

MAX FLOW SERIES

DIAPHRAGM PUMP



AIR OPERATED DOUBLE DIAPHRAGM PUMP 3/4"



M-DDP19GN-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 130 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.

Convenient Side Port

Easy access for streamlined installation and flexible piping

Max Flow Diaphragms

Bigger Diaphragm size for better flow rate and longer life

Glass-Filled Polypropylene Body

Wide range of chemical compatibility for broader applications



High Flow Rates

Designed to facilitate high discharge volume upto 130 LPM

Low Air Consumption

Allows quieter operations

Machined Mating Surfaces

Reducing any chances of leaks

REPAIR KITS & ACCESSORIES

- M-DDP19SKWE-N: Liquid side service kit
- M-DDP19SKAM: Air side service kit
- DDPMF-19-01: 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:** Glass-Filled Polypropylene (PPG) and Nitrile Buna-N (NBR).

Technical Specifications

Part Number	M-DDP19GN-01
Product Description	Air Operated Double Diaphragm Pump 3/4"
Ratio	1:1
Max. Flow Rate	130 LPM
Fluid Inlet / Outlet	3/4" BSPT (F)
Air Inlet	3/8" BSPT (F)
Max. Air Pressure	0.7MPa / 100psi
Max. Solid Size	2mm
Suction Lift	3m (dry) & 8m (wet)
Max Air Consumption	1300 L/min(ANR) [45.90 SCFM]
Liquid Temp.(°C)	0°C - 60°C
Noise Level (ISO 1996)	85 dB
Recommended fluid*	Oils (new & used), Engine Coolants (new & used), Oily water, Diesel, Diluted Acids (Sulfuric Acid, Hydrofluoric Acid)

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

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PERFORMANCE CURVES

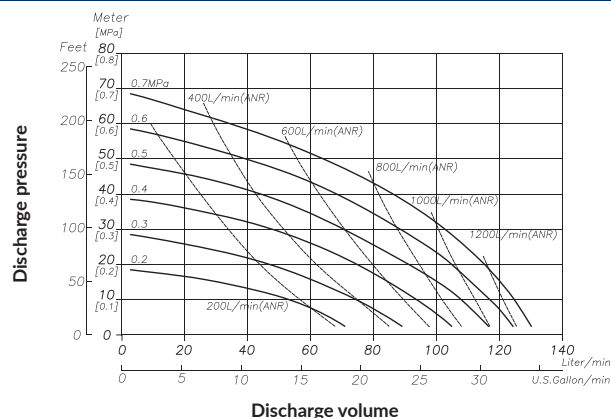


Figure 1 (Performace Curve)

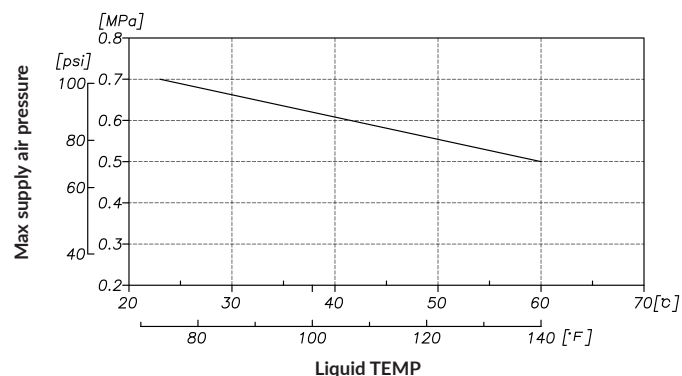
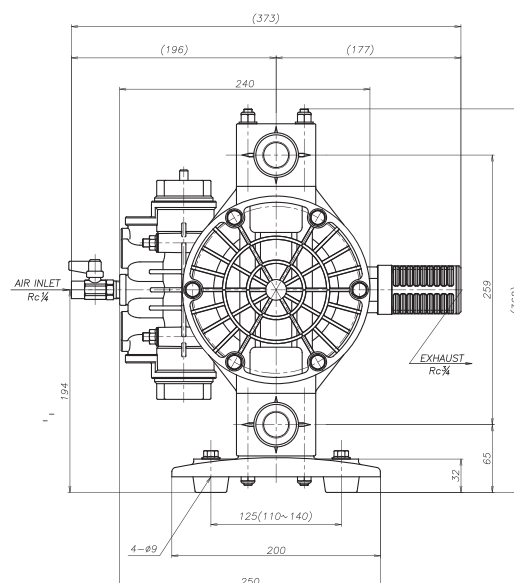
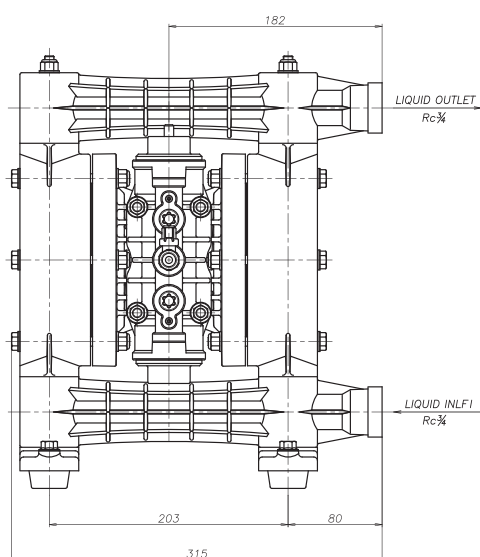


Figure 2 (Liquid Temperature Correlation Graph)

DIMENSIONAL DRAWINGS



EXPLORE OUR PRODUCT RANGE



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



M-DDP25AN
Max Flow Series
Diaphragm Pump 1"



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



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