

# 401 Series

# Single Stage Brass Bodied Scientific Regulator



- 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"NPT(F)

**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

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.

### ORDERING INFORMATION

**S401 - XXX - XXX - XXX - XX**

Series	Outlet Pressure	Inlet Fitting	Outlet Fitting	Options
<b>S401</b>	<b>15</b> (0-15 psi)	<b>T10</b> (AS2473 Type 10)	<b>4F</b> (1/4" NPT Female)	<b>02</b> (Captured Vent)
	<b>50</b> (0-50 psi)	<b>T20</b> (AS2473 Type 20)	<b>2S</b> (1/8" Tube)	<b>03</b> (Panel mount kit)
	<b>100</b> (0-100 psi)	<b>T30</b> (AS2473 Type 30)	<b>4S</b> (1/4" Tube)	<b>04</b> (Wall mount bracket)
	<b>150</b> (0-150 psi)	<b>T31</b> (AS2473 Type 31)	<b>8S</b> (1/2" Tube)	<b>05</b> (310 Bar inlet pressure)
	<b>250</b> (0-250 psi)	<b>T50</b> (AS2473 Type 50)	<b>2B</b> (1/8" Hose Barb)	<b>09</b> (Inlet Tee Purge)
	<b>500</b> (0-500 psi)	<b>T60</b> (AS2473 Type 60)	<b>4B</b> (1/4" Hose Barb)	
		<b>350</b> (CGA350)	<b>FA</b> (Fine adjust valve)	
		<b>540</b> (CGA540)	<b>4M</b> (1/4" NPT Male)	
		<b>580</b> (CGA580)	<b>DK</b> (1/4" Diaphragm valve)	
		<b>590</b> (CGA590)	<b>Others</b> refer outlet fitting chart	
		<b>4F</b> (1/4" NPT Female)		
	<b>Others</b> refer inlet fitting chart			

# Flow and Basic Dimensions

