

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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492 SERIES

The 492 Series regulators are intended for primary pressure control of non-corrosive gases at a maximum inlet pressure of 6000 PSIG (415 BAR).

- Single Stage
- Piston-Sensed
- Ultra-High Pressure
- Chrome-Plated Brass Barstock Body

Typical Applications

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



492 5952-677 shown

Features

Large Piston Sensor
Safely control pressures to 6000 PSIG (415 BAR)

CAPSULE® Seat
Increased serviceability and life

Low Wetted Surface Area
Minimal purge requirements

Field-Adjustable Pressure Limit
Safeguard downstream equipment

Chrome-Plated Brass Barstock Body
Smooth surface finish

Front and Rear Panel-Mountable
Versatile system configuration

Pressure Ranges 0-750 to 0-6000 PSIG (0-50 to 0-415 BAR)
Broad range of applications

Six Port Design
Flexible installation alternatives

Materials

Body
Chrome-plated brass barstock

Bonnet
Chrome-plated brass barstock

Seat
PCTFE 3000 and 4500 PSIG (210 and 310 BAR) inlet
Arlon® (PEEK) (6000 PSIG inlet)

Piston
Brass barstock

Filter
10 micron sintered bronze

Internal Seals
Viton® (encapsulated)

Specifications

Maximum Inlet Pressure
6000 PSIG (415 BAR)

Temperature Range
-40°F to 140°F (-40°C to 60°C)

Gauges
2 1/2" (68mm) diameter chrome-plated brass

Ports
1/4" FPT

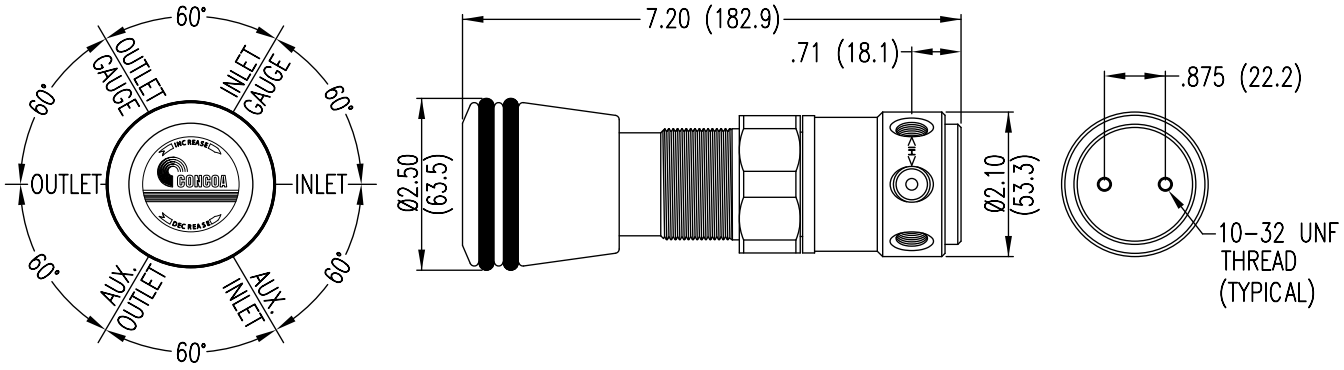
Cv
0.1
See page 204 for flow curves

Weight (492 4952-677)
5.59 lbs. (2.54 kg)

CRN 0C17947.5

400 Series Regulators

Installation Dimensions



Ordering Information

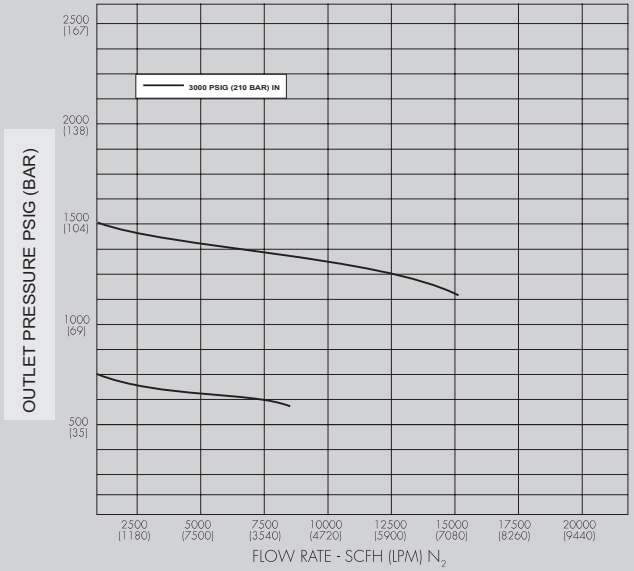
492	A		B		C	D	-CON	Options
Series 492	Outlet Pressure	Outlet Gauge	Inlet Maximum	Inlet Gauge	Outlet Assemblies	Assembly Gauges	Inlet Connections	Installed Options
	1: 0-750 PSIG (50 BAR)	0-1000 PSIG/ 0-70 BAR	**0:** 6000 PSIG (415 BAR)*	None	**0:** 1/4" FPT	**0:** Bare body†	CGA DIN 477 BS 341 and others available	**B:** Protocol alarm station with pressure switch gauges
	2: 0-1500 PSIG (0-100 BAR)	0-4000 PSIG/ 0-275 BAR	**3:** 3000 PSIG (210 BAR)	0-4000 PSIG/ 0-275 BAR	**1:** 1/4" MPT	**1:** Standard assembly (PSIG/kPa gauges)		**C:** Protocol switchover station
	3: 0-2500 PSIG (0-170 BAR)	0-4000 PSIG/ 0-275 BAR	**8:** 5500 PSIG (380 BAR)	0-6000 PSIG/ 0-415 BAR	**2:** 1/4" tube fitting	**2:** Standard assembly (BAR/PSIG gauges)		**E:** Protocol alarm station with intrinsically safe transducer for hazardous environments
	4: 0-4500 PSIG (0-310 BAR)*	0-6000 PSIG/ 0-415 BAR	**9:** 6000 PSIG (415 BAR)	0-10,000 PSIG/ 0-700 BAR	**5:** Needle valve 1/4" MPT	**6:** Mirror image (BAR/kPa gauges)		**H:** Protocol switchover alarm station with pressure switch gauges
	5: 0-6000 PSIG (0-415 BAR)†	0-10,000 PSIG/ 0-700 BAR	**Only valid if D = 1 or 2 (outlet gauge specified)*		**6:** 1/8" tube fitting	**7:** Mirror image (BAR/PSIG gauges)		**J:** Protocol alarm station with standard transducer for non hazardous environments
	6: 0-3500 PSIG (0-240 BAR)*	0-6000 PSIG/ 0-415 BAR			**7:** 3/8" tube fitting	*†B must be 3, 8 or 9 (maximum pressure specified)*		**K:** Protocol switchover alarm station with standard transducer for non hazardous environments
	**Not available with 3000 PSIG (210 BAR) maximum inlet pressure* *†Only available with 6000 PSIG (415 BAR) maximum inlet pressure*				**F:** Needle valve 1/4" tube fitting			**M:** Protocol station
					M: 6mm tube fitting			**Q:** Protocol purge station*
					Note: Outlet fittings and outlet valves are 316 stainless steel			**X:** Protocol switchover alarm station with intrinsically safe transducer for hazardous environments
								**3000 PSIG (210 BAR) maximum inlet only valid if B=3*

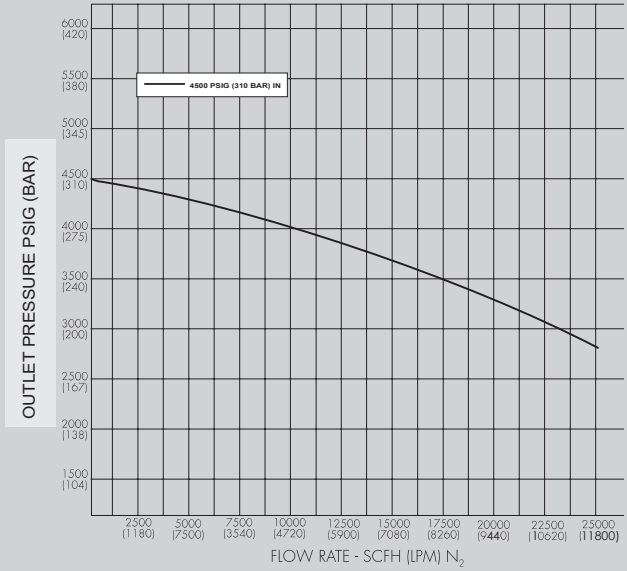
Related Options

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

REGULATORS

Flow Curves for 492, 493 Series





Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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