1000 SERIES
SINGLE HEAD DIAPHRAGM PUMP

Versatile. Durable. Performance-optimized.

Product Snapshot

- Max flow: up to **38 L/min** (1.3 cfm)
- Max vacuum: **24 inHg** (200 mbar abs)
- Max pressure: **18 psig** (1.2 bar)
- Motor options: **Brushed or Brushless DC**
- Operating voltage: **12 VDC** or **24 VDC**

Key Features

- **Flexible Integration:** Multiple port styles available
- **Serviceable design:** Replaceable diaphragms and heads
- **Proven performance:** Reliable under pressure and vacuum
- **Efficient design:** Rolled diaphragm boosts airflow
- **Customizable:** Motor, voltage, materials, and fittings

Technical Specifications

Parameter	Value
Max Flow	38 L/min (1.3 cfm)
Max Pressure	18 psig (1.2 bar)
Max Vacuum	24 inHg (200 mbar abs)
Operating Voltage	12 VDC or 24 VDC
Max Current Draw	3.0 A
Ambient / Media Temperature	41° F to 104° F (5° C to 40° C)
Weight	2.5 lb (1.1 kg)
Wetted Materials	PPS, Neoprene, Silicone

The **1000 Series** combines high flow performance with proven durability in a compact, serviceable design. These small, powerful diaphragm pumps operate efficiently with **low power consumption,** using up to 50% less energy than comparable models. **Fully customizable** and suited for both **pressure and vacuum applications,** they deliver reliable, adaptable performance across use cases from air sampling to medical aspirators and vacuum lifters.

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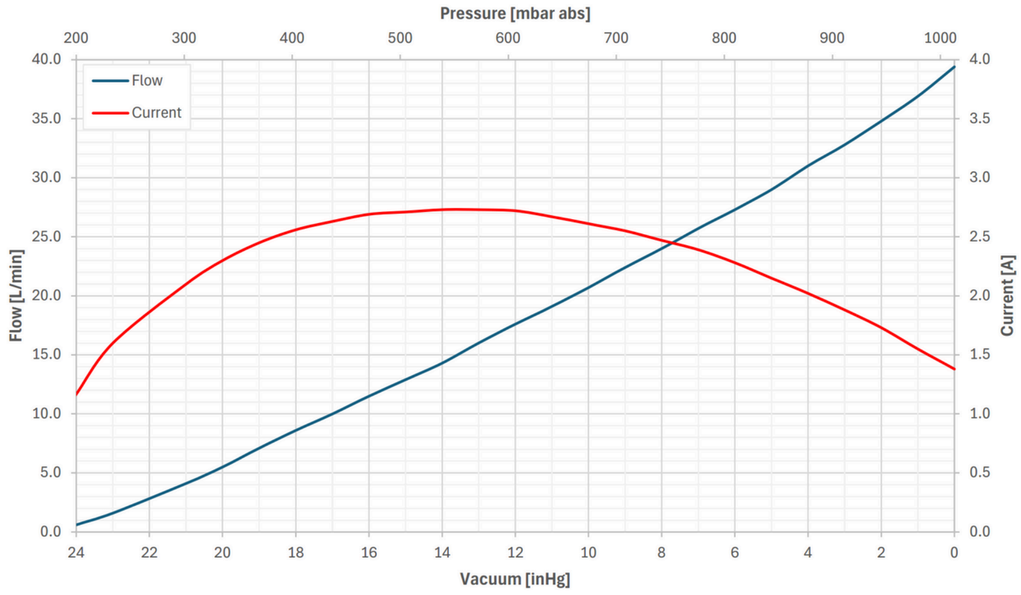
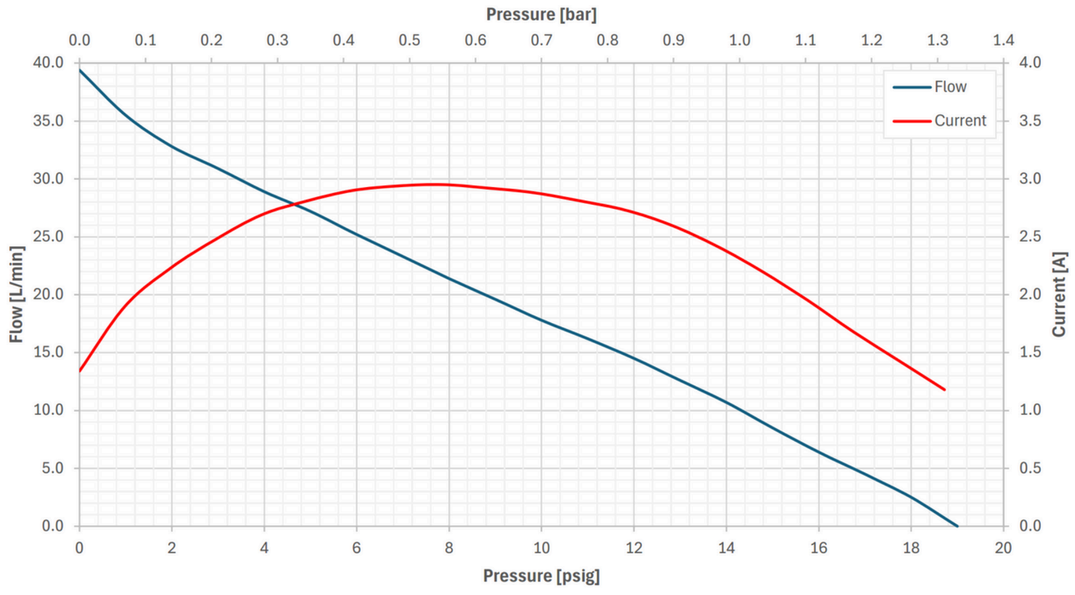
Flow Curves

Vacuum, DV1032200

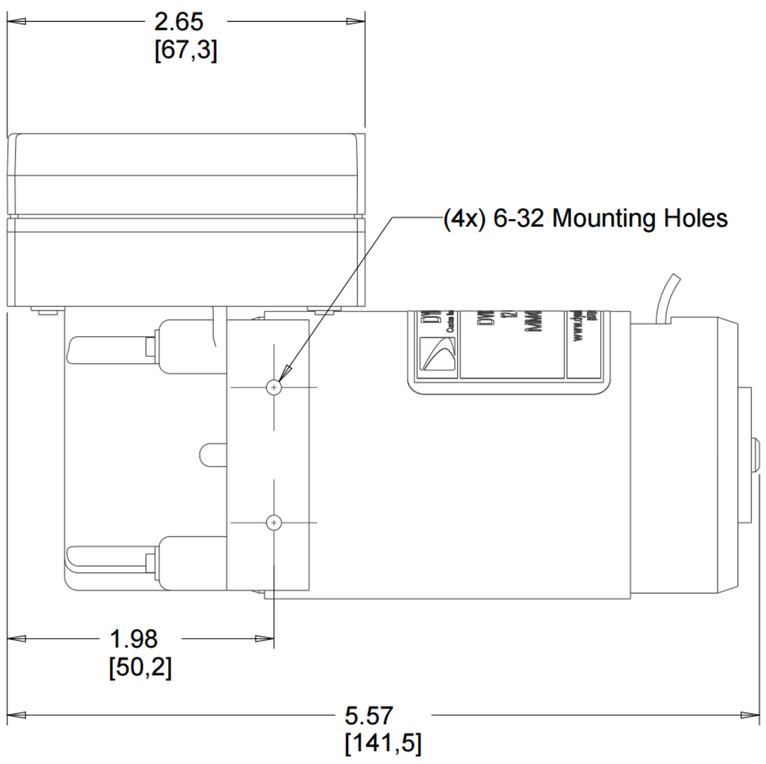


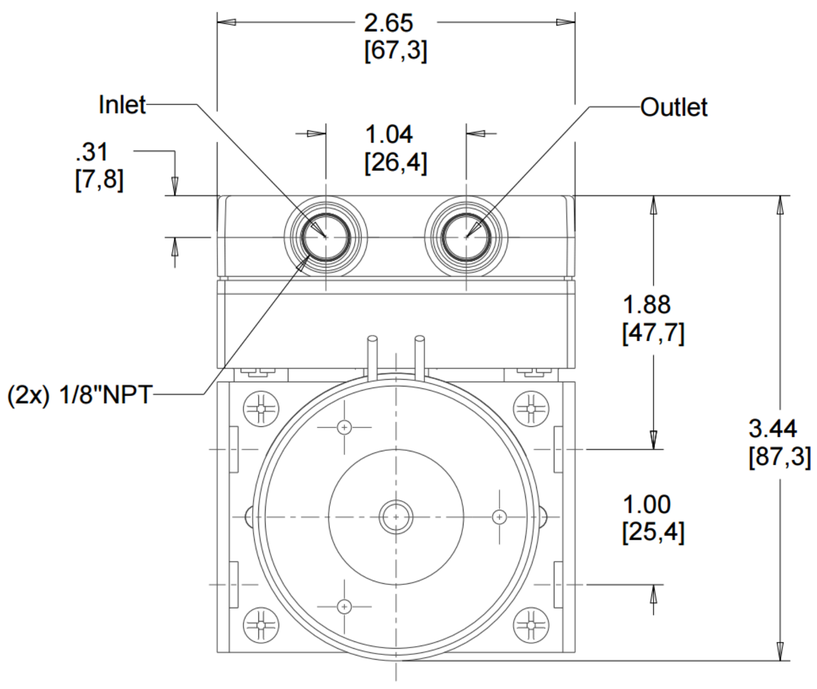
Pressure, DC1032200*



* Diaphragm is inverted 180° from vacuum (DV) configuration to compression (DC) configuration for maximum pressure use.

Dimensions





* Dimensions are in inches [mm]. DV1032200 or DC1032200 shown. 5.57 [141,5] dimension is motor selection dependent.

Available Customizations

Motor types:
Brushed or Brushless DC

Valve and diaphragm materials

Optional eccentrics
for flow/pressure tuning

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