

# 451 Series

# High Temperature 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 451 Series of regulators are designed to withstand the rigorous demands of high temperature ambient or process applications up to 285°C. The corrosion and heat resistant design make it ideal for pressure control in petrochemical process systems or high temperature furnace applications.

### Specifications:

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

**Gauges:** N/A

**Body Ports:** 1/4" NPT(F)

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

**Cv:** 0.1

**Weight:** 1.0 kg

### Materials:

**Body:** 316L stainless steel

**Bonnet:** 316L stainless steel

**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
S451	15 (0-15 psi)	4F (1/4" NPT Female)	4F (1/4" NPT Female)	02 (Captured Vent)
	50 (0-50 psi)	2S (1/8" Tube)	2S (1/8" Tube)	04 (Wall mount bracket)
	100 (0-100 psi)	4S (1/4" Tube)	4S (1/4" Tube)	
	150 (0-150 psi)	8S (1/2" Tube)	8S (1/2" Tube)	
	250 (0-250 psi)	4M (1/4" NPT Male)	4M (1/4" NPT Male)	
	500 (0-500 psi)	Others refer outlet fitting chart	Others refer outlet fitting chart	

# Flow and Basic Dimensions

