

# 401 Series Single Stage Brass Bodied Scientific Regulator



The 401 Series regulators are intended for primary pressure control of non-corrosive, high purity or liquefied gases, or where minor fluctuations in outlet pressure (as gas supply diminishes) can be tolerated.

- Pressure ranges of 0-15 to 0-500 PSI are available to cater for a broad range of applications
- Brass barstock body means a smoother surface finish
- 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

## Specifications:

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

**Gauges:** 2" diameter brass, (chrome plated)

**Temperature Range:** -40° C to 60° C

**Body Ports:** 1/4" FPT

**Helium Leak Integrity:** 1 x 10<sup>-9</sup> scc/sec

**Cv:** 0.1

**Weight:** 1.8 kg

## Materials:

**Body:** Brass bar stock

**Bonnet:** Chrome plated brass

**Seat:** PTFE  
PCTFE with 4500 PSI inlet option

**Filter:** 10 micron sintered bronze

**Diaphragm:** 316L stainless steel

**Internal Seals:** PTFE

## ORDERING INFORMATION

S401 - XXX - XXX - XXX - XX

Series	Outlet Pressure	Inlet Fitting	Outlet Fitting	Options
401	15 (0-15 psi)	T10 (AS2473 Type 10)	4F (1/4" NPT Female)	Inlet Purge
	50 (0-50 psi)	T20 (AS2473 Type 20)	2S (1/8" Tube)	Captured Bonnet Vent
	100 (0-100 psi)	T30 (AS2473 Type 30)	4S (1/4" Tube)	Panel Mount Kit
	150 (0-150 psi)	T50 (AS2473 Type 50)	8S (1/2" Tube)	Wall Mount Bracket
	250 (0-250 psi)	T60 (AS2473 Type 60)	2B (1/8" Hose Barb)	
	500 (0-500 psi)	350 (CGA350)	4B (1/4" Hose Barb)	
		540 (CGA540)	FA (Fine adjust valve)	
		580 (CGA580)	4M (1/4" NPT Male)	
		4F (1/4" NPT Female)	DK (1/4" Diaphragm valve)	
		Others by description	Others by description	