

403 Series

Single Stage Line Brass Bodied Scientific Regulator



- Pressure ranges of 0-15 to 0-500 PSI are available, covers a broad range of applications
- Brass bar stock body means a smoother surface finish
- 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
- Leak test certificate

Specifications:

Max. Inlet Pressure: 3000 PSI (210 BAR)

Gauges: 2" diameter brass

Temperature Range: -40° C to 60° C

Body Ports: 1/4" NPT(F)

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: 1.3 kg

Materials:

Body: Brass bar stock

Bonnet: Brass bar stock

Seat: PTFE

Filter: 10 micron sintered bronze

Diaphragm: 316L stainless steel

Internal Seals: PTFE

The 403 Series regulators are intended for secondary pressure control of non-corrosive, high purity or liquefied gases or as point of use pressure control in high purity gas distribution systems.

ORDERING INFORMATION

S403 - XXX - XXX - XXX - XX

Series	Outlet Pressure	Inlet Fitting	Outlet Fitting	Options
S403	15 (0-15 psi)	4F (1/4" NPT Female)	4F (1/4" NPT Female)	02 (Captured Vent)
	50 (0-50 psi)	4M (1/4" NPT Male)	4M (1/4" NPT Male)	03 (Panel mount kit)
	100 (0-100 psi)	2S (1/8" Tube)	2S (1/8" Tube)	04 (Wall mount bracket)
	150 (0-150 psi)	4S (1/4" Tube)	4S (1/4" Tube)	
	250 (0-250 psi)	8S (1/2" Tube)	8S (1/2" Tube)	
	500 (0-500 psi)	Others refer outlet fitting chart	2B (1/8" Hose Barb) 4B (1/4" Hose Barb) Others refer outlet fitting chart	

Flow and Basic Dimensions

