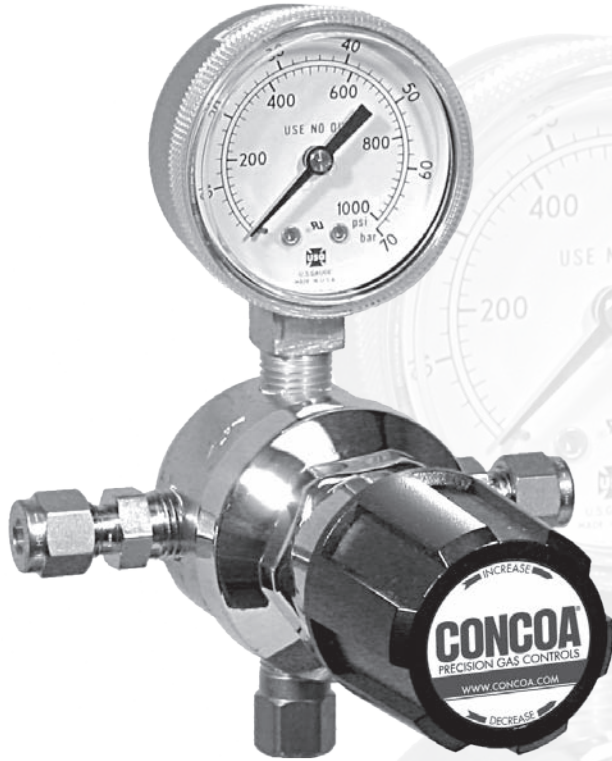


5230 SERIES Resonator Gas Supply

5230 SERIES REGULATOR



The 5230 Series Regulators are intended for primary pressure control of laser gases supplied from cryogenic liquid cylinders or other low pressure sources where pressure fluctuations can be tolerated.

Advanced Features

BRASS BARSTOCK BODY	Smooth surface finish
REAR PANEL MOUNTABLE	Easy installation
PRESSURE RANGES 0-100 TO 0-500 PSIG (0-7 BAR TO 0-34 BAR)	Safe for use with high pressure cylinders
CAPSULE® SEAT	Increased serviceability and life
316L STAINLESS STEEL DIAPHRAGM	No inboard diffusion
LOW WETTED SURFACE AREA	Minimal purge requirements
FIELD ADJUSTABLE PRESSURE LIMIT	Safeguard downstream equipment

8065230-01-1 shown

Materials

Laser Gases from Pipeline

Nitrogen
Helium
Carbon Dioxide

Shielding Gases for Laser

Argon
Helium

Body

Brass barstock

Bonnet

Chrome-plated die cast zinc

Seat

PTFE

Filter

10-micron sintered bronze

Diaphragm

316 stainless steel

Internal Seals

PTFE

Specifications

Maximum Inlet Pressure

3000 PSIG (210 BAR)

Temperature Range

-40°F to 140°F (-40°C to 60°C)

Gauge

2" (50mm) diameter dual-scale brass

Ports

1/4" FPT

Helium Leak Integrity

1 x 10⁻⁸ scc/sec

CV

0.2

Weight

2.8 lbs. (2.16 kg)

Inlet

1/4" stainless steel compression tube fitting

Outlet

1/4" stainless steel compression tube fitting

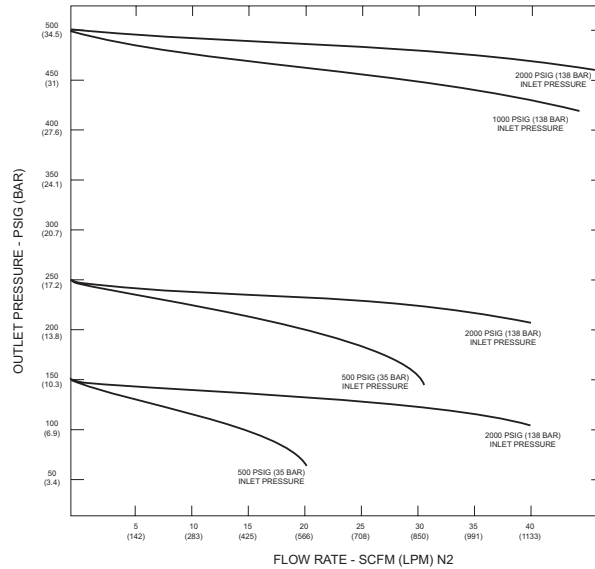
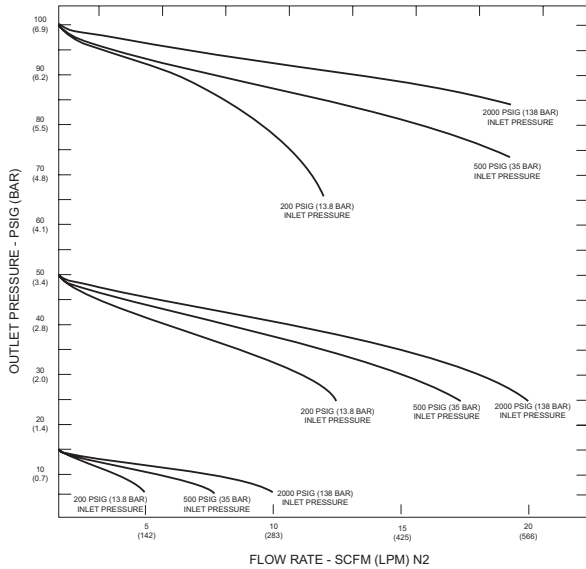
Resonator

Gas Supply

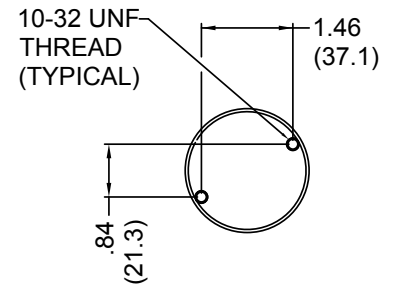
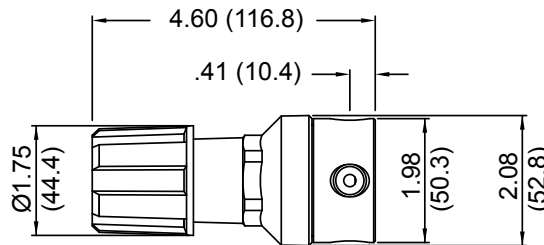
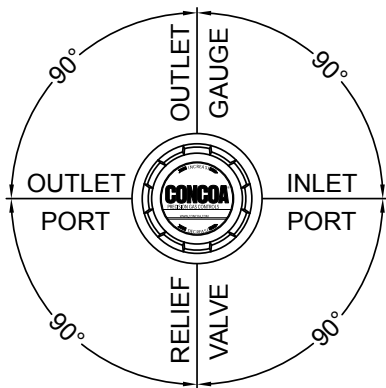
5230 SERIES

Resonator Gas Supply

Flow Performance Curves



Installation Dimensions



Ordering Information

Part Number	Delivery	Gas Service
8065230-01-1	0-500 PSIG (0-35 BAR)	Any non-corrosive gas
8065232-01-1	0-250 PSIG (0-18 BAR)	Any non-corrosive gas
8065233-01-1	0-100 PSIG (0-7 BAR)	Any non-corrosive gas
8065237-01-1	0-60 SCFH (28.3 LPM) - Argon 0-200 SCFH (94.4 LPM) - Helium	Argon or Helium

Available Options

Laser Panels	See page 7	Three gas panel delivery systems for the laser gases (Helium, Nitrogen, and Carbon Dioxide)
Purge Devices	See page 49	Tee and straight purge configurations to satisfy all requirements
Mounting Bracket	8350204	Rear panel mount bracket kit