

# 432 Series

# Dual Stage Stainless Steel Bodied Scientific Regulator



The 432 Series regulators are intended for primary pressure control of ultra high purity or corrosive gases for applications requiring constant pressure control and delivery regardless of supply pressure variations.

- Pressure ranges of 0-15 to 0-250 PSIG are available to cater for a broad range of applications
- 316L Stainless steel bar stock body means increased corrosion resistance
- Front panel mountable that is easily installed
- 10 micron filtration in both stages to ensure seat performance
- Metal-to-metal diaphragm seal prevents gas contamination
- Capsule seat design for greater serviceability and life
- Leak test certificate

### Applications:

- EPA Protocol Gases
- Gas and liquid chromatography
- High purity carrier gases
- Zero, span and calibration gases
- High purity chamber pressurization
- Corrosive gases

### Specifications:

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

**Gauges:** 2" stainless steel

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

**Ports:** 1/4" FPT

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

**Cv:** 0.1

**Weight:** 2.3 kg

### Materials:

**Body:** 316L Stainless steel bar stock

**Bonnet:** Chrome plated brass bar stock

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

**Filter:** 10 micron stainless steel multi-layer mesh

**Diaphragm:** 316L stainless steel

**Internal Seals:** PTFE

### ORDERING INFORMATION

412 - XXX - XXX - XXX - XX

Series	Outlet Pressure	Inlet Fitting	Outlet Fitting	Options
412	15 (0-15 psig)	T10 (AS2473 Type 10)	4F (1/4" Female Port)	01 (Cross Purge)
	50 (0-50 psig)	T20 (AS2473 Type 20)	4M (1/4" Male Fitting)	02 (Captured Vent)
	100 (0-100 psig)	T30 (AS2473 Type 30)	DK (1/4" DRK valve)	03 (Panel mount kit)
	150 (0-150 psig)	CGA320	2S (1/8" Swagelok)	04 (Wall mount bracket)
	250 (0-250 psig)	CGA350	4S (1/4" Swagelok)	
		CGA510	8S (1/2" Swagelok)	
		CGA540	FA (Fine adjust valve)	
		CGA580		
		4F (1/4" Female NPT)		
		4M (1/4" Male NPT)		