

MAX FLOW SERIES

DIAPHRAGM PUMP



AIR OPERATED DOUBLE DIAPHRAGM PUMP 1.5 S



M-DDP25SW-014

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 180 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

Clamped with Ferrule Connections

Clamped mounting structure enables pumps to be easily serviced



High Flow Rates

Designed to facilitate high discharge volume upto 180 LPM

Low Air Consumption

Allows quieter operations

Compatible Footprints

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

REPAIR KITS & ACCESSORIES

- M-DDP25SWWE-N: Liquid side service kit
- M-DDP25SWAM: Air side service kit
- DDPMF-19-01: Exhaust Muffler

FEATURES

- Superior Sealability:** Designed to prevent leaks and maintain hygiene standards.
- 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:** PTFE • EPDM.
- Pump Wetted Parts:** Stainless Steel and PTFE.

Technical Specifications

Part Number	M-DDP25SW-014
Product Description	Air Operated Double Diaphragm Pump 1.5 S
Ratio	1:1
Max. Flow Rate	180 LPM
Fluid Inlet / Outlet	Ferrule 1.5 S
Air Inlet	3/8" BSPT (F)
Max. Air Pressure	0.7MPa / 100psi
Max. Solid Size	3mm
Suction Lift	3.5m (dry) & 8m (wet)
Max Air Consumption	1600 L/min (ANR) [56.5 SCFM]
Liquid Temp.(°C)	0°C – 100°C
Noise Level (ISO 1996)	83 dB
FDA-Compliant Applications*	Food & Beverage, Pharmaceuticals, Cosmetics & Personal Care, Nutraceuticals, Chemicals, and Petrochemicals.

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

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PERFORMANCE CURVES

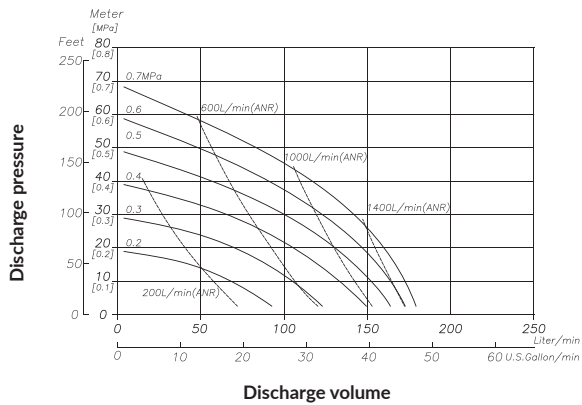


Figure 1 (Performance Curve)

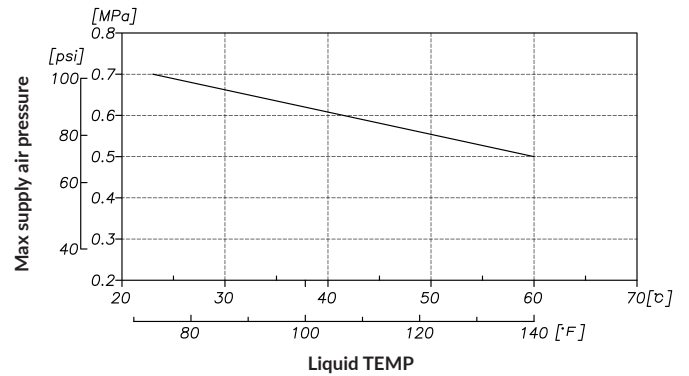
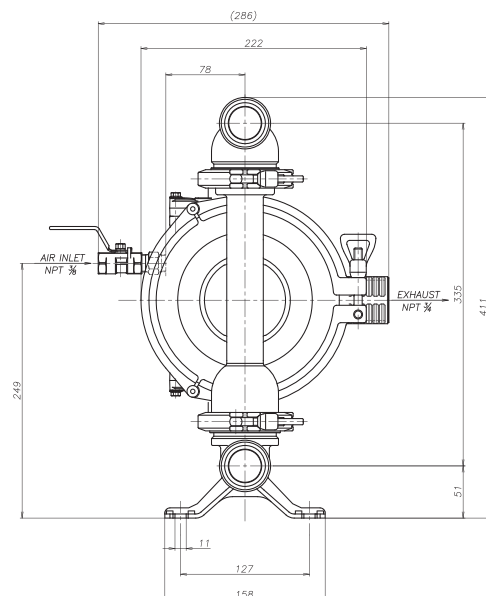
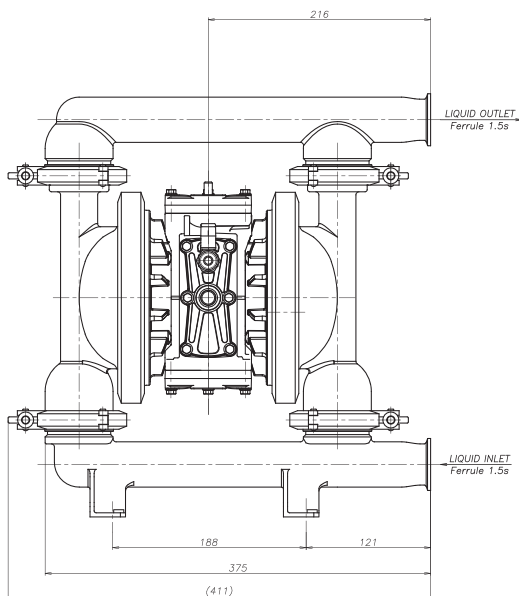


Figure 2 (Liquid Temperature Correlation Graph)

DIMENSIONAL DRAWINGS



EXPLORE OUR PRODUCT RANGE



M-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-DDP50AN
Max Flow Series
Diaphragm Pump 2"



M-DDP75AN
Max Flow Series
Diaphragm Pump 3"