



400 Series Regulators

485 Series Regulator

Single Stage

Ultra-High Flow

Brass Barstock Body

Six-Port Configuration

316L Stainless Steel Diaphragm

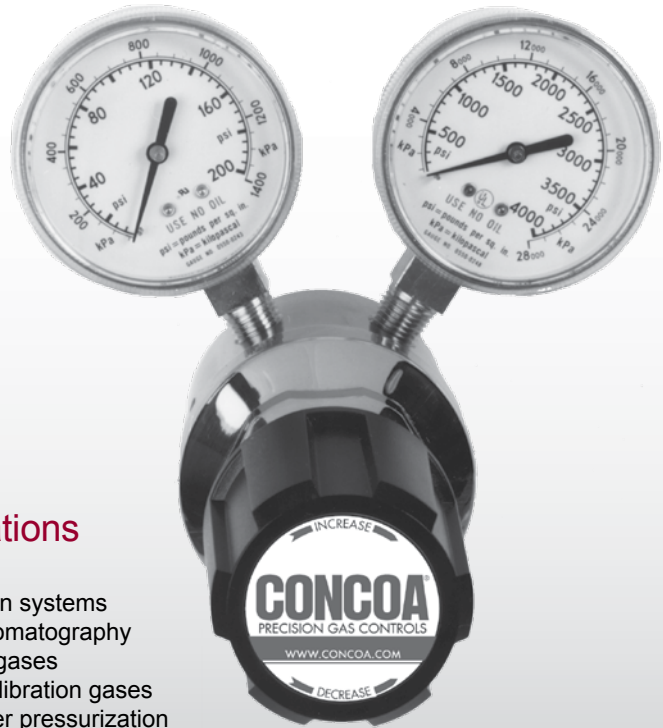
The 485 Series regulator applications are wide and varied including high flow purging, semiconductor manufacturing, manifold and line regulation.

Features

- Brass barstock body
Smooth surface finish
- Rear panel-mountable
Versatile system configuration
- Pressure ranges 0-15 to 0-250 PSIG
Broad range of applications
- 3000 PSIG inlet pressure rating
Safe use with high pressure cylinders

Typical Applications

- Ultra-high Flow
- 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



485-3301 shown

400 Series Advantage

- PTFE diaphragm seal
No possibility of gas contamination
- ISOFLOW™ technology
Internal equalization provides constant delivery pressure at high flows
- 316L stainless steel diaphragm
No inboard diffusion
- Low wetted surface area
Minimal purge requirements
- Field-adjustable pressure limit
Safeguard downstream equipment
- Pipe away relief valve
Safely vent exhaust gases

Materials

- Body
Brass barstock
- Bonnet
Chrome-plated die cast zinc
- Seat
PCTFE
- Filter
40 micron 316L stainless steel
- Diaphragm
316L stainless steel
- Internal Seals
PTFE

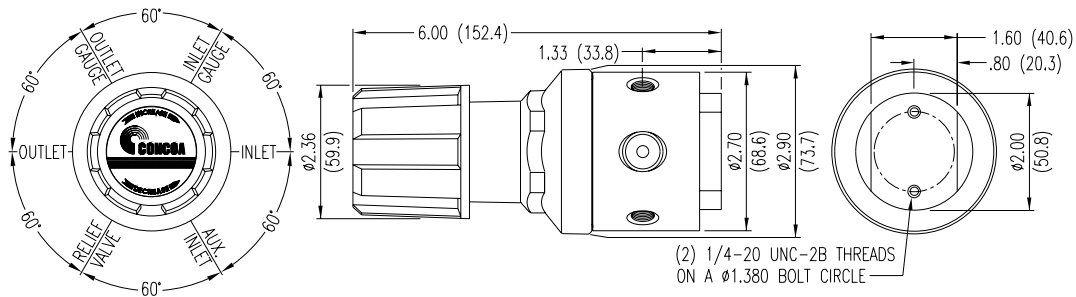
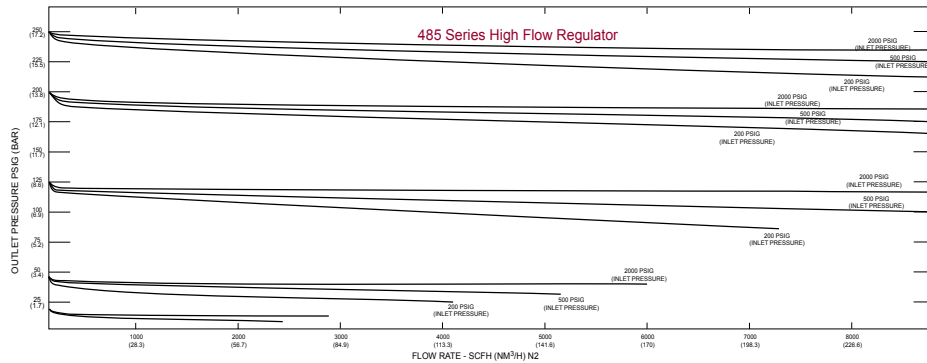
Specifications

- Maximum Inlet Pressure
3000 PSIG (210 BAR)
- Temperature Range
-40°F to 140°F (-40°C to 60°C)
- Gauges
2" diameter brass
- Ports
1/2" FPT (inlet/outlet)
1/4" FPT (gauge/relief valve)
- Helium Leak Integrity
1 x 10⁻⁸ scc/sec
- Cv
1.0
- Weight (485-3311-580)
5.85 lbs. (2.65 kg)

400 Series Regulators



Technical Information



Ordering Information

485	A	B	C	D	-Inlet	Options	
Series 485	Outlet Pressure	Outlet Gauge	Inlet Gauge	Outlet Assemblies	Assembly/Gauges	Inlet Connections	Installed Options
	1: 0-15	30"-0-30 PSIG	0: None	0: 1/2" FPT Port	0: Bare Body	000: 1/2" FPT	A: Protocol Alarm Station (110V)
	2: 0-40	30"-0-60 PSIG	3: 0-4000 PSIG	1: 1/2" Tube Fitting	1: Standard Assembly (PSIG/kPa Gauges)	TF8: 1/2" Tube	B: Protocol Alarm Station (220V)
	3: 0-120	30"-0-200 PSIG	5: 0-1000 PSIG	5: Needle Valve 1/4" NPT	2: Standard Assembly (BAR/PSIG Gauges)	M12: 12mm Tube	C: Protocol Switchover Station
	4: 0-200	0-400 PSIG	6: 0-300 PSIG	P: 12mm Tube Fitting		CGA DIN 477 BS 341 and others available	G: Protocol Switchover Station with Alarm (110V)
	5: 0-250	0-400 PSIG	7: 0-200 PSIG				H: Protocol Switchover Station with Alarm (210V)
			9: 0-600 PSIG				M: Protocol Station
							Q: Protocol Purge Station