

453 Series

Steam Heated Vapourising Regulator



- Pressure ranges of 0-15 to 0-500 PSI are available to cater for a broad range of applications
- Capsule seat design for greater serviceability and life
- 316L stainless steel diaphragm

The 453 Series of regulators are steam 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" FPT (inlet)
1/4" FPT (outlet)
1/2" Tube (steam line)

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

Cv: 0.1

Weight: 1.6 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

S453 - XXX - XXX - XXX

Series	Outlet Pressure	Inlet Fitting	Outlet Fitting	Options
S453	15 (0-15 psi)	2F (1/8" NPT Female)	4F (1/4" NPT Female)	02 (Captured Vent)
	50 (0-50 psi)	4M (1/4" NPT Male)	4M (1/4" NPT Male)	
	100 (0-100 psi)	2S (1/8" Tube)	2S (1/8" Tube)	
	150 (0-150 psi)	4S (1/4" Tube)	4S (1/4" Tube)	
	250 (0-250 psi)	Others by description	8S (1/2" Tube)	
	500 (0-500 psi)		Others by description	

Flow and Basic Dimensions

