

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, Teflon®
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

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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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.

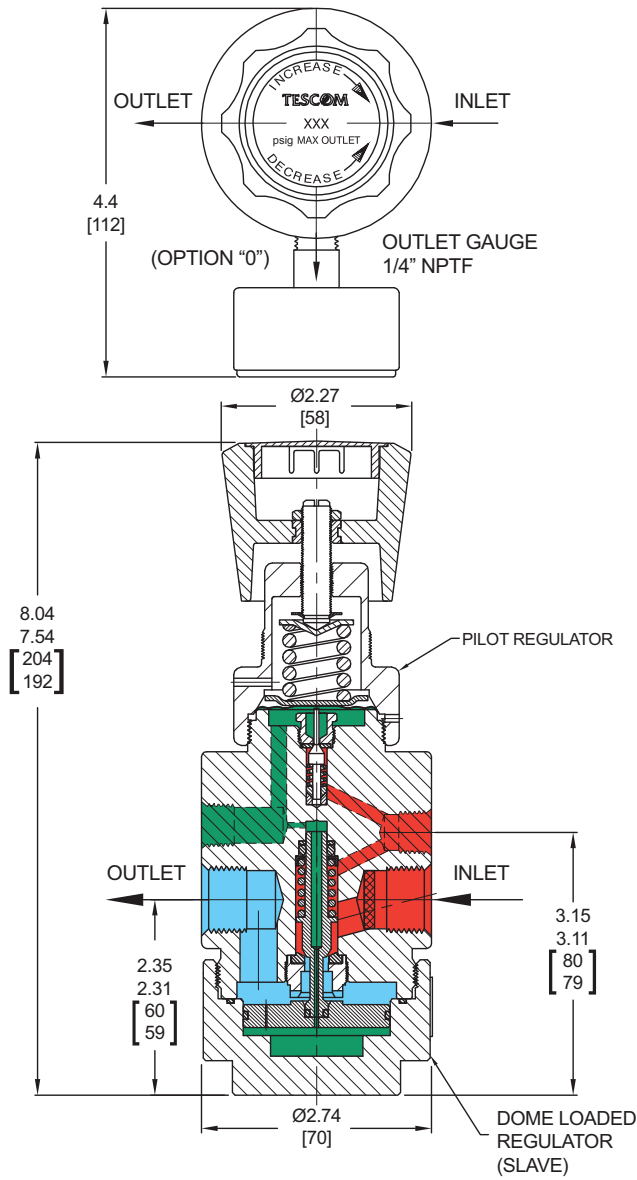
Applications

- 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

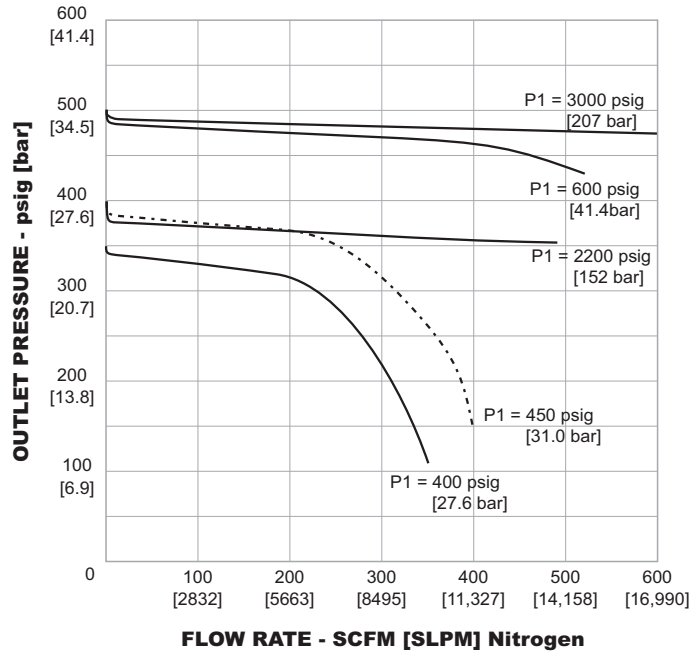
CP32 Series Regulator Drawing



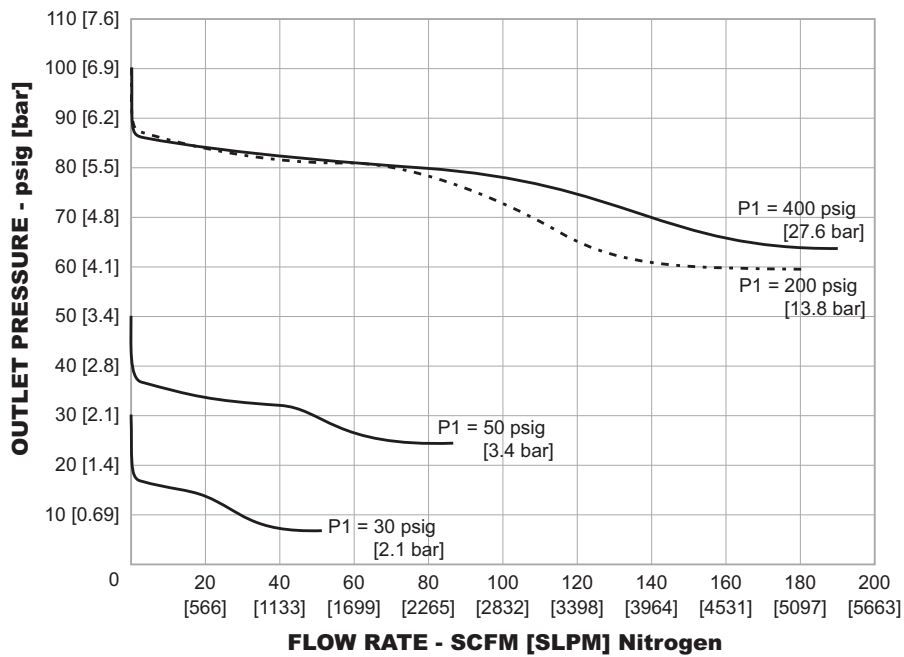
All dimensions are reference and nominal
Metric [millimeter] equivalents are in brackets

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.



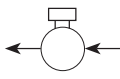
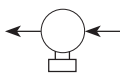
**CP3200 - Lower P1 pressures
(CP3214022080-001)**



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:

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	2 - 0-100 psig 0-6.9 bar 3 - 0-250 psig 0-17.2 bar 4 – 0-500 psig 0-34.5 bar	0 – CTFE, Teflon®	0 – Buna-N 2 – Viton®	2 – NPTF	08 – 1/2"	<p>0 – Outlet Gauge at 90° 0-1000 psig 0-69.0 bar</p> <p>1 – Outlet Gauge at 90° 0-500 psig 0-34.5 bar</p>  <p>2 – Outlet Gauge at 270° 0-160 psig 0-11.0 bar</p>  <p>3 – Outlet Gauge at 90° 0-300 psig 0-20.7 bar</p> 