

# 5237 SERIES

## 5237 SERIES POINT-OF-USE REGULATOR



The 5237 Point-of-Use Regulator is designed to control Argon or Helium shielding gas flow in laser welding applications. The regulator/flowmeter combination provides precise flow control while maintaining the purity of the gas, making the 5237 the right choice for plasma suppression and shielding.

### Advanced Features

<b>CHROME-PLATED BRASS BODY</b>	Economical high purity design
<b>316L STAINLESS STEEL DIAPHRAGMS</b>	No inboard gas diffusion
<b>DUAL RANGE FLOW CONTROL</b>	Argon and Helium flow scales
<b>HIGH INLET PRESSURE DESIGN</b>	Flexible gas sources
<b>PRECISION METERING VALVE</b>	Precise flow control
<b>CAPSULE® SEAT ASSEMBLY</b>	Increased life and serviceability

8065237-01-1 shown

### Applications

**CO2 Laser Welding**  
Helium flow control  
30-200 SCFH

**Nd:YAG Laser Welding**  
Argon flow control  
10-60 SCFH

### Materials

**Body**  
Chrome-plated brass barstock

**Bonnet**  
Chrome-plated die cast zinc

**Seat**  
PTFE 3000 PSIG (210 BAR) max inlet

**Filter**  
10-micron sintered bronze

**Diaphragm**  
316L stainless steel

### Specifications

**Maximum Inlet Pressure**  
3000 PSIG (210 BAR)

**Temperature Range**  
-40°F to 140°F (-40°C to 60°C)

**Ports**  
¼" stainless steel compression fitting (inlet)  
⅜" stainless steel compression fitting (outlet)

**Flowtube**  
10-60 SCFH  
30-200 SCFH

**Weight**  
4.4 lbs. (2 kg)

### Ordering Information

Part Number	Description
8065237-01-1	Point-of-User Regulator Flowmeter
8350204	Rear Mounting Bracket Kit