

# MAX FLOW SERIES

## DIAPHRAGM PUMP



### AIR OPERATED DOUBLE DIAPHRAGM PUMP 1/2"



#### M-DDP13PN-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 62 LPM flow rate, making them ideal for high-volume, low air consumption applications across industries. Dependable, low-maintenance, and versatile. They are designed to keep your operations running smoothly.

#### Multi Port

Versatile multiport design for flexible installation and enhanced efficiency

#### Low Air Consumption

Allows quieter operations

#### Compatible Footprints

Compatible footprints for seamless drop-in replacement and easy installation, designed to fit major brand



#### High Flow Rates

Designed to facilitate high discharge volume upto 62 LPM

#### Machined Mating Surfaces

Reducing any chances of leaks

#### Max Flow Diaphragms

Bigger Diaphragm size for better flow rate and longer life

#### REPAIR KITS & ACCESSORIES

- M-DDP13SKWE-N: Liquid side service kit
- M-DDP13SKAM: Air side service kit
- DDPMF-IS-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:** Polypropylene(PP), Nitrile Buna-N (NBR).

#### Technical Specifications

Part Number	M-DDP13PN-01
Product Description	Air Operated Double Diaphragm Pump 1/2"
Ratio	1:1
Max. Flow Rate	62 LPM
Fluid Inlet / Outlet	1/2" BSPT (F)
Air Inlet	1/4" BSPT (F)
Max. Air Pressure	0.7MPa / 100psi
Suction Lift	2m (dry) & 8m (wet)
Max. Air Consumption	700 L/min (ANR) [24.72 SCFM]
Liquid Temp.(°C)	0°C – 60°C
Noise Level (ISO 1996)	84 dB
Recommended fluid*	Oils (new & used), Engine Coolants (new & used), Oily water, Diesel, Mild Chemicals ( Acetic Acid, Phosphoric Acid), Liquid Fertilizers.

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

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### PERFORMANCE CURVES

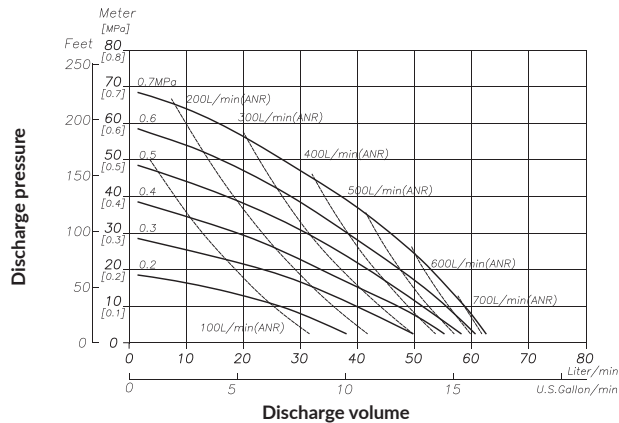


Figure 1 (Performance Curve)

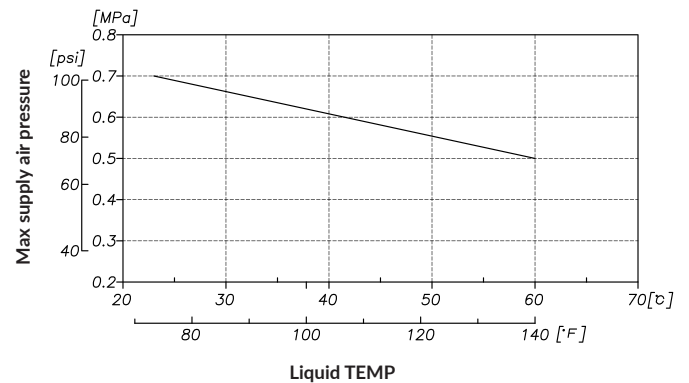
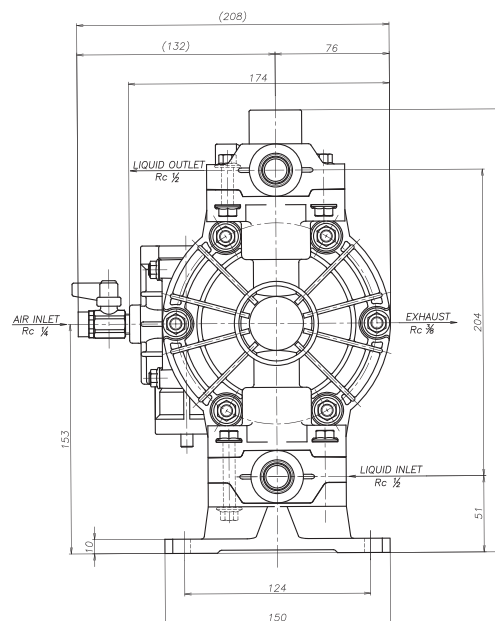
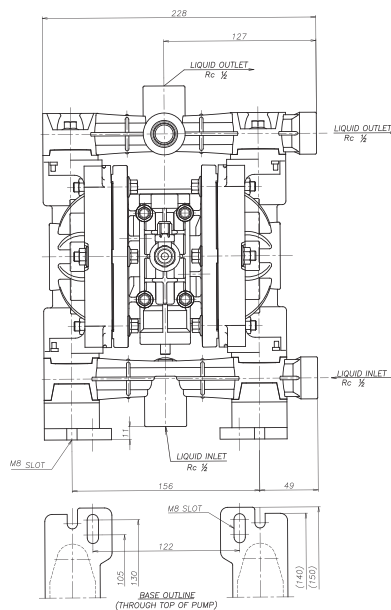


Figure 2 (Liquid Temperature Correlation Graph)

### DIMENSIONAL DRAWINGS



### EXPLORE OUR PRODUCT RANGE



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



**M-DDP25AN**  
Max Flow Series  
Diaphragm Pump 1"



**M-DDP38AN**  
Max Flow Series  
Diaphragm Pump 1½"



**M-DDP50AN**  
Max Flow Series  
Diaphragm Pump 2"



**M-DDP75AN**  
Max Flow Series  
Diaphragm Pump 3"



**M-DDP25SW**  
Max Flow Series  
Diaphragm Pump 1.5 S