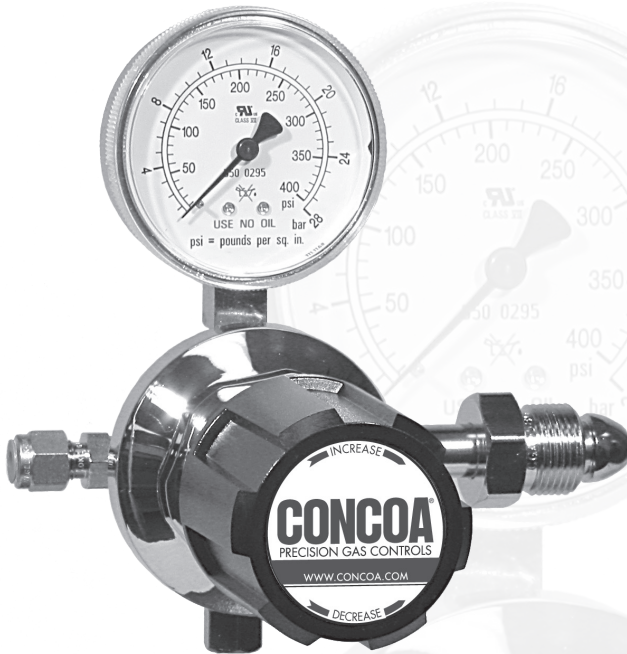


# 5260 SERIES

**Assist**  
Gas Supply

## 5260 SERIES REGULATOR



The 5260 Series regulators are designed specifically for primary pressure control of assist gases supplied from cryogenic liquid cylinders for use in medium flow up to 1500 SCFH (708 lpm) and medium pressure flow up to 200 PSIG (14 BAR) applications. The line version can be used in piping systems for lasing.

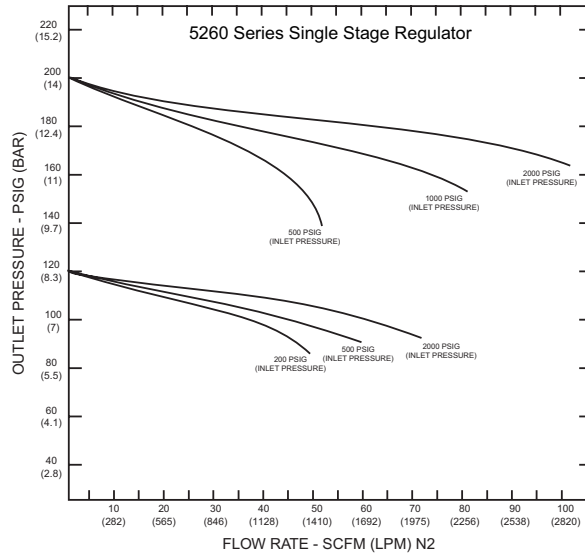
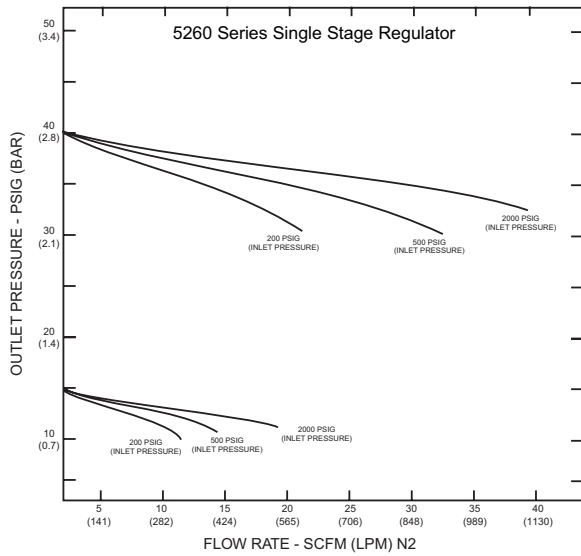
### Advanced Features

<b>DESIGNED FOR LOW INLET PRESSURES</b>	Optimized flow with liquid cylinders
<b>LARGE CAPSULE SEAT</b>	Permits flow rates unobtainable with conventional regulators
<b>3000 PSIG (210 BAR) INLET PRESSURE RATING</b>	Safe for use with high pressure cylinders
<b>FIELD ADJUSTABLE PRESSURE LIMIT</b>	Safeguard downstream equipment
<b>CONVOLUTED DIAPHRAGM</b>	Smooth pressure changes
<b>STANDARD RELIEF VALVE</b>	Diaphragm and gauge protection

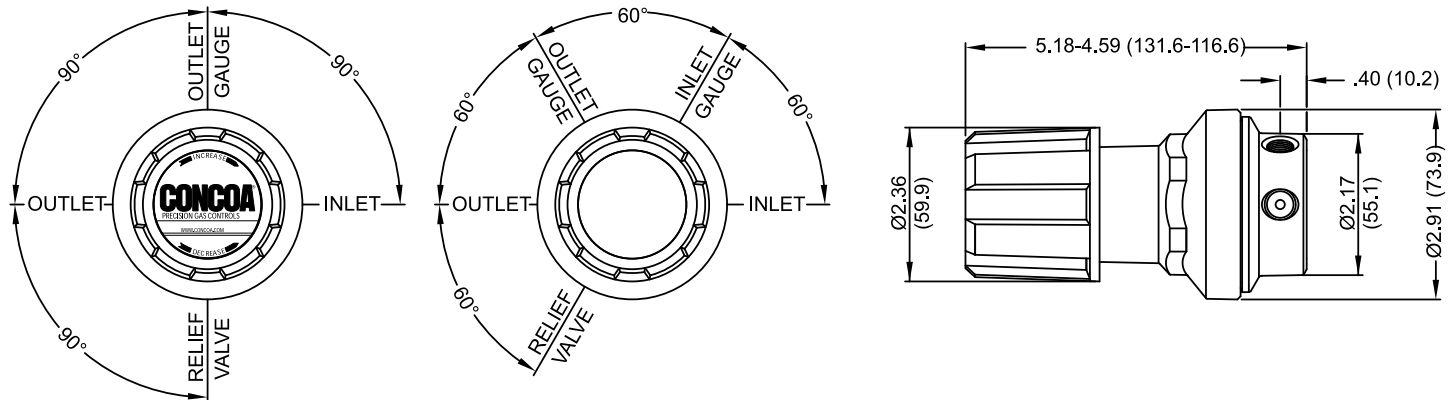
8065265-01-1 shown

Applications	Materials	Specifications
<p><b>Laser Assist Gages from Liquid Cylinders</b> Nitrogen and Oxygen from liquid cylinders with flows up to 1500 SCFH (708 lpm) and 325 or 500 PSIG (22 or 34 BAR) cylinder heads</p> <p><b>Laser Assist Gases from Pipeline</b> Nitrogen Oxygen</p> <p><b>Laser Beam Purge</b> Nitrogen or clean, dry air from a generator or cryogenic source requiring up to 1000 SCFH (472 lpm)</p>	<p><b>Body</b> Chrome-plated forged brass</p> <p><b>Bonnet</b> Chrome-plated die cast zinc</p> <p><b>Seat</b> PTFE</p> <p><b>Filter</b> 40-micron sintered bronze</p> <p><b>Diaphragm</b> 316L stainless steel</p> <p><b>Internal Seals</b> PTFE</p>	<p><b>Maximum Inlet Pressure</b> 3000 PSIG (210 BAR)</p> <p><b>Temperature Range</b> -40°F to 140°F (-40 to 60°C)</p> <p><b>Gauges</b> 2" diameter dual-scale brass</p> <p><b>Ports</b> 1/4" FPT</p> <p><b>Helium Leak Integrity</b> 1 x 10<sup>-8</sup> scc/sec</p> <p><b>Cv</b> 0.28</p>

## Flow Performance Curves



## Installation Dimensions



## Ordering Information

5260	Part Number	Inlet	Delivery Pressure	Gas Service	Outlet
<b>Series 5260</b>	8065260-01-1	½" tube inlet	0-200 PSIG (0-14 BAR)	Universal line regulator	¼" stainless steel compression tube fitting
	8065261-01-1	CGA 320	0-200 PSIG (0-14 BAR)	Carbon Dioxide	¼" stainless steel compression tube fitting
	8065265-01-1	CGA 580	0-200 PSIG (0-14 BAR)	Inert Gases (Nitrogen, Argon, and Helium)	¼" stainless steel compression tube fitting
	8065266-01-1	CGA 540	0-200 PSIG (0-14 BAR)	Oxygen	¼" stainless steel compression tube fitting
	8065267-01-1	CGA 540	0-200 PSIG (0-14 BAR)	Oxygen with 4000 PSIG (275 BAR) inlet gauge	¼" stainless steel compression tube fitting
	8065268-01-1	CGA 580	0-200 PSIG (0-14 BAR)	Inert with 4000 PSIG (275 BAR) inlet gauge	¼" stainless steel compression tube fitting
	8065263-01-1	¼" FPT	0-200 PSIG (0-14 BAR)	Universal line regulator	¼" stainless steel compression tube fitting

## Related Options

Option	Series	Description
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