High Flow C_V = 3.3, 6.0 or 12.0

maximum 6000 PSIG in/maximum 6000 PSIG out
externally gas loaded/non-venting/pressure reducing

26-1200 Series

Specifications

❑ Operating Parameters

pressure rating per criteria of ANSI/ASME B31.3
maximum rated inlet pressure . . 4000 & 6000 PSIG (275 & 413 bar)
outlet pressure. . . . . to maximum inlet
design proof pressure . . . . . 150% maximum rated operating
leakage . . . . . bubble-tight
flow capacity . . . . . C_V = 3.3, 6.0 or 12.0*

* *A secondary pressure drop due to the outlet cross-hole can significantly affect the rated flow capacity. Contact the TESCOM for flow curve data when outlet pressure is less than 1000 PSIG.*

❑ Media Contact Materials

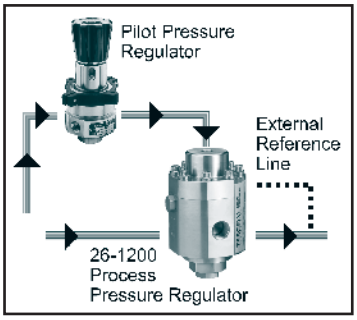
body. . . . . 303, 316 Stainless Steel
seat . . . . . CTFE or Vespel®
diaphragm . . . . . Buna-N or Viton®
o-rings . . . . . Buna-N or Viton®
back-up rings. . . . . Teflon®
remaining parts . . . . . 300 Series Stainless Steel

See the following Specifications for more details.

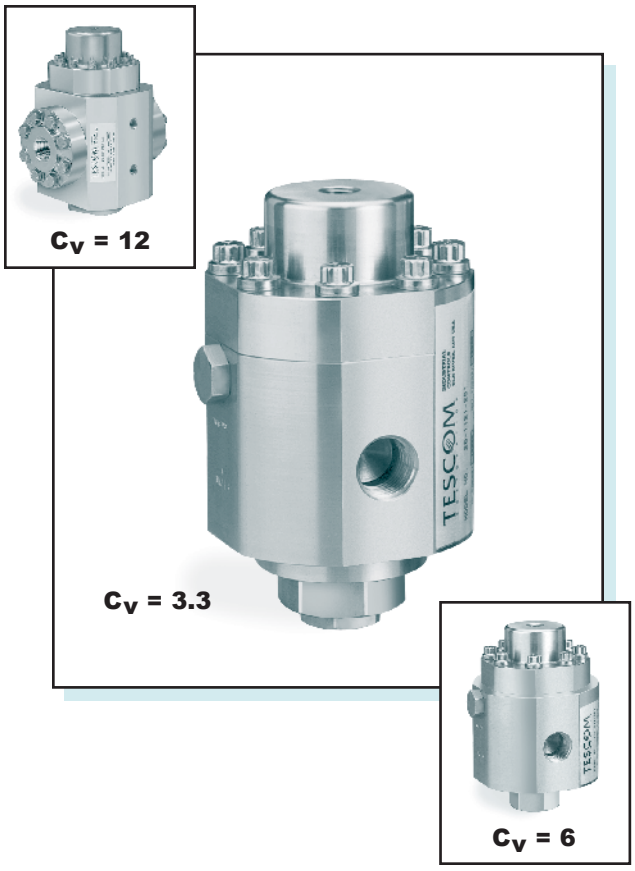
❑ Cleaning . . . . . CGA 4.1 and ASTM G93

Pressure Conversion 14.2 PSIG = 1 kg/cm² 145 PSIG = 1 MPa

Teflon®, Vespel® and Viton® are registered trademarks of DuPont.



Typical Application



Advantages

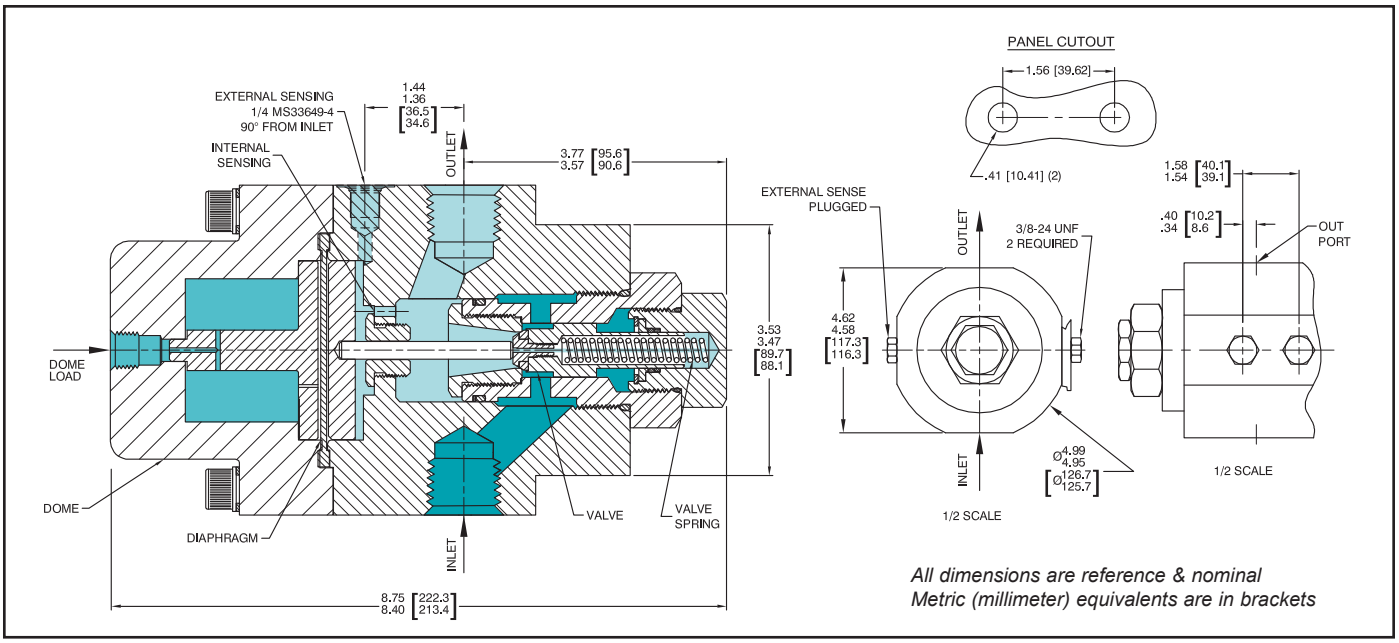
- Diaphragm sensed, highly sensitive
- Modular construction, easy service
- External sensing available for improved accuracy
- Balanced main valve increases seat life
- Mounts in any position
- Low droop and lock-up

D26120540X012

TESCOM

EMERSON™
Process Management

26-1200 Series $C_V = 3.3$ 1/2" Orifice



Specifications: $C_V = 3.3$

❑ Operating Parameters

maximum rated inlet pressure:
- stainless steel body . . . 6000 PSIG (413 bar)
- aluminum body . . . . . 4000 PSIG (275 bar)

operating temperature* . . . . -40° F to +165° F (-40° C to +75° C)

flow capacity . . . . . $C_V = 3.3$

**For extended temperature applications, consult TESCOM.*

❑ Media Contact Materials

body	303, 316 Stainless Steel or
seat	CTFE or Vespel®
diaphragm	Buna-N
o-rings	Buna-N
back-up rings	Teflon®
gasket	CTFE
retaining ring	15-7 Stainless Steel
valve cap	17-4 Stainless Steel
remaining parts	300 Series Stainless Steel

For other materials and modifications, please consult TESCOM.

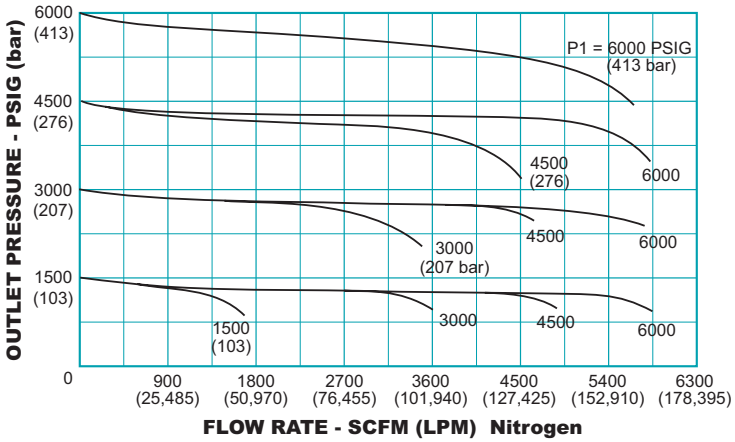
❑ Weight

Stainless Steel	25 lbs. (11.32 kg)
Aluminum	10 lbs. (4.5 kg)

Pressure Conversion 14.2 PSIG = 1 kg/cm² 145 PSIG = 1 MPa

Flow Chart

MODEL NO. 26-1221-3161
1/2" DIAMETER ORIFICE
E.I. NO. 0244



Part Number Selector

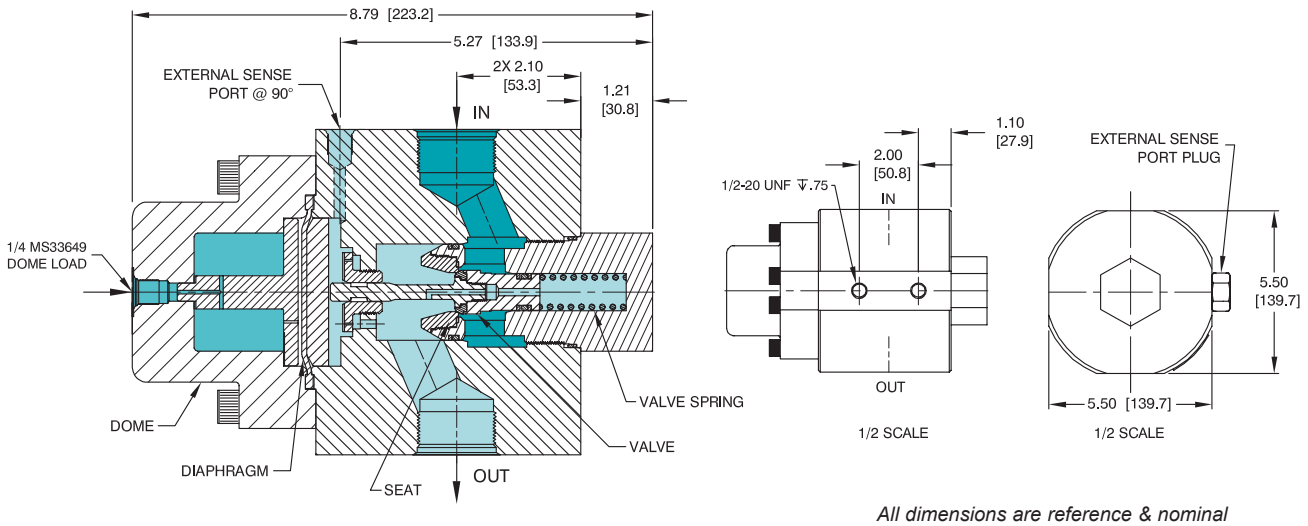
example part number:

26-12 2 1 - 3 16 1

BASIC SERIES	BODY MATERIAL	LOADING METHOD	INLET & OUTLET PORT TYPE	PORT SIZE	ORIFICE SIZE
26-12	**2** – 303 Stainless Steel **6** – 316 Stainless Steel	**1** – External	**1** – SAE **2** – NPT **3** – MS33649	**12** – 3/4" (19 mm) **16** – 1" (25.4 mm)	**1** – 1/2" (12.7 mm)

***Repair Kits**, **Accessories** & **Modifications** may be available for this product. Please contact TESCOM for more information.*

26-1200 Series $C_V = 6.0$ 5/8" Orifice



All dimensions are reference & nominal
Metric (millimeter) equivalents are in brackets

Specifications: $C_V = 6.0$

❑ Operating Parameters

maximum rated inlet pressure: . . . . . 6000 PSIG (413 bar)

operating temperature:*
Buna-N . -40° F to +165° F (-40° C to +75° C)
Viton® . . -10° F to +165° F (-23° C to +75° C)

flow capacity . . . . . $C_V = 6.0$

**For extended temperature applications, consult TESCOM.*

❑ Media Contact Materials

body. . . . . 316 Series Stainless Steel
seat . . . . . CTFE or Vespel®
diaphragm . . . . . Buna-N or Viton®
o-rings . . . . . Buna-N or Viton®
back-up rings . . . . . Teflon®
connecting rod . . . . . 17-4 Stainless Steel
valve . . . . . Nitronic 60
guide . . . . . PPS
remaining parts . . . . 300 Series Stainless Steel

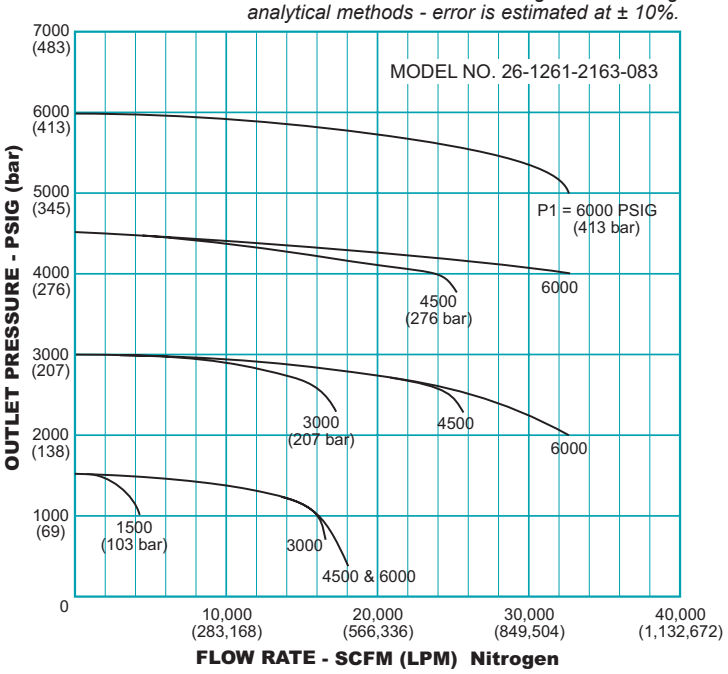
For other materials and modifications, please consult TESCOM.

❑ Weight . . . . . 40 lbs. (18 kg)

Pressure Conversion 14.2 PSIG = 1 kg/cm² 145 PSIG = 1 MPa

Flow Chart

The curves below were generated using analytical methods - error is estimated at ± 10%.



Part Number Selector

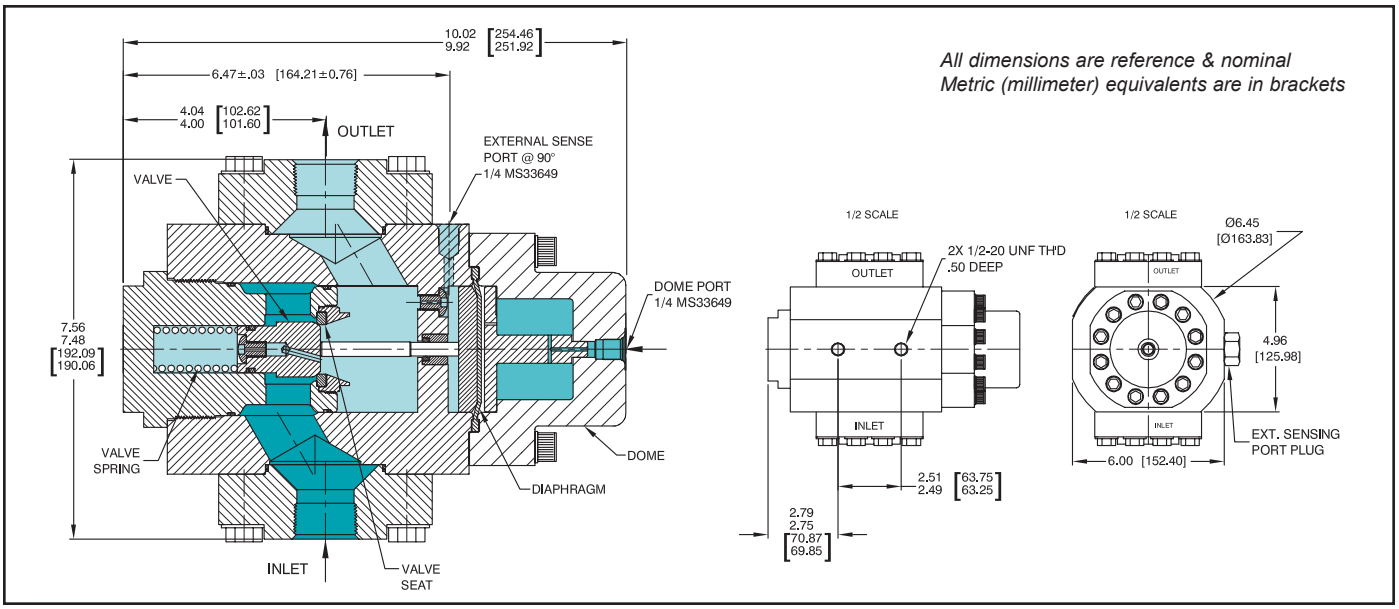
example part number:

26-12 6 T - 3 16 2 - 076

BASIC SERIES	BODY MATERIAL	DIAPHRAGM/ O-RING	SEAT	TEMPERATURE	INLET & OUTLET PORT TYPE	INLET & OUTLET PORT SIZE	INNER VALVE SIZE	MOD. NUMBER
26-12	**6** – 316 Stainless Steel	**D** – Buna-A	CTFE	-40°F to +165°F (-40°C to +75°C)	**1** – SAE	**12** – 3/4"* (19 mm)	**2** – 5/8" (15.9 mm)	**076**
		T – Viton®	CTFE	-10°F to +165°F (-23°C to +75°C)	**2** – NPT	**16** – 1" (12.7 mm)		
		V – Viton®	Vespel® SP21	-10°F to +300°F (-23°C to +148°C)	**3** – MS33649	**20** – 1-1/4" (28.5 mm) SAE or MS only		
						**3/4" ports reduce overall C_V to 5.0*		

***Repair Kits**, **Accessories** & **Modifications** may be available for this product. Please contact TESCOM for more information.*

26-1200 Series C_V = 12.0 1" Orifice



Specifications: C_V = 12.0

❑ Operating Parameters

maximum rated inlet pressure: . . . . 6000 PSIG (413 bar)

operating temperature* . . . . . -20° F to +165° F (-28° C to +75° C)

flow capacity . . . . . C_V = 12.0

**For extended temperature applications, consult TESCOM.*

❑ Media Contact Materials

body . . . . . 316 Stainless Steel

seat . . . . . Vespel®

diaphragm . . . . . Viton®

o-rings . . . . . Viton®

back-up rings . . . . . Teflon®

valve . . . . . Nitronic 60

remaining parts . . . . 300 Series Stainless Steel

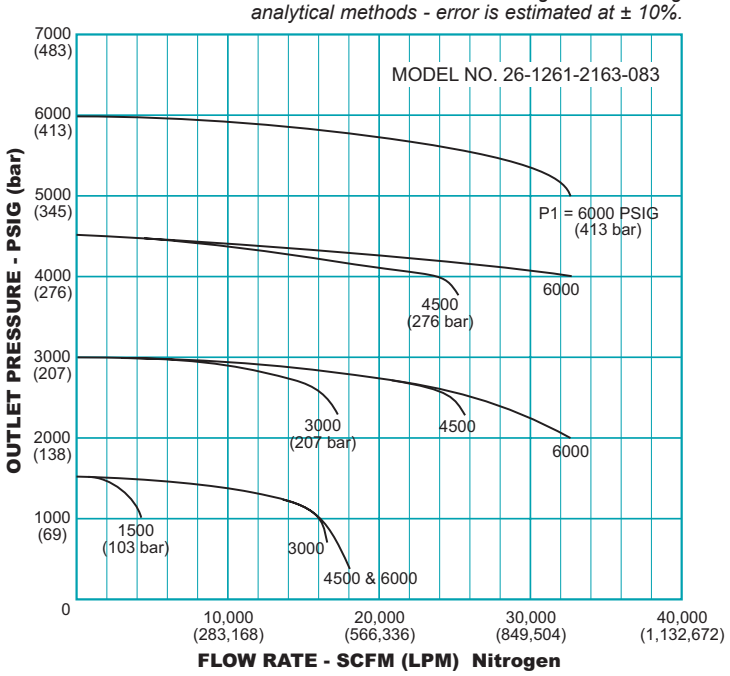
For other materials and modifications, please consult TESCOM.

❑ Weight . . . . . 60 lbs. (27 kg)

Pressure Conversion 14.2 PSIG = 1 kg/cm² 145 PSIG = 1 MPa

Flow Chart

The curves below were generated using analytical methods - error is estimated at ± 10%.



Part Number Selector

example part number:

26-12 6 1 - 2 16 3 - 083

BASIC SERIES	BODY MATERIAL	LOADING METHOD	INLET & OUTLET PORT TYPE	INLET & OUTLET PORT SIZE	SENSE TYPE	MOD. NUMBER
26-12	**6** – 316 Stainless Steel	**1** – External	**1** – SAE **2** – NPT **3** – MS33649	**16** – 1" (25.4 mm) **20** – 1-1/4" (28.5 mm)	**3** – Internal **4** – External	**083**

***Repair Kits, Accessories & Modifications** 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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