

## 402 Series High Purity Regulator

DCG's 402 series high purity regulator is a single stage, brass barstock body with a 6 port configuration and a 316L stainless steel diaphragm. It can be front panel mounted or rear panel mounted

### Materials of Construction

Body: Brass barstock

Bonnet: Brass barstock

Seat: PTFE or PCTFE with 4500 PSIG inlet option

Filter: 10 micron sintered bronze mesh

Diaphragm: 316L Stainless Steel

Internal Seals: PTFE

### Specifications:

Maximum Inlet Pressure: 3000 PSIG (210 Bar)

4500 PSIG (300Bar) optional

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

Gauge: 2" diameter stainless steel

Ports: ¼" FNPT

Helium Leak Integrity: 1 x 10<sup>-9</sup> scc/sec



DCG's 402 series regulators are intended for primary pressure control of ultra-high purity gases in applications where minor fluctuations in outlet pressure due to diminishing inlet supply can be tolerated. Most typically used for Calibration Standard introduction to G.C.'s.

### RELATED OPTIONS:

Panel Mount Kit (500-0002)

Captured Vent Kit (500-0001)

Helium Leak Certificate (476-0002)



Contact a DCG

Technical Specialist for more information regarding this product.

Call Today!

**281-648-1894, Option 1**

*DCG Spec-Brief™*

*Consult the following Spec's for related Applications:*

SB-108 Instructions for attachment of Constant Volume Cylinder to Gas Chromatograph

SB-132 CGA Fittings

402	A		B	C	D	<Inlet>	Options
Series 402	Outlet Pressure	Outlet Gauge	Inlet Gauge	Outlet Assemblies	Assembly/ Gauges	Inlet Connection	Installed Options
	1: 0-15 2: 0-50 3: 0-100 4: 0-250 7: 0-150	30"-0-30 PSIG 30"-0-100 PSIG 30"-0-200 PSIG 0-400 PSIG 30"-0-200 PSIG	0: None 3: 0-4000 PSIG 5: 0-1000 PSIG 6: 0-300 PSIG 7: 0-400 PSIG 8: 0-6000 PSIG  <b>*Maximum inlet pressure 4500 PSIG (300 Bar) with PCTFE seat capsule)</b>	0: 1/4" FPT Port 1: 1/4" MPT 2: 1/4" Tube fitting 3: Diaphragm Valve 1/4" 4: Diaphragm Valve 1/4" MPT 5: Needle Valve 1/4" MPT 6: 1/8" Tube fitting 7: 3/8" Tube fitting 8: Diaphragm Valve 1/4" Tube Fitting 9: 3/8" Tube fitting A: 3/8" BSP Right Hand Fitting M: 6mm tube Fitting S: Diaphragm Valve 6 mm Fitting	0: Bare Body 1: Standard Assembly (PSIG/kPA Gauges) 2: Standard Assembly (Bar/PSIG Gauges) 4: Clean room Assembly (PSIG/kPA Gauges) 5: Clean room Assembly (Bar/PSIG Gauges)	00: 1/4" FPT TF2: 1/8" Tube TF4: 1/4" Tube TF6: 3/8" Tube M06: 6 mm Tube  CGA DIN 477 BS341 and others available	A: Protocol Alarm Station (110V) B: Protocol Alarm Station (220V) C: Protocol Switchover Station D: Deep Purge G: Protocol Switchover Station with Alarm (110V) H: Protocol Switchover Station with Alarm (220V) M: Protocol Station

The above information was provided to DCG by the product manufacturer. DCG makes no additional warranties or representations