

425 Series Stainless Steel Line Regulator

DCG's 425 series stainless steel line regulator is a single stage, 316L stainless steel 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: 316L Stainless Steel barstock

Bonnet: Chrome-plated brass barstock

Seat: PTFE

Filter: 10 micron multi-layer 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 Brass

Ports: ¼" FNPT

Helium Leak Integrity: 1 x 10⁻⁹ scc/sec

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

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DCG's line of regulators have proven to be efficient and made of quality materials to minimize any leaks. The 425 series is flexible in the desired mount, and made of quality materials you expect from DCG.

DCG's 425 series regulators are intended for primary pressure control of ultra-high purity and corrosive gases. Most typically used as the final pressure regulation of carrier gases, fuel gases and oxidizer uses on high purity gas distribution systems before introduction to G.C.'s.

DCG Spec-Brief™
 Consult the following
 Spec's for related
 Applications:

- SB-126 527 Series Automatic Switchover with Stainless Steel Components
- SB-129 537 Series Automatic Switchover GL (Gas/Liquid) System with Stainless Steel Components
- SB-132 CGA Fittings



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Related Options

- Panel Mount Kit (500-0002)
- Captured Vent Kit (500-0001)
- Helium Leak Certificate (476-0002)
- Passivation for Fluorine Service (550-0003)

425	A	B	C	D	Inlet Inlet Connections	Options Installed Options	
Series 425	Outlet Pressure	Outlet Gauge	Inlet Gauge	Outlet Assemblies	Assembly/ Gauges		
	1: 0-15 2: 0-50 3: 0-100 4: 0-250 5: 0-500 7: 0-150	30"-0-30 PSIG 30"-0-100 PSIG 30"-0-200 PSIG 0-400 PSIG 0-1000 PSIG 30"-0-200 PSIG	0: None	0: 1/4" FPT Port 1: 1/4" MPT 2: 1/4" Tube Fitting 3. Diaphragm Valve 1/4" Tube Fitting 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 Fitting M: 6 mm Tube Fitting S: Diaphragm Valve 6 mm Fitting	0: Bare Body 1: Standard (PSIG/kPA GAUGES) 2. Standard Assembly (BAR/PSIG Gauges) 4: Clean room Assembly (PSIG/kPA GAUGES) 5: Clean room Assembly (BAR/PSIG Gauges)	000: 1/4" FPT TF2: 1/8" Tube TF4" 1/4" Tube TF6" 3/8" Tube MO6: 6mm Tube	A: Protocol Alarm Station (110V) B. Protocol Alarm Station (220V) C Protocol Switchover Station D: Deep Purge G: Protocol Switchover Station with Alarm (220V) H. Protocol Switchover Station with Alarm (220V) M: Protocol Station S: SS Bonnet

