

## Specifications

For other materials or modifications, please consult TESCOM.

### OPERATING PARAMETERS

Pressure rating per criteria of ANSI/ASME B31.3

**Maximum Control Pressure**

1000 psig / 69.0 bar

**Maximum Reference Ranges**

1000 psig / 69.0 bar

**Bias Pressure Ranges**

0, 0-15, 0-30, 0-45 psig / 0, 0-1.0, 0-2.1, 0-3.1 bar

**Design Proof Pressure**

150% maximum rated

**Leakage**

Bubble-tight

**Operating Temperature**

0°F to 165°F / -18°C to 74°C

**Flow Capacity**

$C_v = 2.0$

**Crack-to-Reseat Differential**

**0-15 psig / 0-1.0 bar Range:** 3 psid / 0.21 bar

**0-30 psig / 0-2.1 bar Range:** 5 psid / 0.34 bar



TESCOM 26-2900 Series is a dome loaded, negative bias, backpressure tracking regulator with a balanced main valve. This regulator controls upstream pressures up to 1000 psig / 69.0 bar with spring bias setting.

### MEDIA CONTACT MATERIALS

**Body**

303 Stainless Steel or Brass

**Seat**

PCTFE

**Diaphragm**

(Unreinforced) FKM (Viton®-A)

**O-Rings**

FKM (Viton®-A)

**Back-up Rings**

PTFE

**Remaining Parts**

300 Series Stainless Steel and Brass

### OTHER

**Cleaning**

CGA 4.1 and ASTM G93

**Weight**

10 lbs / 4.5 kg

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## Applications

### Constant bias applications:

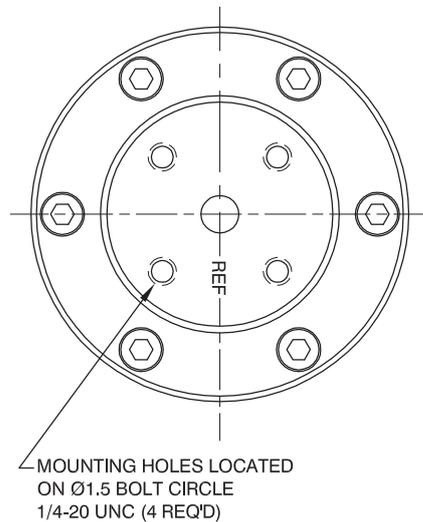
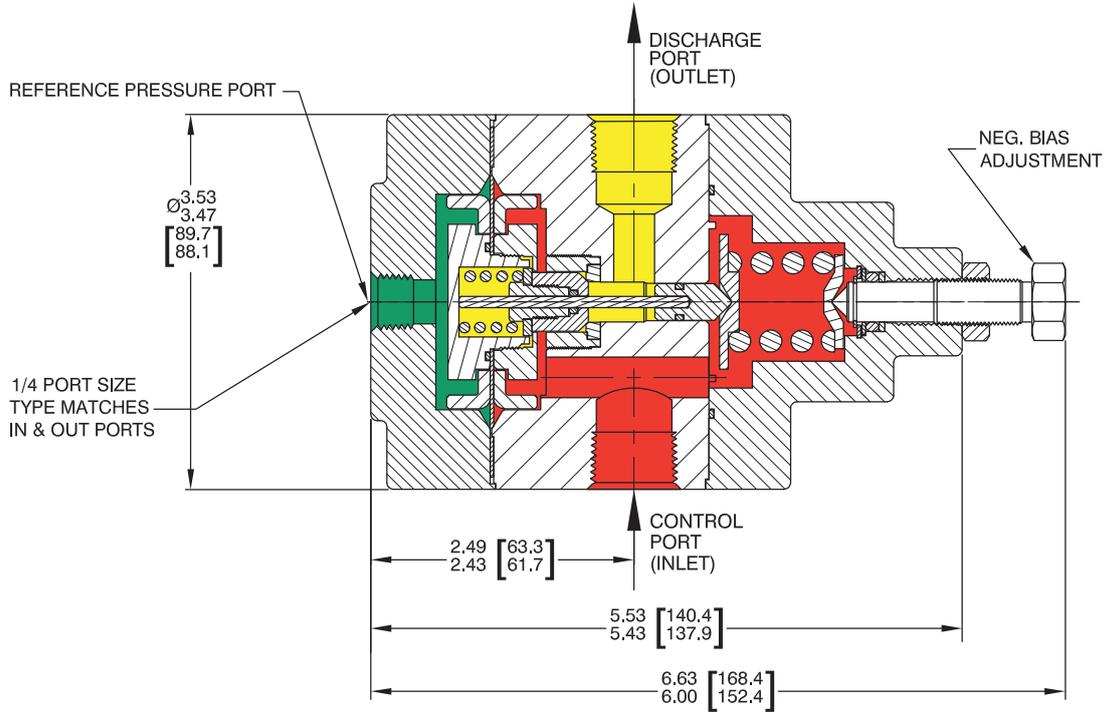
- Offshore diving applications
- Dumping exhaled breath from pressure chamber (BIBS)
- Diving bell

## Features and Benefits

- Balanced stem design eliminates the need to adjust bias over a wide range of operating pressures
- High flow capacity:  $C_v = 2.0$
- Diaphragm sensed
- Low accumulation
- Mounts in any position
- Choice of Stainless Steel or Brass construction

# 26-2900 SERIES

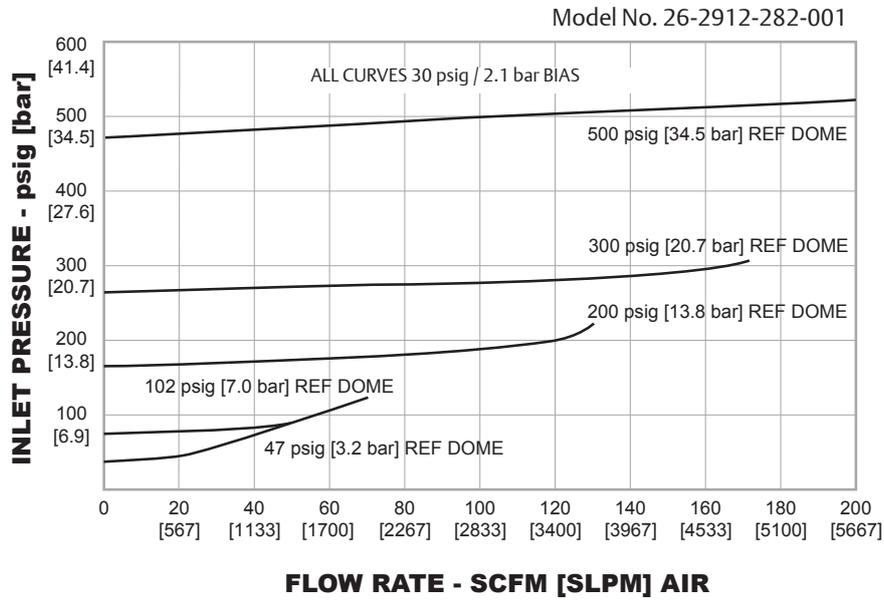
## 26-2900 Series Regulator Drawing



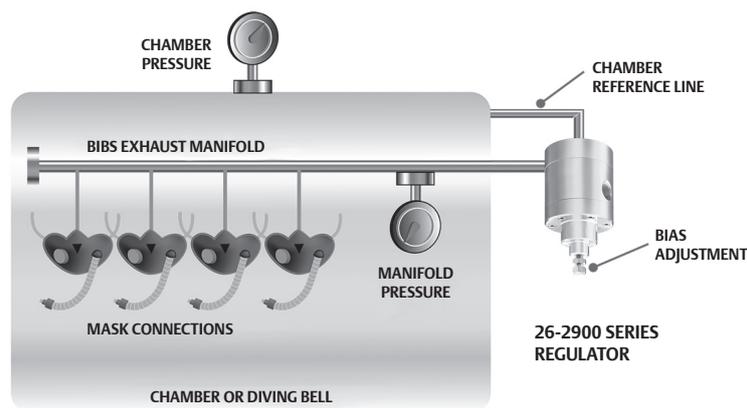
All dimensions are reference & nominal  
Metric [millimeter] equivalents are in brackets

### 26-2900 Series Regulator Flow Chart

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



### 26-2900 Series Regulator Typical Installations



- Dumping exhaled breath out of a pressure chamber (BIBS)
- Constant bias applications such as offshore diving apparatus

