



3000 SERIES SMOOTH FLOW DIAPHRAGM PUMP

Smooth. Consistent. Reliable.

Product Snapshot



Max flow: up to **140 L/min** (4.9 cfm)



Max pressure: **2 psig** (140 mbar rel)



Power & Flow: **2.7 lpm/W**



Motor option: **Brushless DC**



Operating voltage: **12 VDC**

Key Features



Patented Smooth-Flow Technology:
Ultra-smooth, pulse-free airflow



High efficiency:
Long-life brushless DC motor



Durable radial design:
Reduced strain, longer life



Wide operating range:
from -40° F to 120 °F (-40° C to 50 °C)



Customizable integration:
Flow, ports, materials, etc.

Technical Specifications

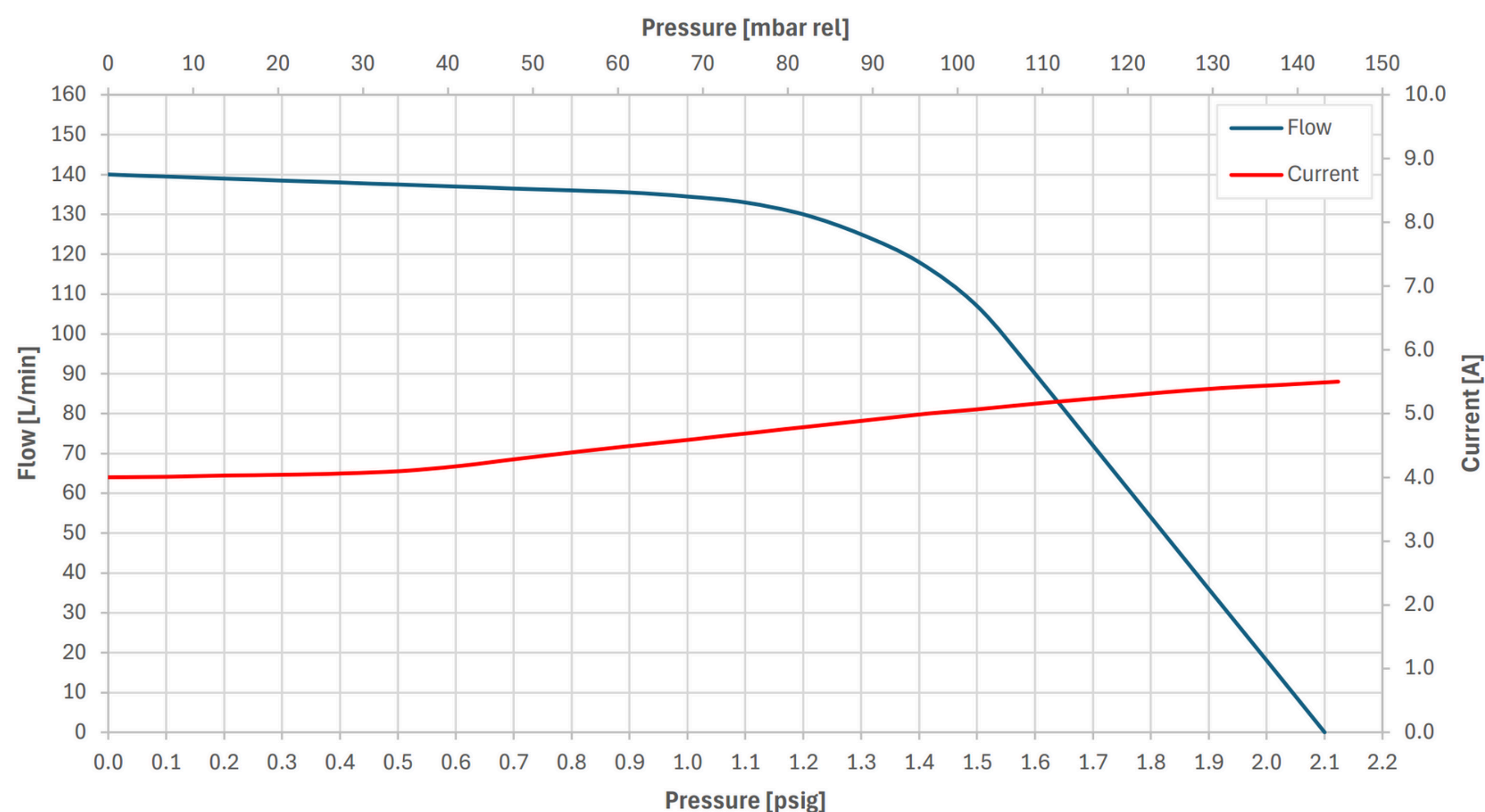
Parameter	Value
Max Flow	140 L/min (4.9 cfm)
Max Pressure	2 psig (140 mbar rel)
Operating Voltage	12 VDC
Max Current Draw	5.5 A
Ambient / Media Temperature	-40° F to 120 °F (-40° C to 50 °C)
Weight	1.5 lb (0.7 kg)
Wetted Materials	PC, EPDM, Silicone



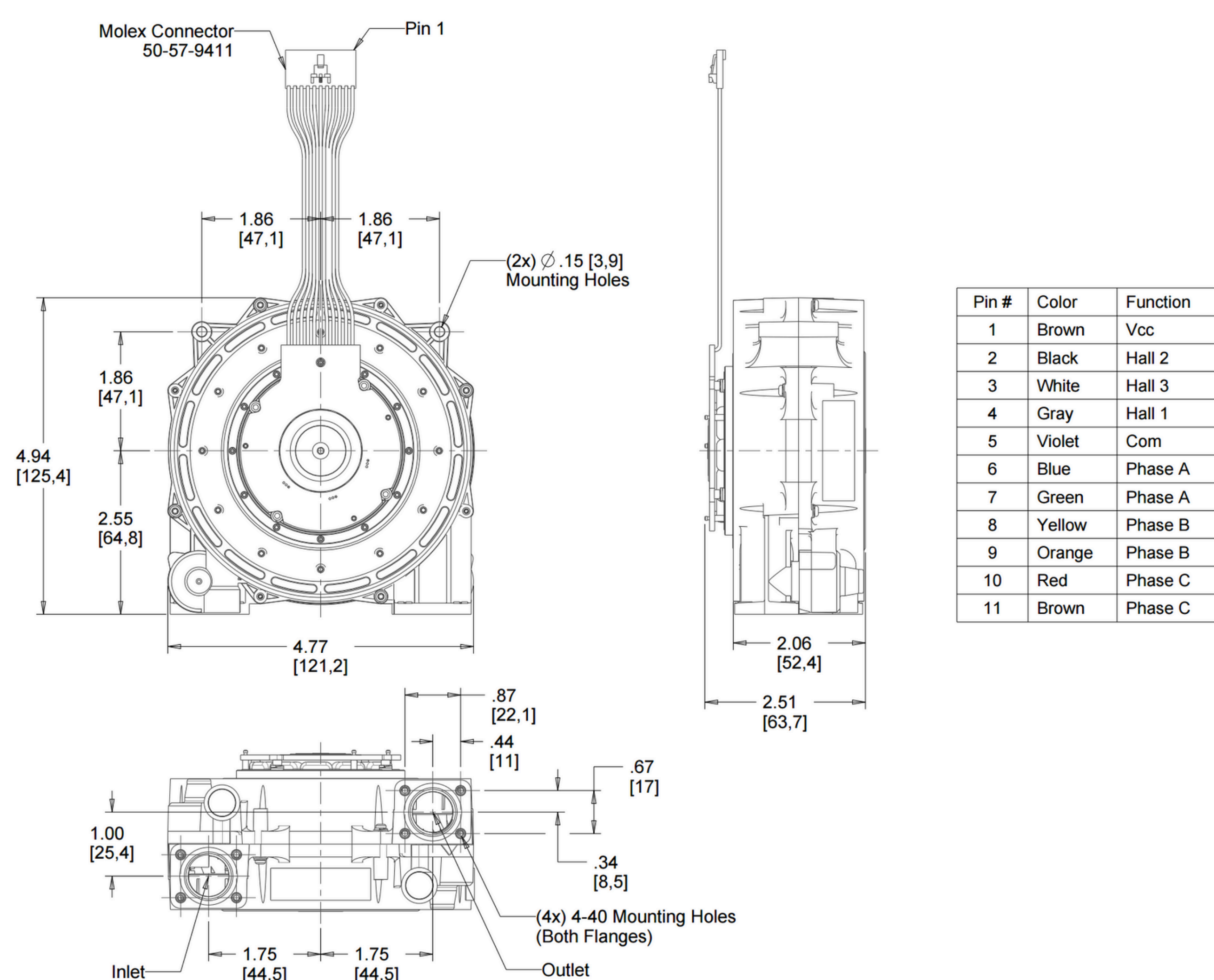
The **3000 Series** delivers **smooth, pulse-free airflow** in a **durable and efficient design**. Powered by a **long-life brushless DC motor**, these diaphragm pumps combine **high flow output with low-pressure stability**, ensuring consistent performance across demanding applications. With a patented **12-head radial configuration**, they reduce vibration, extend lifespan, and enable reliable use in environments from **-40° F to 120° F**. Fully **customizable** and ideal for products that require **steady, high-volume airflow** at low pressure, the 3000 Series offers **confidence, efficiency, and adaptability** across industries.

Flow Curve

Pressure, DP0003001

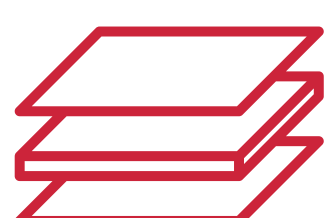


Dimensions

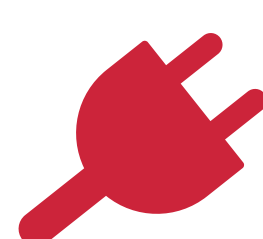


* Dimensions are in inches [mm]. DP0003001 shown.

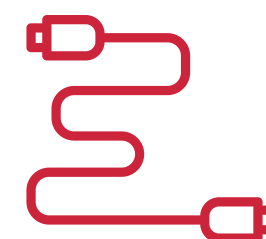
Available Customizations



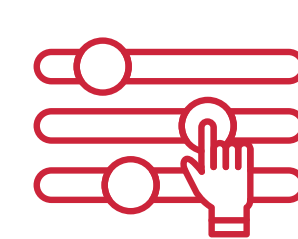
Valve and diaphragm materials



Wiring Harness: Tailored motor wiring and connectors



Suction & Discharge Adapters: Machined or plastic options available



Port Interface: Flanged connection for easy device integration