

## 432 Series High Purity Regulator

DCG's 432 Series Specialty Gas Regulator has proven to be efficient and made of quality materials. DCG's Regulators are now available Worldwide at a very competitive price.



### Typical Applications:

- EPA Protocol gases
- Gas and liquid chromatography
- High purity carrier gases
- Zero, span, and calibration gases
- Ultra-high purity chamber
- Pressurization
- Corrosive gases

**DCG Spec-Brief™**  
*SB-132 CGA Fittings*

DCG's 432 series regulator is a dual stage, stainless steel 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: 316L Stainless Steel barstock

Bonnet: Chrome-plated brass barstock

Seat: PTFE or PCTFE with 4500 PSIG inlet option

Filter: 10 micron patented Stainless Steel multi-layer mesh

Diaphragm: 316L Stainless steel

Internal seals: PTFE

### Specifications:

Maximum inlet pressure:  
3000 PSIG (210 Bar)  
4500 PSIG (310 Bar) optional

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

Gauges: 2" diameter stainless steel

Ports: ¼" FPT

Helium leak integrity: 1 X 10<sup>-9</sup> scc/sec

CV 0.1

Weight (432-2021-580)  
5.09 lbs. (2.32 kg)

432	A	B	C	D	<Inlet>	Options	
Series 432	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 8: 0-6000 PSIG*  *Maximum inlet pressure 4500 PSIG (300 Bar) with PCTFE seat capsule)	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" 9: 3/8" Tube fitting M: 6 mm Tube fitting S: Diaphragm Valve 6 mm fitting	0: 1/4" FPT Port 1: Standard Assembly (PSIG/kPA Gauges) 2: Standard Assembly (Bar/PSIG Gauges) 4: Cleanroom Assembly (PSIG/kPA Gauges) 5: Cleanroom Assembly (Bar/PSIG Gauges)	000: 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 Q: Protocol Purge Station* R: Glass Coated S: Stainless Steel Bonnet  * Not available w/4500 PSIG max inlet pressure

**Related Options:**

- Panel Mount (500-002)
- Captured Vent Kit (500-0001)
- Helium Leak Certification (476-0002)
- Passivation for fluorine (550-0003)



**DCG Partnership 1, Ltd.**

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