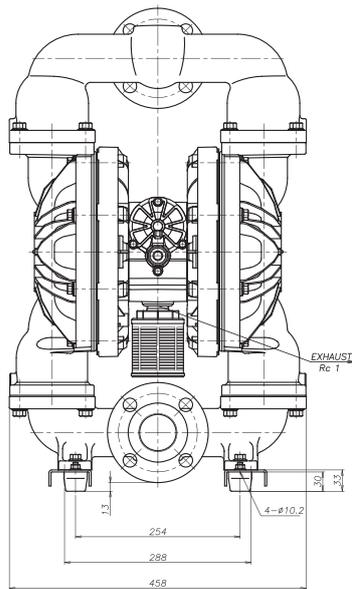


Figure 2 (Liquid Temperature Correlation Graph)

DIMENSIONAL DRAWINGS



EXPLORE OUR PRODUCT RANGE



M-DDP13PN
Max Flow Series
Diaphragm Pump 1/2"



M-DDP19GN
Max Flow Series
Diaphragm Pump 3/4"



M-DDP25AN
Max Flow Series
Diaphragm Pump 1"



M-DDP38AN
Max Flow Series
Diaphragm Pump 1 1/2"



M-DDP75AN
Max Flow Series
Diaphragm Pump 3"



M-DDP25SW
Max Flow Series
Diaphragm Pump 1.5 S