

High Flow/Sensitive
maximum 1000 PSIG control pressure
maximum 1000 PSIG reference pressure
dome loaded/negative bias/back pressure

26-2900 Series

Specifications

- ❑ **Operating Parameters**
 - pressure rating per criteria of ANSI/ASME B31.3
 - maximum rated control pressure 1000 PSIG
 - maximum rated reference pressure . . . 1000 PSIG
 - bias pressure ranges 0, 0-15, 0-30 PSIG
 - design proof pressure . . . 150% maximum rated pressure
 - 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 range 3 PSIG
 - 0-30 PSIG range 5 PSIG

- ❑ **Media Contact Materials**
 - body 303 Stainless Steel or Brass
 - seat CTFE
 - diaphragm (unreinforced) Viton-A®
 - o-rings Viton-A®
 - back-up rings Teflon®
 - remaining parts . . . 300 Series Stainless Steel & Brass

For other materials, please consult Tescom.

- ❑ **Cleaning** CGA 4.1 and ASTM G93

- ❑ **Weight**
 - stainless 10.0 lbs. (4.50 kg)
 - brass 10.5 lbs. (4.75 kg)

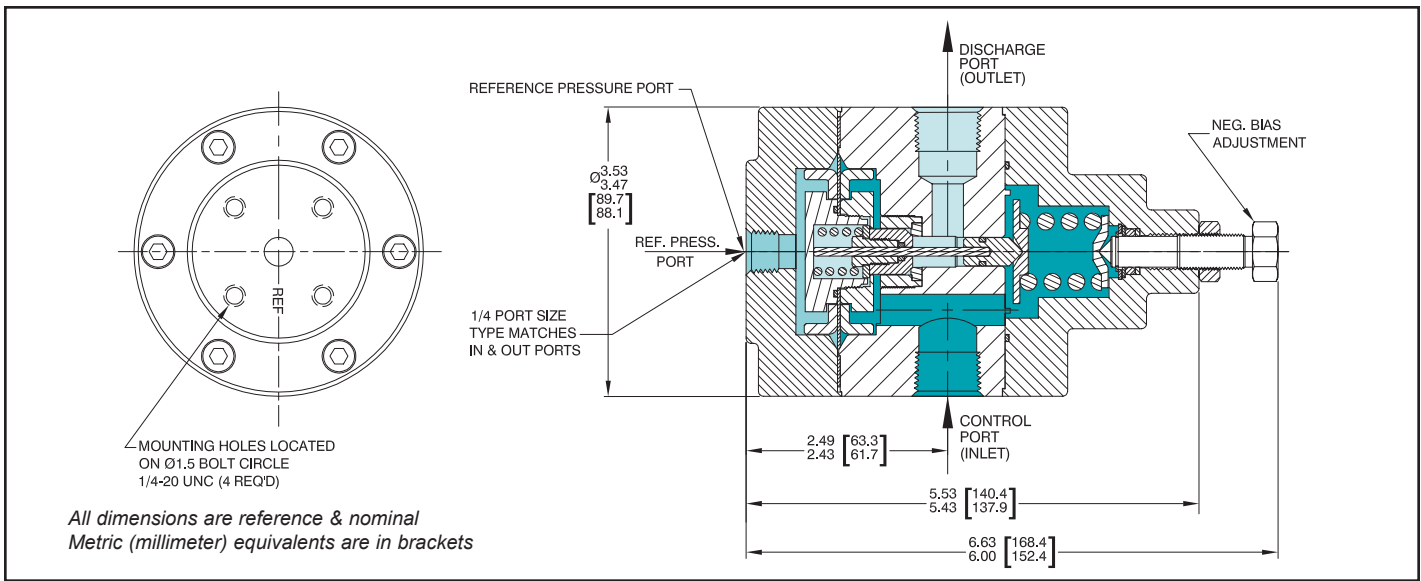
Pressure Conversion 14.5 PSIG = 1 bar 145 PSIG = 1 MPa

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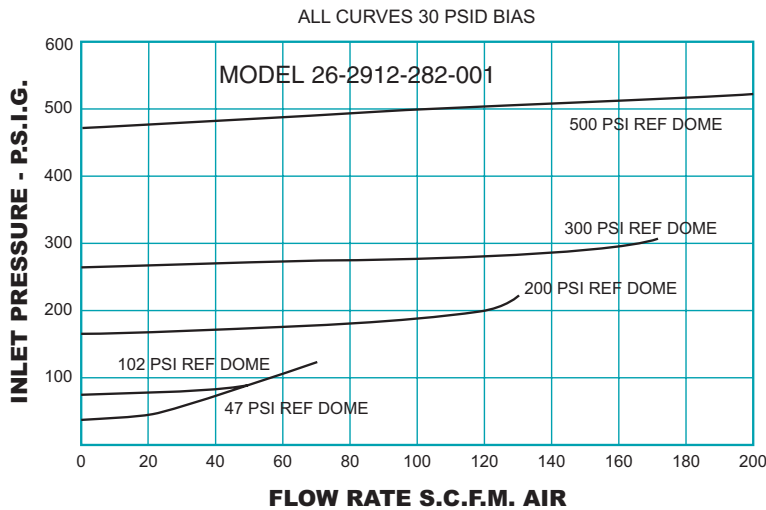


Advantages

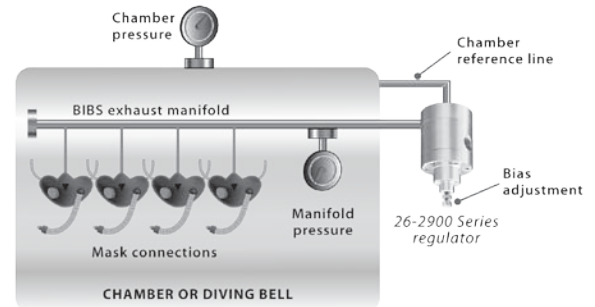
- Balanced stem design eliminates the need to adjust bias over a wide range of operating pressures
- High flow capacity: $C_V = 2.0$
- Diaphragm sensed
- Low accumulation
- Mounts in any position
- Choice of stainless steel or brass construction



Flow Chart



Typical Installations



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

Part Number Selector

example part number:

26-29 1 2 - 2 8 2 A

BASIC SERIES	BODY MATERIAL	BIAS PRESSURE RANGE	INLET & OUTLET PORT TYPE	INLET & OUTLET PORT SIZE	BIAS MODE	FLOW CAPACITY
26-29	1 - Brass 2 - 303 Series Stainless Steel	0 - Zero bias 1 - 0-15 PSIG 2 - 0-30 PSIG Inlet pressures 0-500 PSIG 0-25 PSIG Inlet pressures 500-1000 PSIG	1 - SAE 2 - NPT 3 - MS33649 9 - BSP	8 - 1/2"	2 - Negative	A - C _v =2.0

Repair Kits & Accessories may be available for this product. Please contact Tescom for more information.

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

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For information contact:

TESCOM TESCO Industrial Controls
 Tel: 800-447-1250 • 763-241-3238
 Fax: 763-241-3224 • email: ic@tescom.com
 12616 Industrial Boulevard • Elk River, MN 55330 USA

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