

# 44-4200 Series

## Regulators - Pressure Reducing

D44421613X012

### Specifications

For other materials or modifications, please consult TESCOM.

#### OPERATING PARAMETERS

Pressure rating per criteria of ANSI/ASME B31.3

**Maximum Inlet Pressure**

6000 psig / 414 bar

**Outlet Pressure Range**

0-5000 psig / 0-345 bar

**Design Proof Pressure**

150% maximum rated

**Leakage**

Bubble-tight

**Ambient Operating and Fluid Temperature**

See Part Number Selector

**Flow Capacity**

**1/4" Main Valve:**  $C_v = 0.80$

**3/8" Main Valve:**  $C_v = 2.0$

#### MEDIA CONTACT MATERIALS

**Body**

303, 316 Stainless Steel, or Brass

**Main Valve Seat**

CTFE, Teflon®, or Vespel®

**O-Ring**

Buna-N, Viton-A®, or Ethylene Propylene

**Back-up Ring**

Teflon®

**Gasket**

CTFE or Vespel®

**Remaining Parts**

300 Series Stainless, 17-4 PH

#### OTHER

**Connections**

**Inlet and Outlet:** 1/4", 1/2", and 3/4" NPTF

**Dome Port:** 1/4" NPTF

**Cleaning**

CGA 4.1 and ASTM G93

**Weight**

8.0 lbs / 3.6 kg

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TESCOM 44-4200 Series is a high pressure, dome loaded, pressure reducing regulator with a  $C_v = 0.80$  or 2.0 available. This regulator is rated up to 6000 psig / 414 bar inlet and 5000 psig / 345 bar outlet.

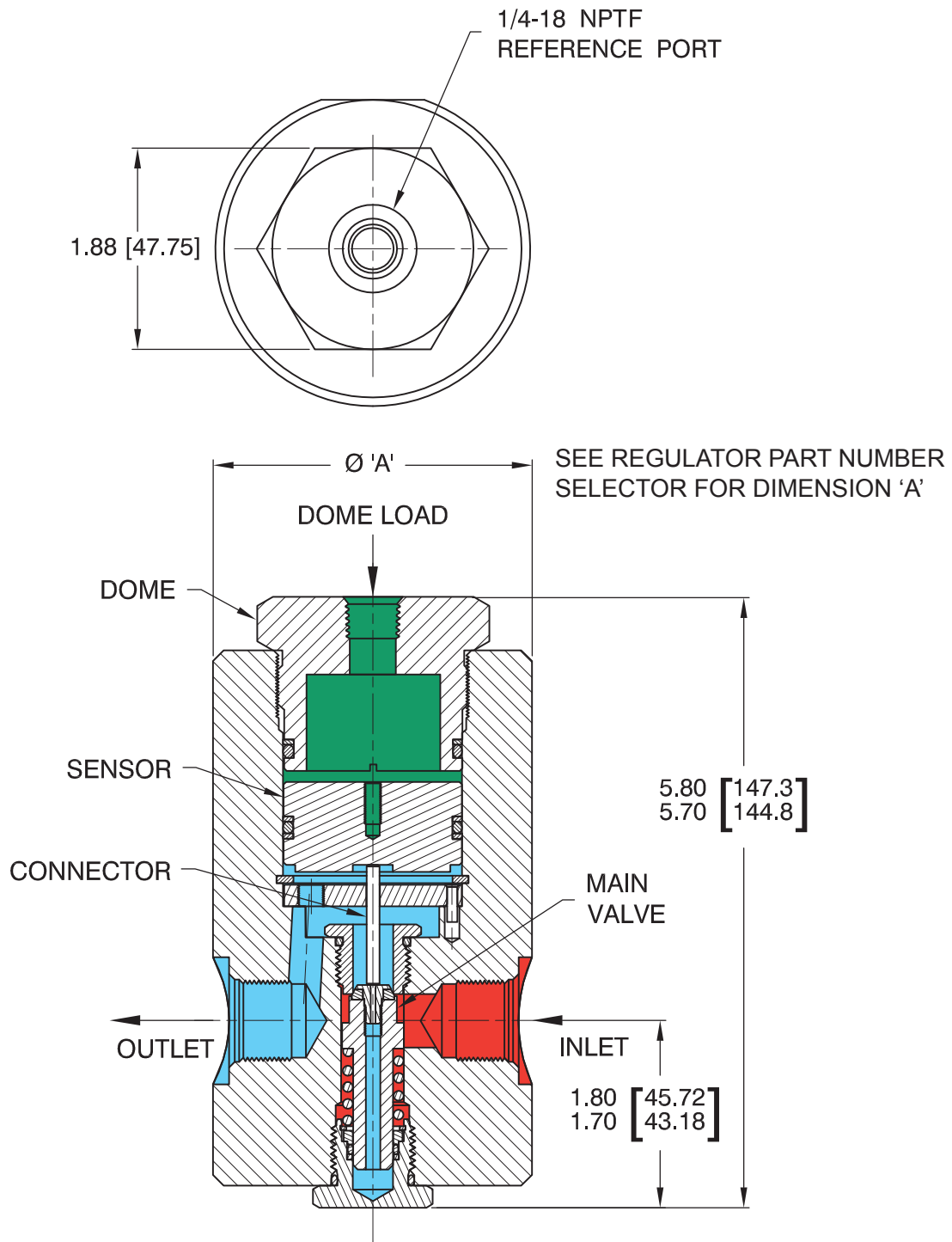
### Applications

- Fire suppression equipment
- CNG filling

### Features and Benefits

- Available in Brass or Stainless Steel
- Features piston-style sensor and balanced main valve
- Non-venting
- Body and soft goods material options
- High flow, high pressure

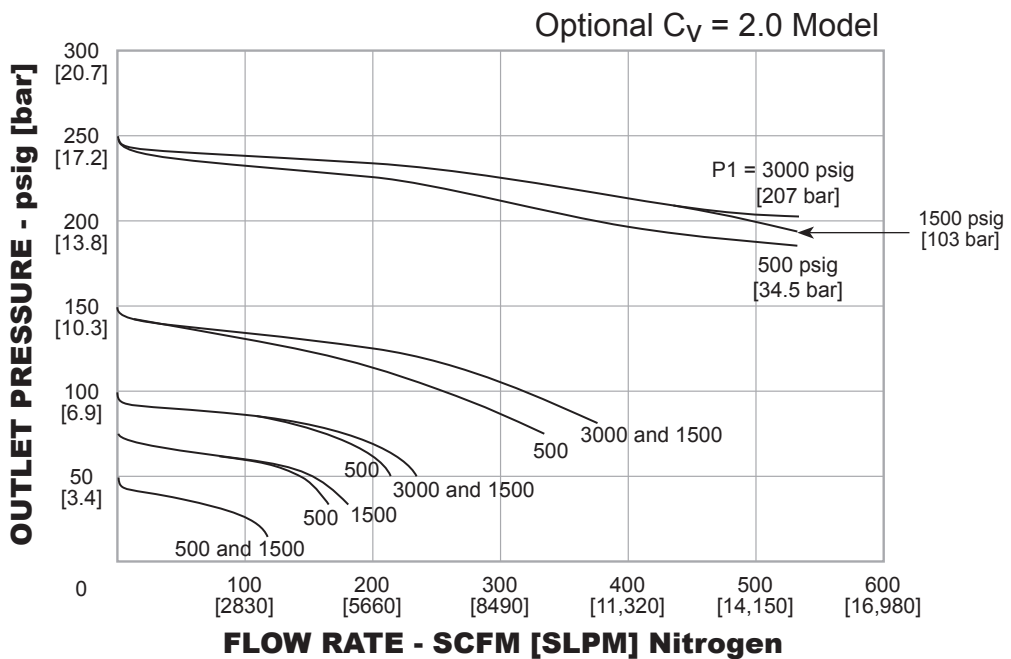
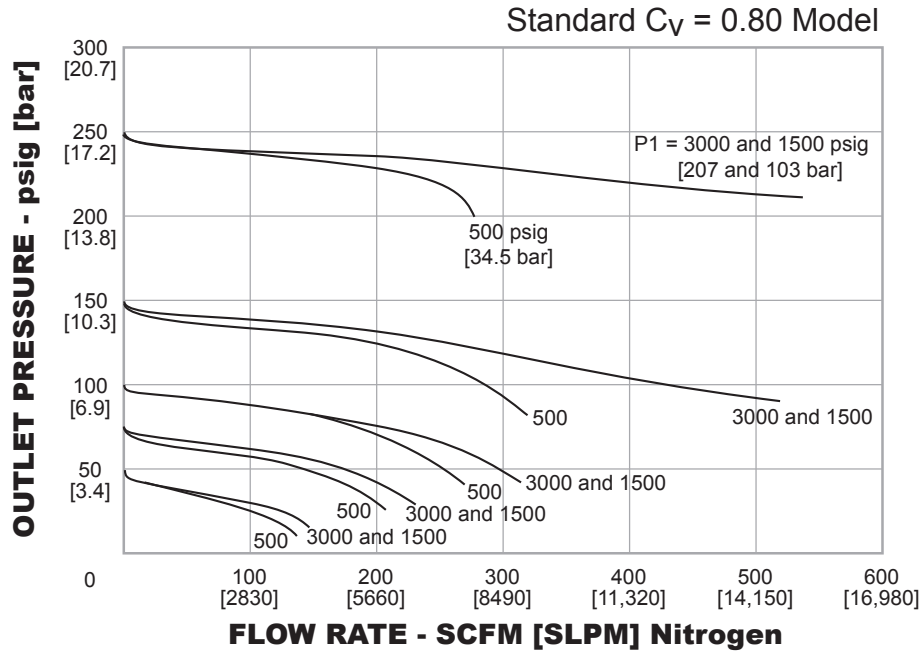
44-4200 Series Regulator Drawing



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

### 44-4200 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).



## 44-4200 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:

44-42	1	5	A				2	4	- 005	
BASIC SERIES	BODY MATERIAL	OUTLET PRESSURE RANGE	SOFT GOODS				INLET AND OUTLET PORT TYPE	INLET AND OUTLET PORT SIZE	DIAMETER 'A'	MOD. NUMBER
			O-RING	SEAT	GASKET	TEMPERATURE				
44-42	1 – Brass	5 – 0-5000 psig 0-345 bar	A – Buna-N	CTFE	CTFE	-40°F to 165°F -40°C to 74°C	1 – SAE 2 – NPTF 3 – MS33649	4 – 1/4" 8 – 1/2" 12 – 3/4" (NPTF and SAE only)	2.47" 2.47" 2.98" (3.48" SAE)	-005 – C <sub>v</sub> = 2.0
	2 – 303 Stainless Steel		B – Buna-N	Teflon®	CTFE	-40°F to 165°F -40°C to 74°C				
	6 – 316 Stainless Steel		E – Viton-A®	CTFE	CTFE	-15°F to 165°F -26°C to 74°C				
			F – Viton-A®	Teflon®	CTFE	-15°F to 165°F -26°C to 74°C				
			G – Viton-A®	Vespel®	Vespel®	-15°F to 250°F -26°C to 121°C				
			H – E.P.	Vespel®	Vespel®	-40°F to 250°F -40°C to 121°C				
			L – E.P.	CTFE	CTFE	-40°F to 165°F -40°C to 74°C				



**WARNING!** Do not attempt to select, install, use or maintain this product until you have read and fully understood the *TESCOM Safety, Installation and Operation Precautions*.

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