

# 26-1100 Series

## Regulators - Pressure Reducing

### Specifications

For other materials or modifications, please consult TESCOM.

#### OPERATING PARAMETERS

Pressure rating per criteria of ANSI/ASME B31.3

##### Maximum Inlet Pressure

**Stainless Steel Body (0.25" Orifice):** 10,000 psig / 690 bar

**Stainless Steel Body (0.375" Orifice):** 6000 psig / 414 bar

**Aluminum Body:** 6000 psig / 414 bar

**Brass Body:** 6000 psig / 414 bar

##### Outlet Pressure Ranges

To maximum inlet

##### Design Proof Pressure

150% maximum rated

##### Leakage

Bubble-tight

##### Operating Temperature

-40°F to 165°F / -40°C to 74°C

##### Flow Capacity

**0.25" Orifice:**  $C_v = 0.46$

**0.375" Orifice:**  $C_v = 1.30$



TESCOM 26-1100 Series is a dome load, high flow pressure reducing regulator.

#### MEDIA CONTACT MATERIALS

##### Body

303 Stainless Steel, 316 Stainless Steel, Aluminum, or Brass

##### Diaphragm

Buna-N

##### O-Rings

Buna-N

##### Back-up Rings

PTFE

##### Seat

CTFE

##### Retaining Ring

15-7 Stainless steel

##### Valve Cap

17-4 Stainless steel

##### Remaining Parts

300 Series Stainless Steel

### Applications

- Pneumatic test consoles
- R&D laboratories

### Features and Benefits

- Constant outlet pressures with variable inlet pressures
- Balanced main valve to reduce seat load which insures longer seat life
- Wide flow range capability
- Low droop; low lock-up
- Rapid response time
- Mounts in any position
- Two orifice sizes are available: 0.25" and 0.375" diameter

#### OTHER

##### Cleaning

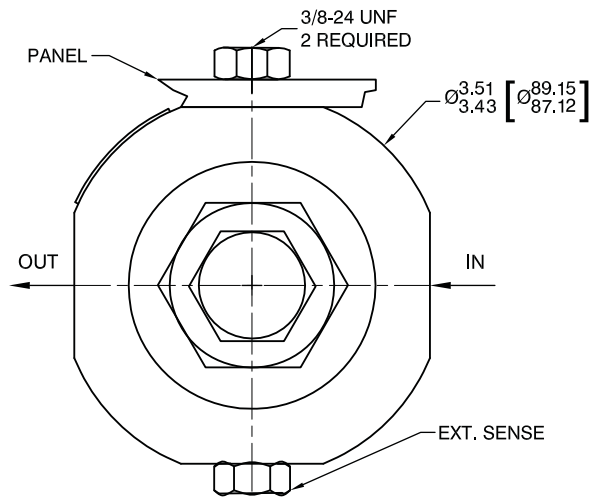
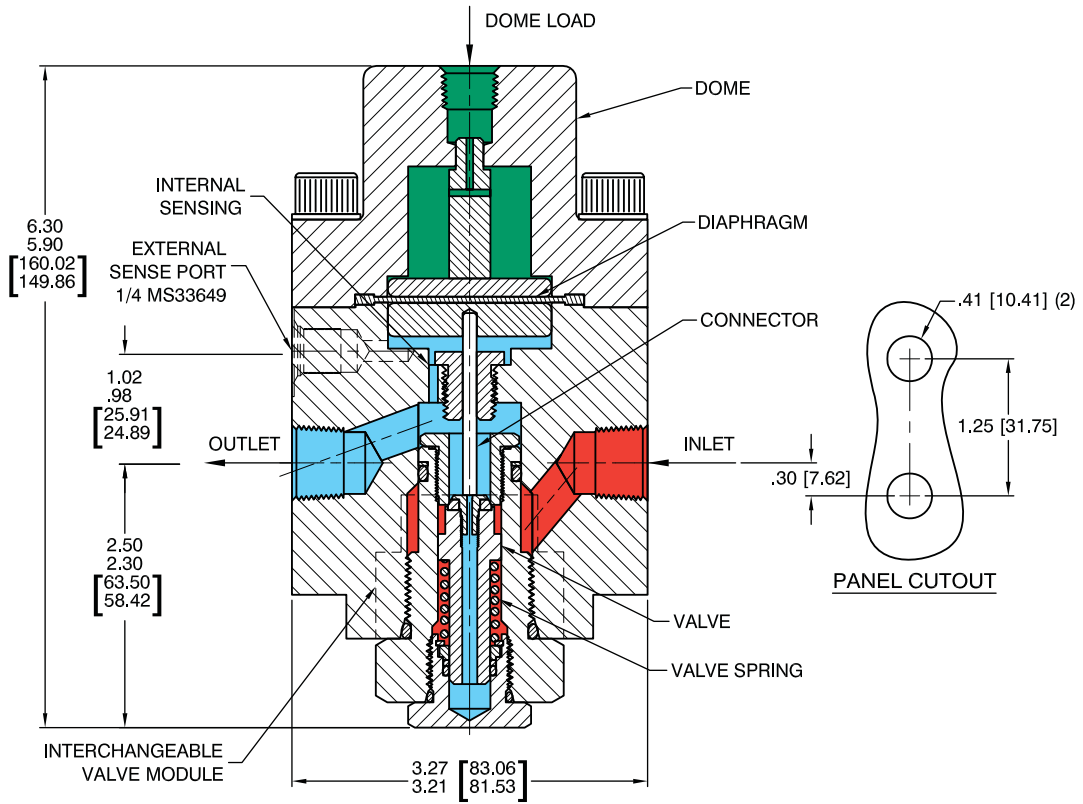
CGA 4.1 and ASTM G93

##### Weight (without gauges)

**Stainless Steel:** 10 lbs / 4.5 kg

**Aluminum:** 4 lbs / 1.8 kg

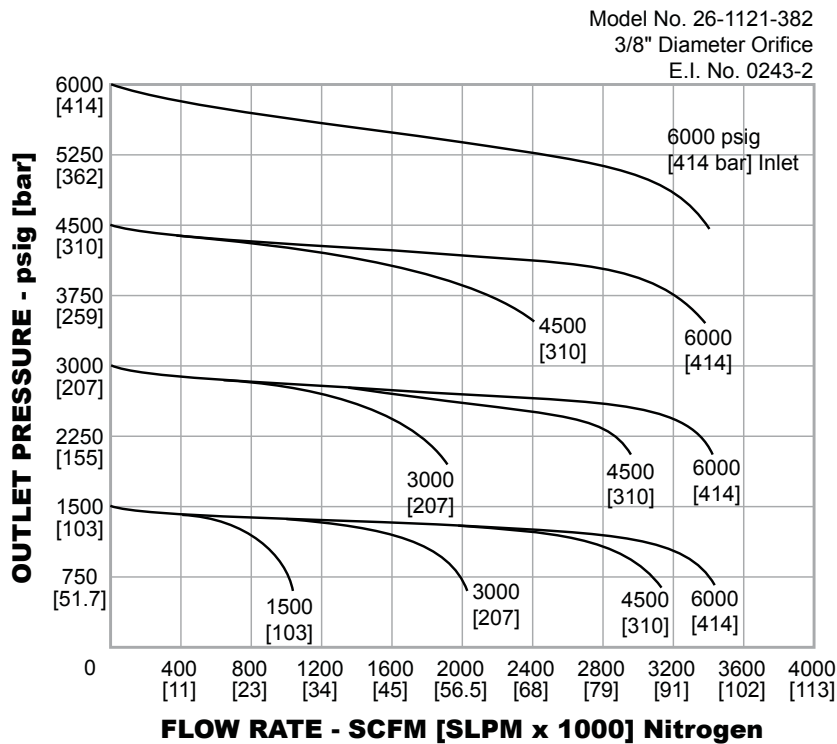
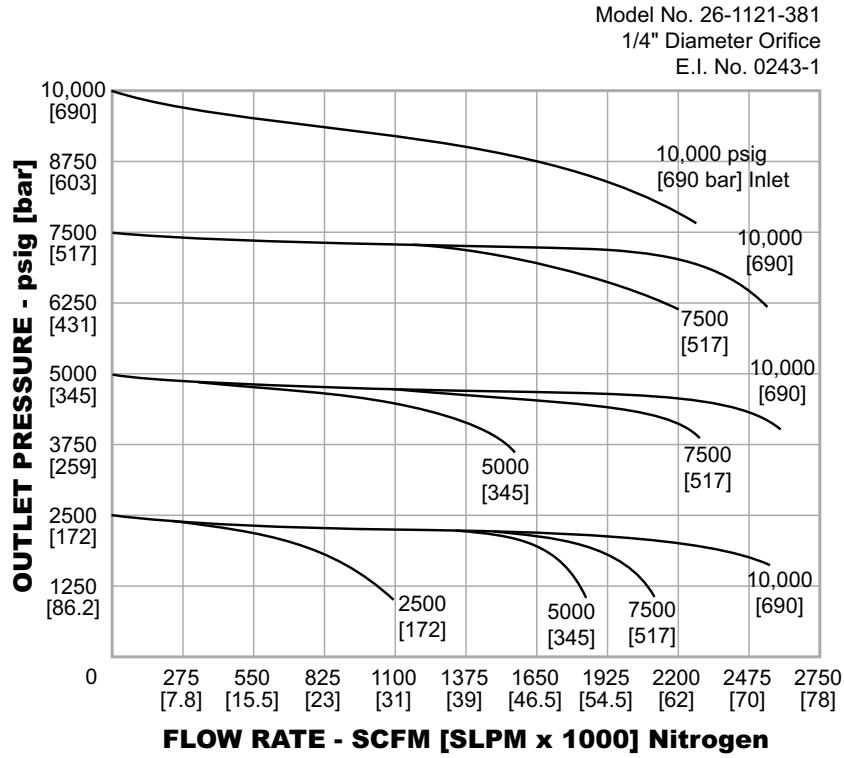
26-1100 Series Regulator Drawing



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

## 26-1100 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).



## 26-1100 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:

26-11	2	1	-	3	8	1
BASIC SERIES	BODY MATERIAL	LOADING METHOD	INLET AND OUTLET PORT TYPE	DOMES PORT	INLET AND OUTLET PORT SIZE	INNER VALVE SIZE
26-11	1 – Brass 2 – 303 Stainless Steel 3 – Aluminum 2024-T351 6 – 316 Stainless Steel	1 – Externally loaded	1 – SAE 2 – NPTF 3 – MS33649	1/4" MS33649 1/4" NPTF 1/4" MS33649	6 – 3/8" 8 – 1/2"	1 – 0.25" Orifice 2 – 0.375" Orifice