

411 Series

Dual Stage Brass Bodied Scientific Regulator



The 411 Series regulators are intended for primary pressure control of non-corrosive, high purity or liquefied gases for applications requiring constant pressure control and delivery regardless of supply pressure variations.

- Pressure ranges of 0-15 to 0-450 PSI are available to cater for a broad range of applications
- Brass barstock body means a smoother surface finish
- Front panel mountable that is easily installed
- 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 10⁻⁹ scc/sec

Cv: 0.1

Weight: 2.4 kg

Materials:

Body: Brass bar stock

Bonnet: Brass bar stock

Seat: PTFE
PCTFE with 4500 PSI inlet option

Filter: 10 micron sintered bronze

Diaphragm: 316L stainless steel

Internal Seals: PTFE

ORDERING INFORMATION

S411 - XXX - XXX - XXX - XX

Series	Outlet Pressure	Inlet Fitting	Outlet Fitting	Options
S411	15 (0-15 psi)	T10 (AS2473 Type 10)	4F (1/4" NPT Female)	02 (Captured Vent)
	50 (0-50 psi)	T20 (AS2473 Type 20)	2S (1/8" Tube)	03 (Panel mount kit)
	100 (0-100 psi)	T30 (AS2473 Type 30)	4S (1/4" Tube)	05 (310 Bar inlet pressure)
	150 (0-150 psi)	T31 (AS2473 Type 31)	8S (1/2" Tube)	09 (Inlet Tee Purge)
	250 (0-250 psi)	T50 (AS2473 Type 50)	2B (1/8" Hose Barb)	
	450 (0-450 psi)	T60 (AS2473 Type 60)	4B (1/4" Hose Barb)	
		350 (CGA350)	FA (Fine adjust valve)	
		540 (CGA540)	4M (1/4" NPT Male)	
		580 (CGA580)	DK (1/4" Diaphragm valve)	
		590 (CGA590)	Others refer outlet fitting chart	
		4F (1/4" NPT Female)		
		Others refer inlet fitting chart		

Flow and Basic Dimensions

