



# 400 Series Regulators

## 492 Series Regulator

Single Stage

Piston-Sensed

Ultra-High Pressure

Chrome-Plated  
Brass Barstock Body

The 492 Series regulators are intended for primary pressure control of non-corrosive gases at a maximum inlet pressure of 6000 PSIG.

### Advanced Features

- Chrome-plated brass barstock body  
Smooth surface finish
- Front and rear panel-mountable  
Versatile system configuration
- Pressure ranges 0-750 to 0-6000 PSIG  
Broad range of applications
- Six-port design  
Flexible installation alternatives

### Typical Applications

- Airplane strut charging
- Research and development laboratories
- Chemical manufacturing
- Aerospace hydraulic systems
- Pharmaceutical manufacturing
- Gauge calibration



492-5952 shown

### Features

- Large piston sensor  
Safely control pressures to 6000 PSIG
- Capsule® seat  
Increased serviceability and life
- Low wetted surface area  
Minimal purge requirements
- Field-adjustable pressure limit  
Safeguard downstream equipment

### Materials

- Body  
Chrome-plated brass barstock
- Bonnet  
Chrome-plated brass barstock
- Seat  
PCTFE (3000 and 4500 PSIG inlet)  
Arlon® (PEEK) (6000 PSIG inlet)
- Piston  
Brass barstock
- Filter  
10 micron sintered bronze
- Internal Seals  
Viton®

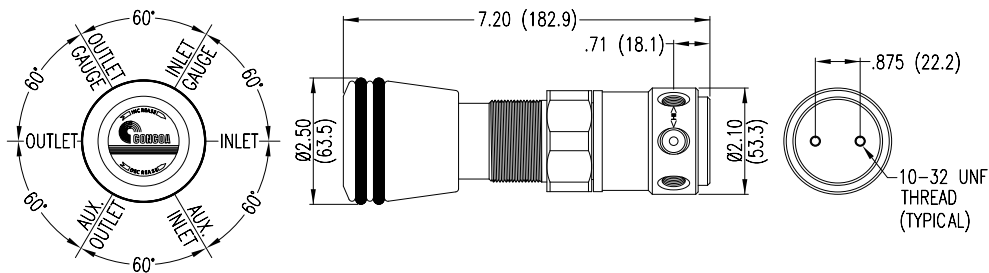
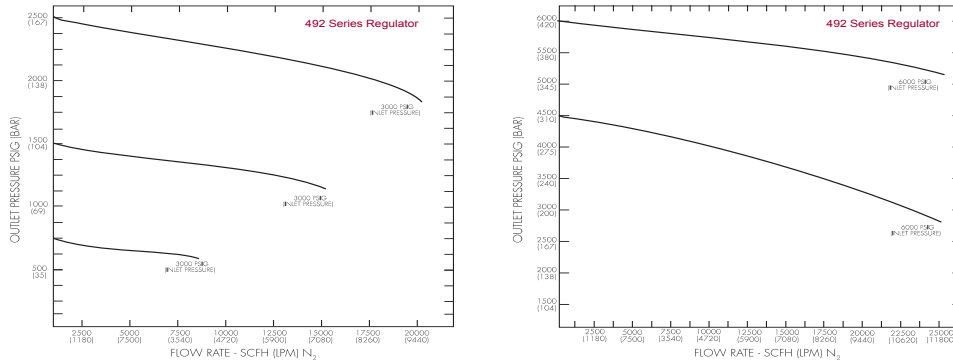
### Specifications

- Maximum Inlet Pressure  
6000 PSIG (415 BAR)
- Temperature Range  
-40°F to 140°F (-40°C to 60°C)
- Gauges  
2½" diameter chrome-plated brass
- Ports  
¼" FPT
- Cv  
0.1
- Weight (492-4851-680)  
5.59 lbs. (2.54 kg)

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## Technical Information



## Ordering Information

492	A	B	C	D	-Inlet	Options		
Series 492	Outlet Pressure	Outlet Gauge	Inlet Maximum	Inlet Gauge	Outlet Assemblies	Assembly Gauges	Inlet Connections	Installed Options
	1: 0-750	0-1000 PSIG	0: 6000 PSIG*	None	0: ¼" FPT	0: Bare Body*†	CGA DIN 477 BS 341 and others available	A: Protocol Alarm Station (110V)
	2: 0-1500	0-4000 PSIG	3: 3000 PSIG	0-4000 PSIG	1: ¼" MPT	1: Standard Assembly (PSIG/kPa Gauges)		B: Protocol Alarm Station (220V)
	3: 0-2500	0-4000 PSIG	8: 5500 PSIG	0-6000 PSIG	2: ¼" Tube	2: Standard Assembly (BAR/PSIG Gauges)		C: Protocol Switchover Station
	4: 0-4500*	0-6000 PSIG	9: 6000 PSIG	0-10,000 PSIG	5: Needle Valve ¼" MPT			G: Protocol Switchover Station with Alarm (110V)
	5: 0-6000†	0-10,000 PSIG			6: ⅜" Tube			H: Protocol Switchover Station with Alarm (210V)
	6: 0-3500*	0-6000 PSIG			7: ⅝" Tube	*6000 PSIG maximum inlet only †B must be 3, 8 or 9.		M: Protocol Station
	*Not available with 3000 PSIG maximum inlet pressure †Only available with 6000 PSIG maximum inlet pressure		* Only valid if D=1 or 2		F: Needle Valve ¼" Tube M: 6mm Tube			Q: Protocol Purge Station (3000 PSIG maximum inlet only valid if B=3)

## Related Options

Options	Order No.	Description
Panel Mount Kit	830-6483	To mount the regulator using bonnet threads. Material: Chrome-plated brass

Note: Outlet fittings and outlet valves are 316 Stainless Steel