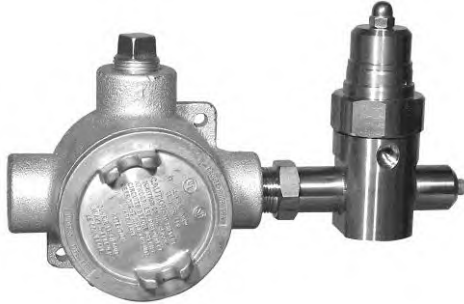


452 Series

Electrically Heated Vapourising Regulator



- Pressure ranges of 0-15 to 0-500 PSI are available to cater for a broad range of applications
- Adjustable thermistor controller
- Explosion proof electrical enclosure (Class 1, Division 1, Groups A, B, C & D)
- Capsule seat design for greater serviceability and life
- 316L stainless steel diaphragm

The 452 Series of regulators are electrically heated and is designed to heat and vapourise the inlet gas stream to ensure that it remains in a vapour phase for the process.

Specifications:

Max. Inlet Pressure: 3,000 PSI (210 BAR)

Gauges: N/A

Body Ports: 1/8" NPT(F) (inlet)
1/4" NPT(F) (outlet)

Helium Leak Integrity: 1 x 10⁻⁹ scc/sec

Cv: 0.1

Weight: 2.7 kg

Materials:

Body: 316L stainless steel

Bonnet: Chrome plated brass bar stock

Seat: PEEK (not for oxygen)

Filter: 10 micron 316L stainless steel

Internal Seals: PTFE

ORDERING INFORMATION

S452 - XXX - XXX - XXX - XX

Series	Outlet Pressure	Heater Wattage	Temperature/Voltage	Options
S452	15 (0-15 psi)	50 (50 Watt)	25 - 82°C (240 VAC)	02 (Captured Vent)
	50 (0-50 psi)	100 (100 Watt)	71- 138°C (240 VAC)	
	100 (0-100 psi)	150 (150 Watt)	121 - 193 (240 VAC)	
	150 (0-150 psi)		120 VAC models also available	
	250 (0-250 psi)			
	500 (0-500 psi)			

Flow and Basic Dimensions

