

# CP32 Series

## Regulators - Pressure Reducing

DCP321949X012

### Specifications

For other materials or modifications, please consult TESCOM.

#### OPERATING PARAMETERS

Pressure rating per criteria of ANSI/ASME B31.3

**Maximum Inlet Pressure**

3000 psig / 207 bar

**Maximum Outlet Pressure Range**

0-500 psig / 0-34.5 bar

**Design Proof Pressure**

150% maximum rated

**Leakage**

Bubble-tight

**Operating Temperature\***

-15°F to 140°F / -26°C to 60°C

**Flow Capacity**

$C_v = 1.0$



#### MEDIA CONTACT MATERIALS

**Body**

316 Stainless Steel, Brass

**Seat and Seal**

CTFE

**O-Rings**

Buna-N, Viton®

**Retainer, Seat**

Nitronic 60 or Brass

**Spring**

316 Stainless Steel

**Diaphragm**

316 Stainless Steel

**Remaining Parts**

316 Stainless Steel, Brass

TESCOM CP3200 Series self-contained pilot-operated high flow, high pressure, dome loaded regulator is designed for gas flows up to 1200 SCFM / 34,000 SLPM.

### Applications

- Laser assist and resonator gases
- Tank purging

### Features and Benefits

- High flow or low outlet pressures
- Balanced main valve design minimizes supply pressure effect
- Pilot operation provides fast low-torque pressure settings
- Large piston sensor provides excellent sensitivity
- Can be mounted in any position
- Low pressure droop

#### OTHER

**Cleaning**

CGA 4.1 and ASTM G93

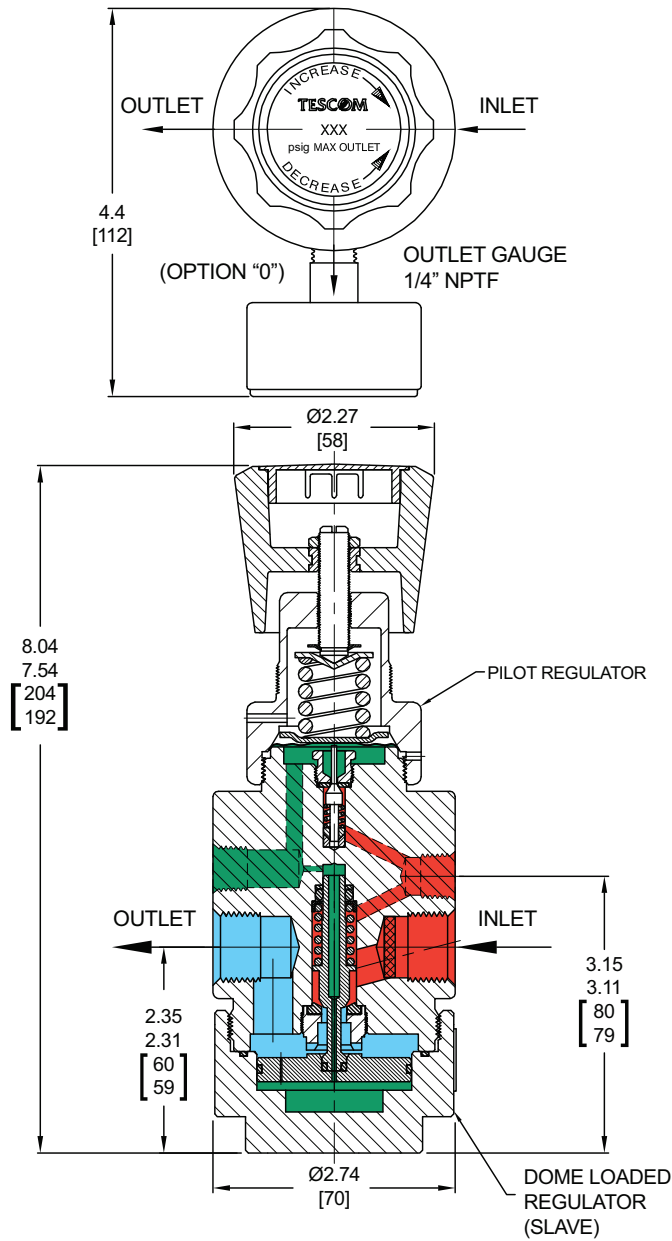
**Weight**

3.5 lbs / 1.6 kg

\*For extended temperatures from -40°F to 400°F / -40°C to 204°C, consult Tescom.

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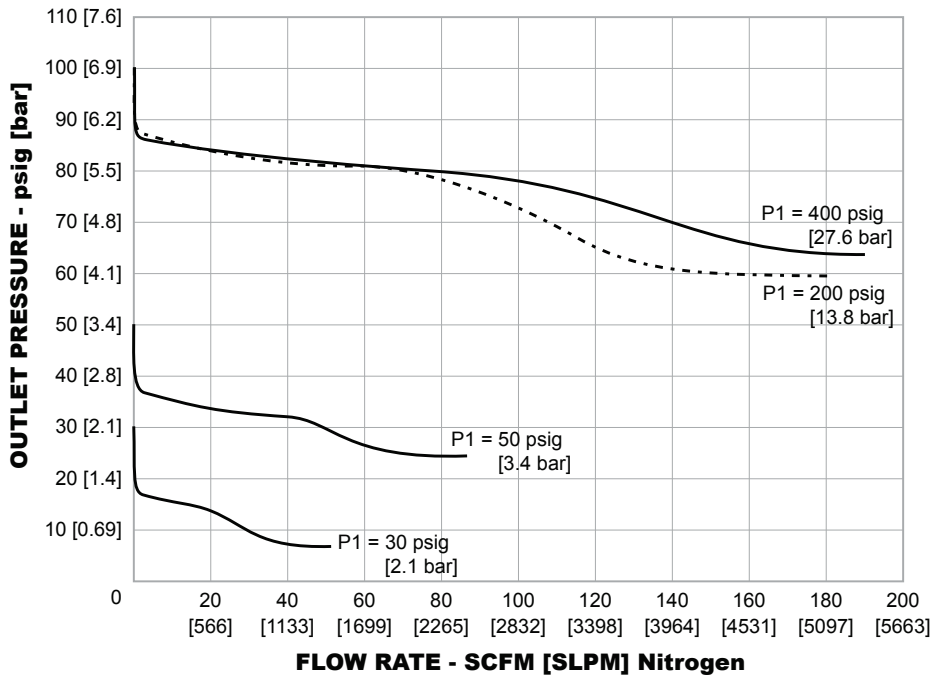
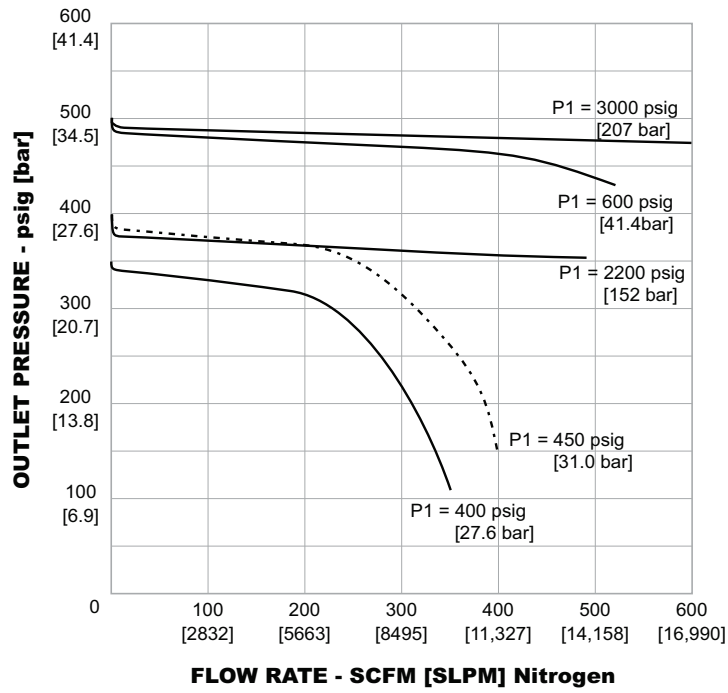
CP32 Series Regulator Drawing



All dimensions are reference & nominal  
Metric [millimeter] equivalents are in brackets

### CP32 Series Regulator Flow Charts

For more information on how to read flow curves, please refer to the Flow Curves and Calculations document (debul2007x012) in the TESCOM catalog or on [www.tescom.com](http://www.tescom.com).



## CP32 Series Regulator Part Number Selector

Repair Kits, Accessories & Modifications may be available for this product. Please contact TESCOM for more information.

Example for selecting a part number:

CP32	1	4	0	2	2	08	0
BASIC SERIES	BODY MATERIAL	OUTLET PRESSURE	SEAT AND SEAL MATERIAL	O-RING MATERIAL	INLET AND OUTLET PORT TYPE	INLET AND OUTLET PORT SIZE	GAUGE OPTIONS (bottom view)
CP32	1 – Brass 6 – 316 Stainless Steel	4 – 0-500 psig 0-34.5 bar	0 – CTFE	0 – Buna-N 2 – Viton®	2 – NPTF	08 – 1/2"	0 – Outlet Gauge at 90° 0-1000 psig 0-69.0 bar  1 – Outlet Gauge at 90° 0-500 psig 0-34.5 bar  