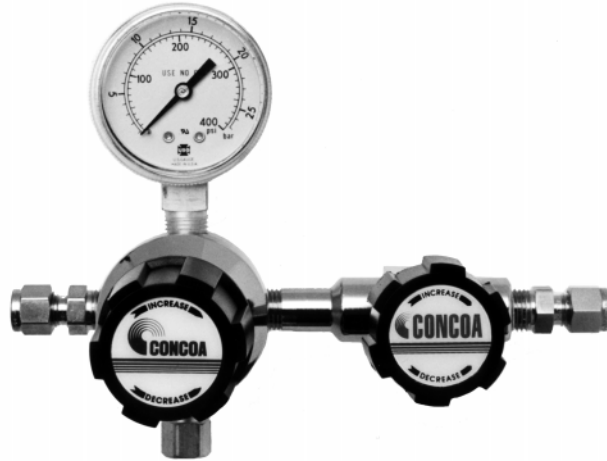


# Beam Purge Assembly

Designed to tap Nitrogen from a 623 Gas Delivery System, the 5239 Beam Purge Assembly supplies gas conveniently to purge the laser beam of a carbon dioxide industrial laser while ensuring the purity of the gas. The regulator with integral diaphragm valve may be connected directly to the low pressure port of a 623 or downstream of any high flow nitrogen source.



## Regulator Diaphragm Valve Specifications

|  |   |   |
|--|---|---|
| <p><i>Body</i><br/>Brass barstock</p> <p><i>Bonnet</i><br/>Chrome-plated die cast zinc</p> <p><i>Seat</i><br/>PTFE Teflon®</p> <p><i>Filter</i><br/>10 micron sintered bronze</p> <p><i>Diaphragm</i><br/>316L Stainless Steel</p> <p><i>Internal Seals</i><br/>PTFE Teflon®</p> | <p><i>Bodies and Fittings</i><br/>Chrome-plated brass</p> <p><i>Diaphragms</i><br/>Elgiloy®</p> <p><i>Seats</i><br/>Kel-F®</p> <p><i>Seals</i><br/>Metal to Metal</p> | <p><i>Maximum Inlet Pressure</i><br/>3000 PSIG (210 BAR)</p> <p><i>Temperature Range</i><br/>-40 to 140°F (-40 to 60°C)</p> <p><i>Gauges (PSI/BAR)</i><br/>2" diameter chrome-plated brass</p> <p><i>Inlet Connection</i><br/>¼" MPT</p> <p><i>Outlet Connection</i><br/>¼" stainless steel compression tube</p> <p><i>Helium Leak Integrity</i><br/>1 x 10<sup>-8</sup> scc/sec</p> <p><i>Cv</i><br/>0.1</p> |
|--|---|---|

## Ordering Information

| Stock Number | Description   |
|--------------|---|
| 806-5239     | Beam Purge Assembly including regulator and diaphragm valve |