

## 405 Series High Purity Brass Line Regulator

DCG's 405 Series high purity regulators are intended for secondary pressure control of noncorrosive, high purity or liquefied gases or as point of use pressure control in high purity gas distribution systems. The 405 Series brass line regulator is a single stage, brass barstock body with a 4 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  
Filter: 10 micron sintered bronze  
Diaphragm: 316L Stainless Steel  
Internal Seals: PTFE

### **Specifications:**

Maximum Inlet Pressure: 3000 PSIG (210 Bar)  
Temperature Range: -40°F to 60°)  
Gauge: 2" diameter brass  
Ports: ¼" FNPT  
Helium Leak Integrity: 1 x10<sup>-9</sup> scc/sec



### **Available Kits for Sale**

Panel Mount Kit (500-0002)

Captured Vent Kit (500-0001)

Helium Leak Certification  
(476-0002)

Most typically used as the final pressure regulation of carrier Gases, Fuel Gases and Oxidizer Gases on Gas Distribution Systems before introduction to G.C.'s

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

*DCG Spec-Brief™*

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

- SB-116 Brass Mini-Regulator
- SB-125 526 Series Automatic Switchover with Brass Components
- SB-127 522 Series Automatic Switchover with Brass Components
- SB-128 523 Series Automatic Switchover with Brass Components
- SB-130 536 Series Automatic Switchover GL (Gas/Liquid) System with Brass Components
- SB-131 52 Series Maniflex High Purity Modular Gas Distribution System
- SB-132 CGA Fittings



**Contact a DCG**

**Technical Specialist for more information regarding this product.**

**Call Today!**

**281-648-1894**

**Option # 1**

405	A		B	C	D	Inlet	Options
Series 405	Outlet Pressure	Outlet Gauge	Inlet Gauge	Outlet Assemblies	Assembly/ Gauges	Inlet Connections	Installed Options
	1: 0-15	30"-0-30 PSIG	0: None	0: 1/4" FPT Port	0: Bare Body	000: 1/4" FPT	A: Protocol Alarm Station (110V)
	2: 0-50	30"-0-100 PSIG		1: 1/4" MPT	1: Standard (PSIG/kPA GAUGES)	TF2: 1/8" Tube	B: Protocol Alarm Station (220V)
	3: 0-100	30"-0-200 PSIG		2: 1/4" Tube Fitting	2: Standard Assembly (BAR/PSIG Gauges)	TF4" 1/4" Tube	C: Protocol Switchover Station
	4: 0-250	0-400 PSIG		3. Diaphragm Valve 1/4" Tube Fitting	4: Clean room Assembly (PSIG/kPA GAUGES)	TF6" 3/8" Tube	
	5: 0-500	0-1000 PSIG		4. Diaphragm Valve 1/4" MPT	5: Clean room Assembly (BAR/PSIG Gauges)	MO6: 6mm Tube	
	7: 0-150	30"-0-200 PSIG		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 Fitting			
				M: 6 mm Tube Fitting			
				S: Diaphragm Valve 6 mm Fitting			