

422 Series

Single Stage Stainless Steel Bodied Scientific Regulator



The 422 Series regulators are intended for primary pressure control of ultra high purity and corrosive gases in applications where minor fluctuations in outlet pressure due to diminishing inlet supply can be tolerated.

- Pressure ranges of 0-15 to 0-500 PSIG are available to cater for a broad range of applications
- 316L Stainless steel bar stock body means increased corrosion resistance
- Versatility of configuring the regulator with either front or rear panel mounting
- Metal-to-metal diaphragm seal prevents gas contamination
- Capsule seat design for greater serviceability and life
- 316L stainless steel diaphragm
- Leak test certificate

Applications:

- Gas and liquid chromatography
- Ultra high purity carrier gases
- Zero, span and calibration gases
- High purity chamber pressurization
- Control of cryogenic gases
- Corrosive gases

Specifications:

Max. Inlet Pressure: 3000 PSIG (210 BAR)
4500 PSIG (310 BAR) Option

Gauges: 2" diameter stainless steel

Temperature Range: -40° C to 60° C

Ports: 1/4" FPT

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

Cv: 0.1

Weight: 1.8 kg

Materials:

Body: 316L Stainless steel bar stock

Bonnet: Chrome plated brass bar stock

Seat: PTFE
PCTFE with 4500 PSIG inlet option

Filter: 10 micron stainless steel multi-layer mesh

Diaphragm: 316L stainless steel

Internal Seals: PTFE

ORDERING INFORMATION

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Series	Outlet Pressure	Inlet Fitting	Outlet Fitting	Options
422	15 (0-15 psig)	T10 (AS2473 Type 10)	4F (1/4" Female Port)	01 (Cross Purge)
	50 (0-50 psig)	T20 (AS2473 Type 20)	4M (1/4" Male Fitting)	02 (Captured Vent)
	100 (0-100 psig)	T30 (AS2473 Type 30)	DK (1/4" DRK valve)	03 (Panel mount kit)
	150 (0-150 psig)	CGA320	2S (1/8" Swagelok)	04 (Wall mount bracket)
	250 (0-250 psig)	CGA350	4S (1/4" Swagelok)	
	500 (0-500 psig)	CGA510	8S (1/2" Swagelok)	
		CGA540	FA (Fine adjust valve)	
		CGA580		
		4F (1/4" Female NPT)		
		4M (1/4" Male NPT)		