



DCG Partnership I, LTD

## 422 Series Specialty Gas Regulator



The 422 series regulator is a single 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: Stainless steel barstock  
Bonnet: Chrome-plated brass barstock  
Seat: PTFE or PCTFE with 4500 PSIG inlet option  
Filter: 10 micron multi-layer mesh  
Diaphragm: 316L Stainless steel  
Internal seals: PTFE

Specifications:

Maximum inlet pressure: 3000 PSIG (210 Bar)  
4500 PSIG (300 Bar) optional  
Temperature range: -40°F to 140°F (-40°C to 60°C)  
Ports: 1/4" FPT  
Gauges: 2" diameter stainless steel  
Helium leak integrity:  $1 \times 10^{-9}$  scc/sec

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Chromatographic Reference Materials

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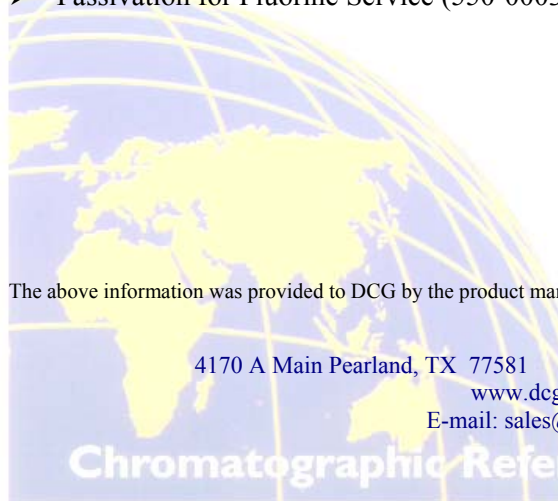
### 422 Series Regulator (continued)

#### Ordering Information

422	A		B	C	D	-Inlet	Options
Series 422	Outlet Pressure	Outlet Gauge	Inlet Gauge	Outlet Assemblies	Assembly/ Gauges	Inlet Connections	Installed Options
	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 3: 0-4000 PSIG 5: 0-1000 PSIG 6: 0-300 PSIG 7: 0-400 PSIG 8: 0-6000 PSIG *	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 Right Hand Fitting M: 6 mm 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)	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
	* Not available with 4500 PSIG maximum inlet pressure		*Maximum inlet pressure 4500 PSIG (300 Bar) with PCTFE seat capsule)				

#### Related Options:

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



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

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