

425 Series

Single Stage Stainless Steel Bodied Scientific Regulator



- Covers a broad range of applications
- Stainless steel bar stock body means increased corrosion resistance
- Versatility to configure the regulator with either front or rear panel mounting
- 3000 PSI inlet pressure rating
- Metal-to-metal diaphragm seal prevents gas contamination
- Capsule seat design for greater serviceability and life
- 316L stainless steel diaphragm

Specifications:

Max. Inlet Pressure: 3000 PSI (210 BAR)

Gauges: 2" diameter stainless steel

Temperature Range: -40° C to 60° C

Body Ports: 1/4" FPT

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

Cv: 0.1 (Max outlet 50 PSI or below)
0.2 (Max outlet above 50 PSI)

Weight: 1.2 kg

Materials:

Body: 316L Stainless steel bar stock

Bonnet: Chrome plated brass bar stock

Seat: PTFE

Filter: 10 micron stainless steel multi-layer mesh

Diaphragm: 316L stainless steel

Internal Seals: PTFE

The 425 Series regulators are intended for secondary pressure control of ultra high purity and corrosive gases or as point of use pressure control in ultra high purity gas distribution systems.

ORDERING INFORMATION

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Series	Outlet Pressure	Inlet Fitting	Outlet Fitting	Options
425	15 (0-15 psi)	4F (1/4" NPT Female)	4F (1/4" NPT Female)	Inlet Purge
	50 (0-50 psi)	4M (1/4" NPT Male)	4M (1/4" NPT Male)	Captured Bonnet Vent
	100 (0-100 psi)	2S (1/8" Tube)	2S (1/8" Tube)	Panel Mount Kit
	150 (0-150 psi)	4S (1/4" Tube)	4S (1/4" Tube)	Wall Mount Bracket
	250 (0-250 psi)	8S (1/2" Tube)	8S (1/2" Tube)	Outlet Relief Valve
	500 (0-500 psi)	Others by description	2B (1/8" Hose Barb) 4B (1/4" Hose Barb) Others by description	