

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 0-450 PSIG are available to cater for a broad range of applications
- 316L Stainless steel bar stock body means increased corrosion resistance
- 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

Applications:

- Gas and liquid chromatography
- Ultra high purity carrier gases
- Zero, span and calibration gases
- High purity chamber pressurization
- Control of cryogenic gases
- Corrosive gases

Specifications:

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

Gauges: 2" diameter stainless steel

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: 2.3 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

S432 - XXX - XXX - XXX - XX

Series	Outlet Pressure	Inlet Fitting	Outlet Fitting	Options
S432	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)	T44 (AS2473 Type 44)	DK (1/4" DRK valve)	03 (Panel mount kit)
	150 (0-150 psig)	T45 (AS2473 Type 45 or BS341 No 15)	2S (1/8" Swagelok)	05 (310 Bar inlet pressure)
	250 (0-250 psig)	T50 (AS2473 Type 50)	4S (1/4" Swagelok)	06 (STST non gas wetted)
	450 (0-545 psig)	330 (CGA 330)	8S (1/2" Swagelok)	07 (Fluorine passivation)
		350 (CGA 350)	FA (Fine adjust valve)	08 (SilcoNert treatment)
		660 (CGA 660)	Others see outlet fitting chart	
		4F (1/4" Female NPT)		
		4M (1/4" Male NPT)		
	Others refer inlet fitting chart			

Flow and Basic Dimensions

