



# 6000 SERIES

## DUAL HEAD MINI DIAPHRAGM PUMP

Compact. Precise. Reliable performance in miniature design.

### Product Snapshot



Max flow: up to **9.5 L/min** (0.34 cfm)



Max vacuum: **27 inHg** (100 mbar abs)



Max pressure: **14 psig** (~1.0 bar)



Motor options: **Brushed or Brushless DC**



Operating voltage: **12 VDC** or custom

### Key Features



**Compact & lightweight:**

3.2 oz (90 g), portable, space-saving



**Precise control:**

Short pressure/vacuum bursts, accurate flow



**Reliable under load:**

Safe restarts, consistent performance



**Durable design:**

Tested for thousands of on/off cycles



**Customizable:**

Motors, voltages, materials, tubing

### Technical Specifications

Parameter	Value
Max Flow, Series or Parallel	5.0 or 9.5 L/min (0.18 or 0.34 cfm)
Max Pressure, Series or Parallel	14 or 9 psig (1.0 or 0.6 bar)
Max Vacuum, Series or Parallel	27 or 26 inHg (100 or 133 mbar abs)
Operating Voltage	12 VDC or custom
Max Current Draw	1.1 A
Ambient / Media Temperature	41° F to 104° F (5° C to 40° C)
Weight	3.2 oz (90 g)
Wetted Materials	Glass-Filled LCP, EPDM, Silicone



The **6000 Series** combines **precise flow control** with a **compact, ultra-lightweight design**. Delivering short bursts of pressure and vacuum, these miniature diaphragm pumps ensure **reliable performance even under load**. Tested for thousands of rapid cycles, they offer **long-term durability while maintaining low power consumption**. Fully customizable in motor type, voltages, materials, and tubing configurations, the 6000 Series provides **versatile solutions for applications where accuracy, reliability, and portability are essential**.



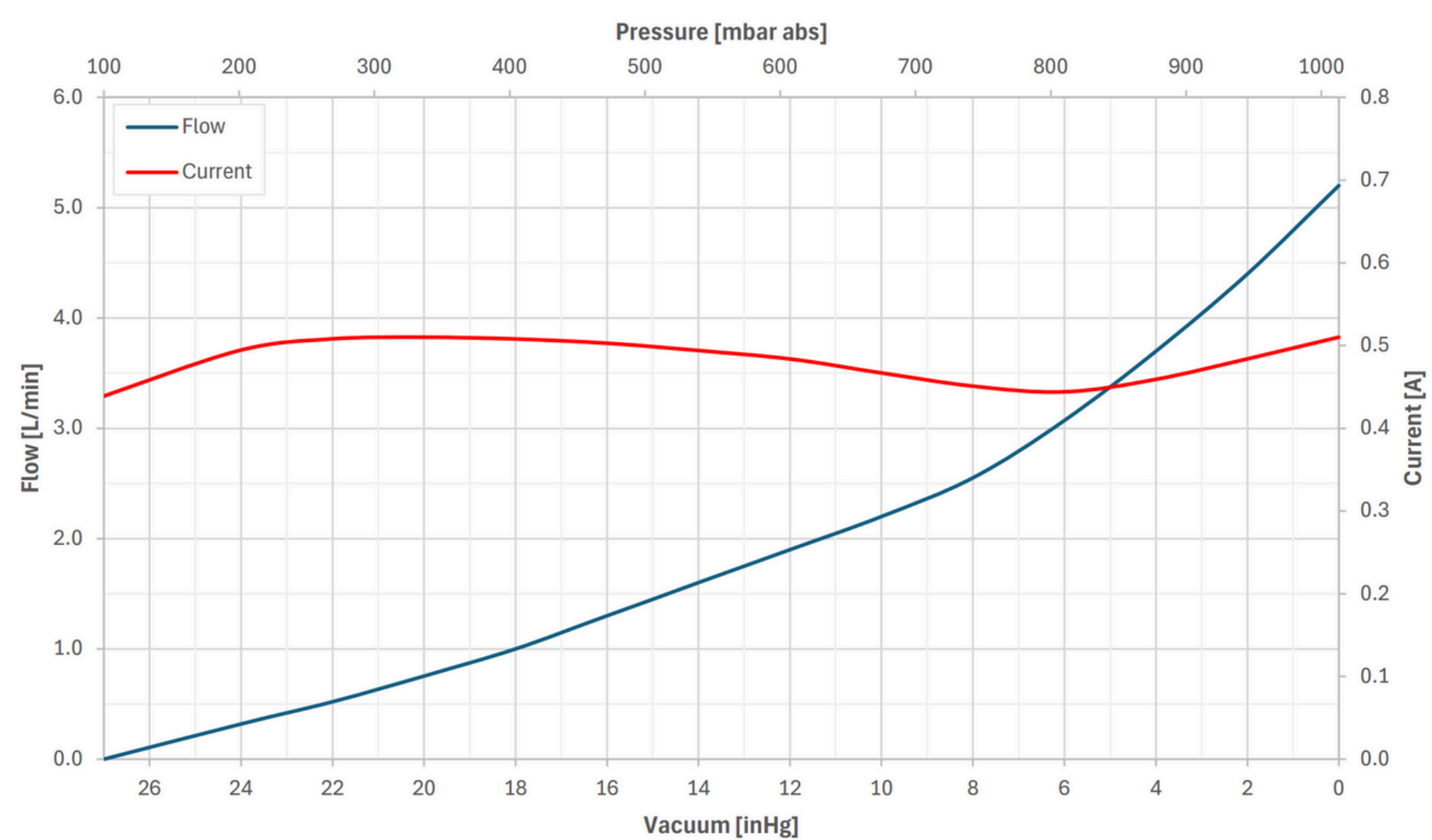


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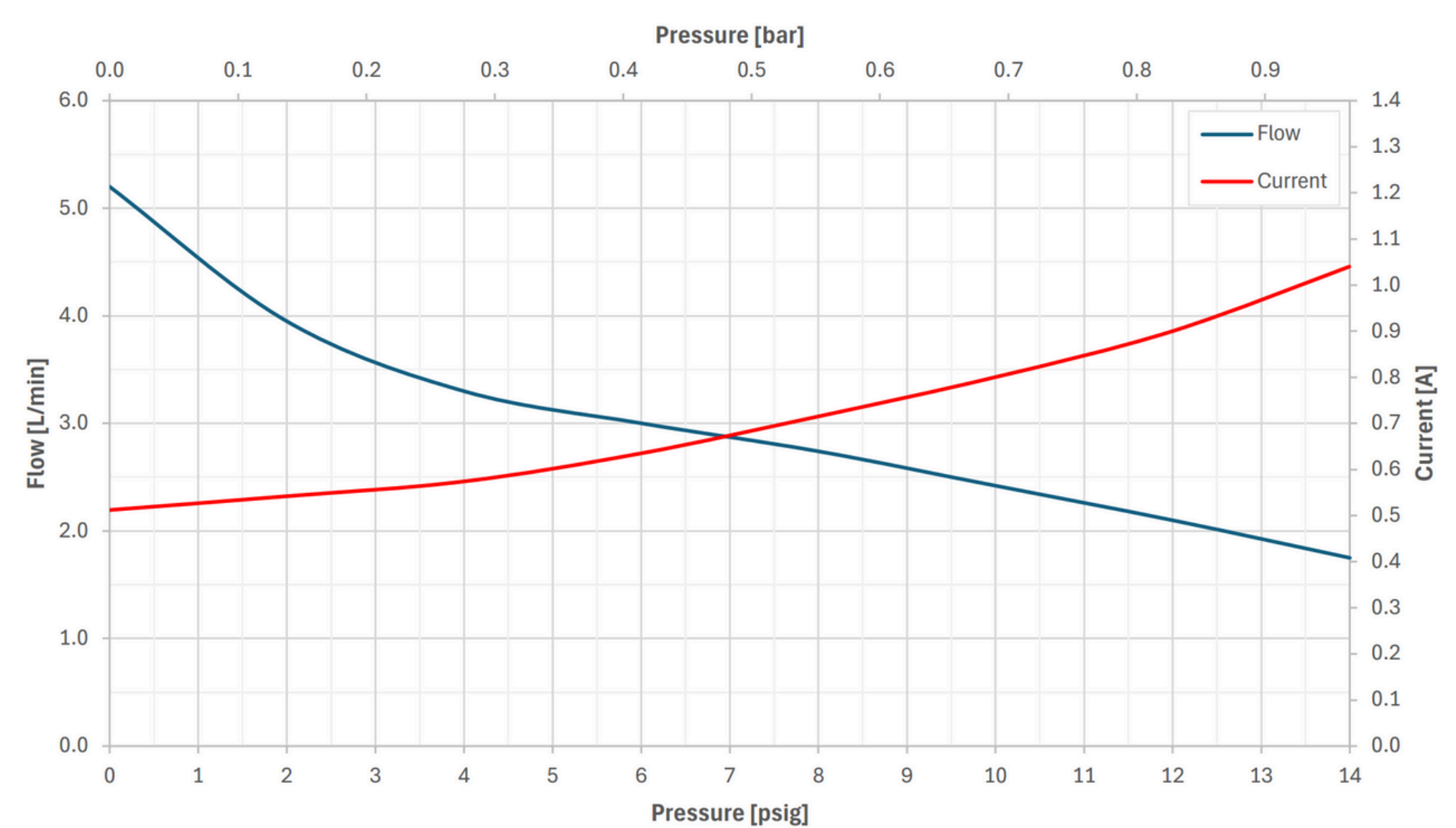
Compact. Precise. Reliable performance in miniature design.

## Flow Curves

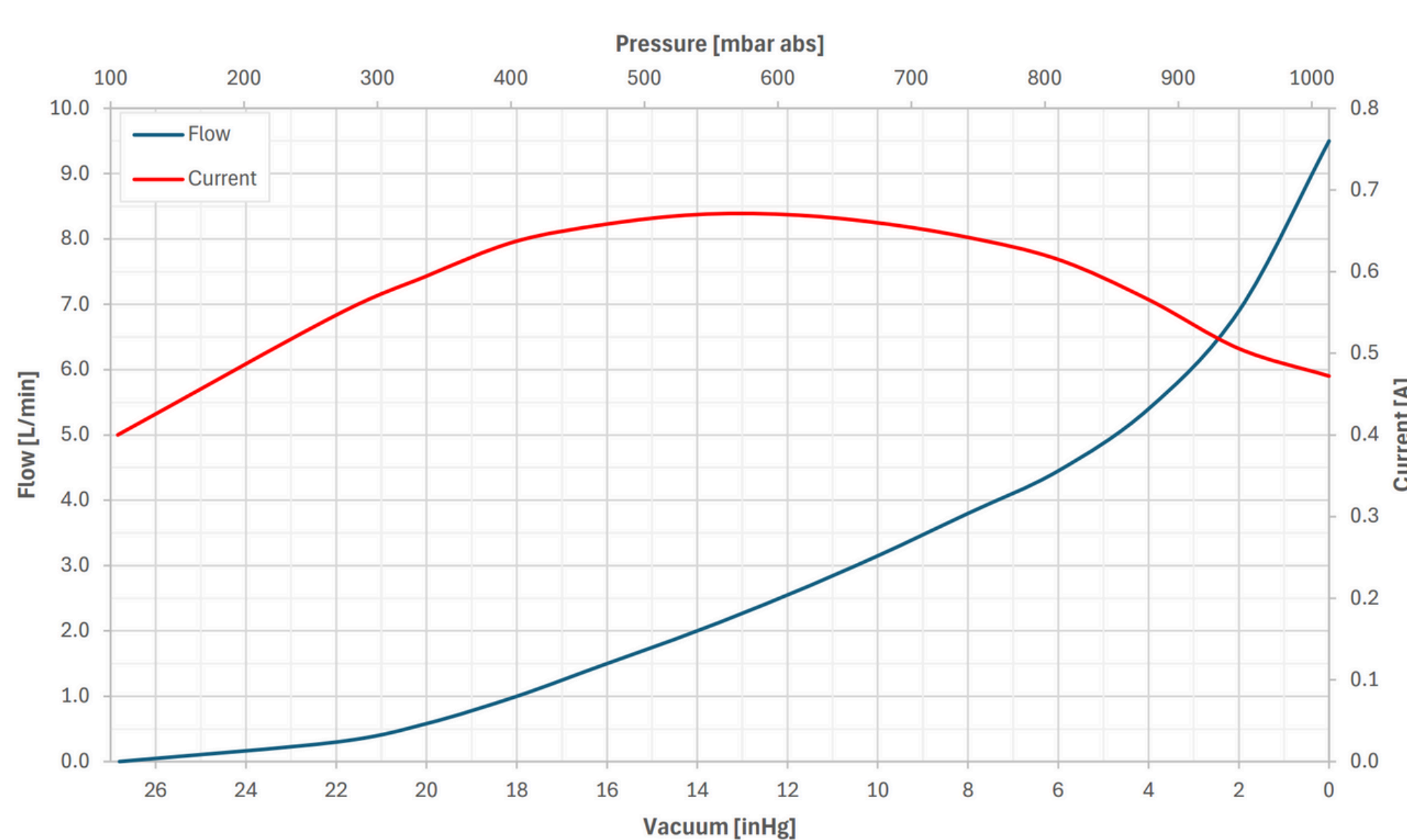
Vacuum, DD6114201 (Series)



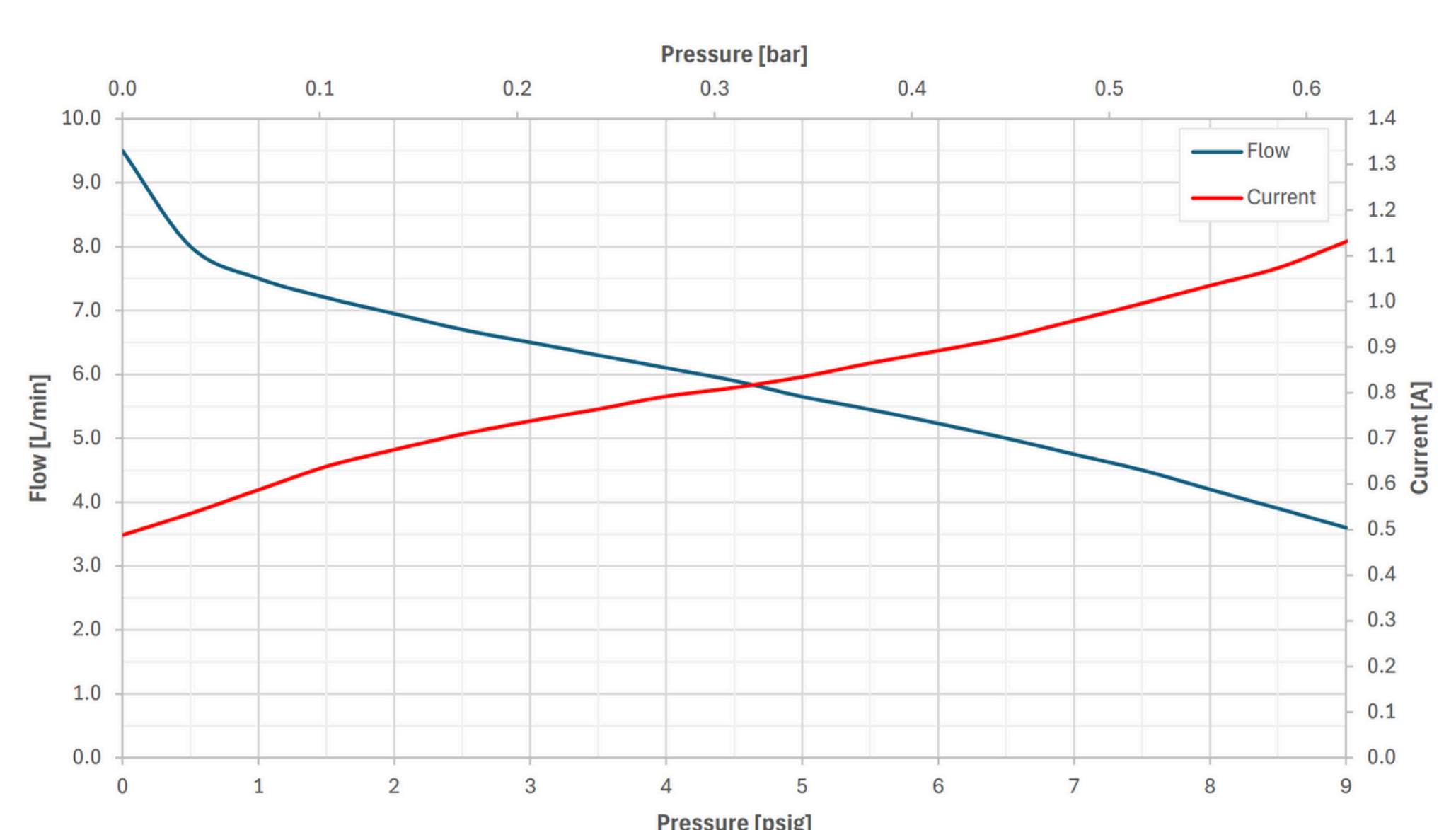
Pressure, DD6114201 (Series)



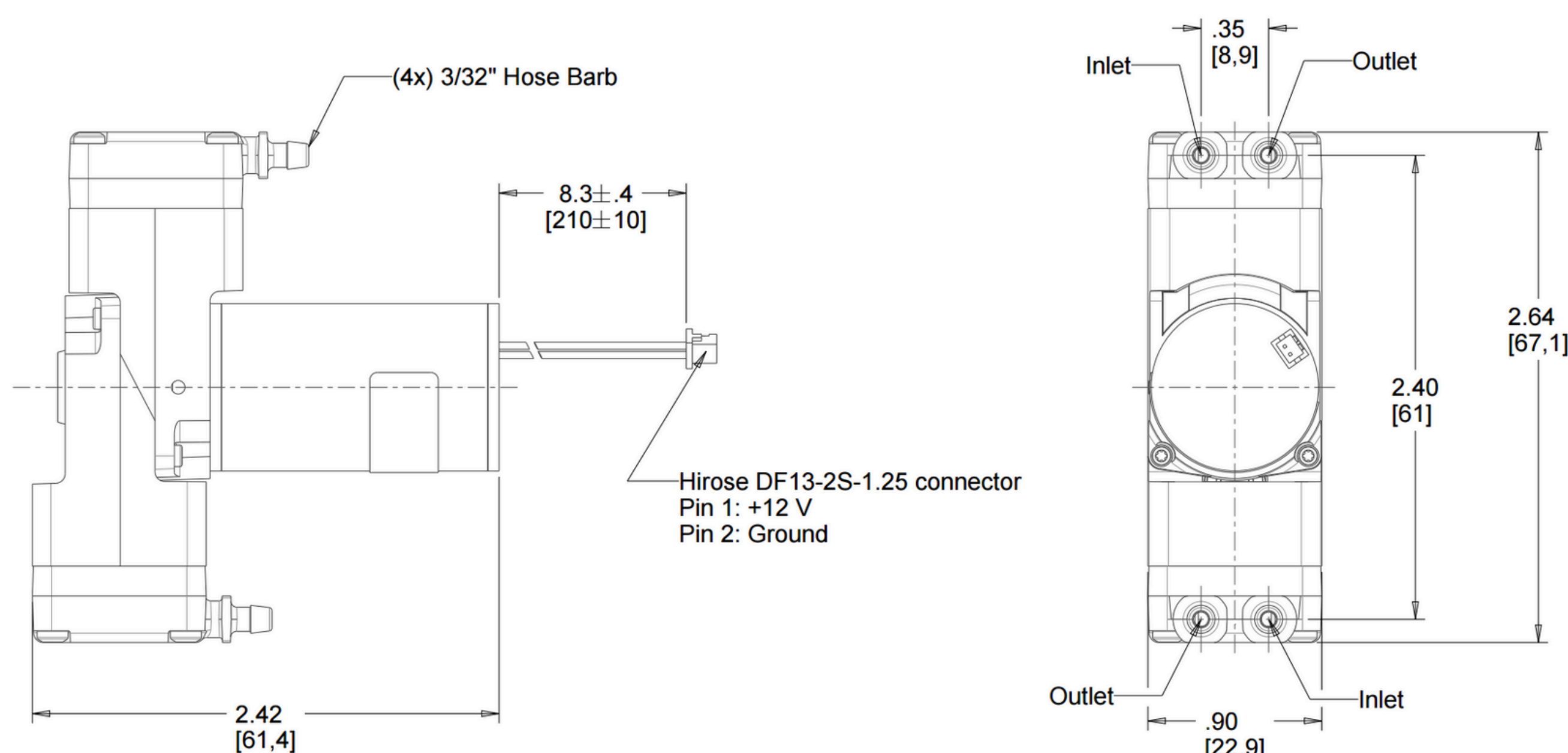
Vacuum, DD6114201 (Parallel)



Pressure, DD6114201 (Parallel)

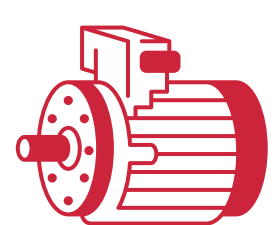


## Dimensions



\* Dimensions are in inches [mm]. DD6114201 shown. 2.42 [61,4] dimension is motor selection dependent.

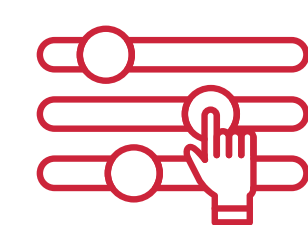
## Available Customizations



Motor types:  
Brushed or Brushless DC



Valve and diaphragm materials



Optional eccentrics  
for flow/pressure tuning