



400 Series Regulators

484 SERIES

The 484 Series regulator applications are wide and varied including high flow purging, semiconductor CDA and bulk gas supply, modified atmosphere packaging, pharmaceutical processing, manifold and line regulation.

- Single Stage
- Ultra-High Flow
- Stainless Steel Barstock Body
- Four Port Configuration
- 316L Stainless Steel Diaphragm

Typical Applications

Bulk gas distribution systems

Gas and liquid chromatography

High purity carrier gases

Zero, span, and calibration gases

High purity chamber pressurization

Liquefied hydrocarbon gas control

Control of cryogenic gases

Corrosive gas service



484 3001-000 shown

Features

PTFE Diaphragm Seal

No possibility of gas contamination

ISOFLOW Technology

Internal equalization provides constant delivery pressure at high flows

316L Stainless Steel Barstock Body

Corrosion resistance for smooth surface finish

Rear Panel-Mountable

Versatile system configuration

Pressure Ranges 0-15 to 0-250 PSIG (0-1 to 0-17 BAR)

Broad range of applications

3000 PSIG (210 BAR) Inlet Pressure

Rating

Safe use with high pressure cylinders

Pipe Away Relief Valve

Safely vents exhaust gases

Materials

Body

316L stainless steel barstock

Bonnet

Chrome-plated die-cast zinc

Seat

PCTFE

Filter

40 micron 316L stainless steel mesh

Diaphragm

316L stainless steel

Internal Seals

PTFE

Specifications

Maximum Inlet Pressure

3000 PSIG (210 BAR)

Temperature Range

-40°F to 140°F (-40°C to 60°C)

Gauge

2" (53mm) diameter stainless steel

Ports

1/2" FPT (inlet/outlet)

1/4" FPT (gauge/relief valve)

Helium Leak Integrity

1 x 10⁻⁸ scc/sec

Cv

1.0

See page 204 for flow curves

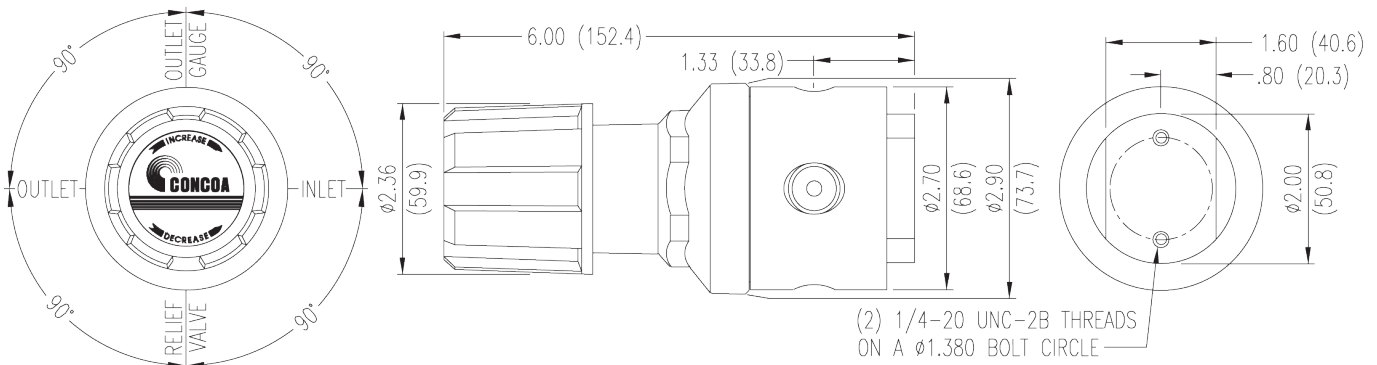
Weight (484 3001-000)

4.52 lbs. (2.05 kg)

400 Series Regulators



Installation Dimensions



REGULATORS

Ordering Information

484	A	B	C	D	-CON	Installed Options
Series 484	Outlet Pressure	Outlet Gauge	Inlet Gauge	Outlet Assemblies	Assembly/Gauges	Inlet Connections
	1: 0-15 PSIG (0-1 BAR)	30"-0-30 PSIG/-1-0-2 BAR	0: None	0: 1/2" FPT port	0: Bare body	000: 1/2" FPT
	2: 0-40 PSIG (0-3 BAR)	30"-0-60 PSIG/-1-0-4 BAR		1: 1/2" tube fitting	1: Standard assembly (PSIG/kPa gauges)	TF8: 1/2" tube
	3: 0-120 PSIG (0-8 BAR)	30"-0-200 PSIG/-1-0-14 BAR		5: Needle valve 1/4" MPT	2: Standard assembly (BAR/PSIG gauges)	M12: 12mm tube
	4: 0-200 PSIG (0-14 BAR)	0-400 PSIG/0-27 BAR		P: 12mm tube fitting	6: Mirror image assembly (PSIG/kPa gauges)	
	5: 0-250 PSIG (0-17 BAR)	0-400 PSIG/0-27 BAR			7: Mirror image assembly (BAR/PSIG gauges)	

Related Options

Options	Order No.	Description
Panel mount kit	835 0204	To mount the regulator from the rear



Regulator Flow Curves

Flow Curves for 483, 484, 485, 486 Series

