

# 485 Series

# Single Stage High-Flow, Brass Bodied Scientific Regulator



The 485 Series of regulators are designed for a wide and varied range of applications including high flow purging, manifold and line regulation.

- Pressure ranges of 0-15 to 0-250 PSI are available to cater for a broad range of applications
- Brass bar stock body means a smoother surface finish
- High flow capacity
- Rear panel mountable
- 3000 PSI inlet pressure rating for safe use with high pressure cylinders
- PTFE diaphragm seal prevents gas contamination
- Internal equalization (ISOFLOW) provides constant delivery pressure at high flows
- 316L stainless steel diaphragm
- For non corrosive gases

### Specifications:

**Max. Inlet Pressure:** 3000 PSI (210 BAR)

**Gauges:** 2" diameter brass

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

**Body Ports:** 1/2" NPT(F) (inlet/outlet)  
1/4" NPT(F) (gauge/relief valve)

**Helium Leak Integrity:** 1 x 10<sup>-8</sup> scc/sec

**Cv:** 1.0

**Weight:** 2.2 kg

### Materials:

**Body:** Brass bar stock

**Bonnet:** Chrome plated die cast zinc

**Seat:** PCTFE

**Filter:** 40 micron 316L stainless steel

**Diaphragm:** 316L stainless steel

**Internal Seals:** PTFE

### ORDERING INFORMATION

S485 - XXX - XXX - XXX - XX

Series	Outlet Pressure	Inlet Fitting	Outlet Fitting	Options
S485	15 (0-15 psi)	T10 (AS2473 Type 10)	8F (1/2" NPT Female)	04 (Wall mount bracket)
	40 (0-40 psi)	T20 (AS2473 Type 20)	8S (1/2" Tube)	
	120 (0-120 psi)	T30 (AS2473 Type 30)	12S (3/4" Tube)	
	200 (0-200 psi)	T50 (AS2473 Type 50)	Others refer outlet fitting chart	
	250 (0-250 psi)	T60 (AS2473 Type 60)		
		8F (1/2" NPT Female)		
		Others refer inlet fitting chart		

# Flow and Basic Dimensions

