

Metering Valve

maximum pressure 10,000 PSIG
low flow/precise control/wide pressure range

CC Series

Specifications

- ❑ Operating Parameters
 - pressure rating per criteria of ANSI/ASME B31.3
 - maximum pressure 10,000 PSIG
 - design proof pressure 150% of maximum rated pressure
 - leakage . . . <math> < 4 \times 10^{-8}</math> Torr liter sec⁻¹ @ 50 PSID Helium
 - operating temperature -30° F to +300° F (-34° C to +149° C)
 - flow capacity (maximum) C_v = .00125
 - maximum operating torque . . . 10 in.-lbs. (1.1 Nm)

 - ❑ Media Contact Materials
 - body 316 Stainless Steel
 - seat Peek
 - o-ring Ethylene Propylene, Viton®, 90 Durometer Buna, Kalrez®
 - back-up ring PTFE
 - remaining parts 300 Series Stainless Steel
- For other materials and modifications, please consult TESCOM.*
- ❑ Cleaning CGA 4.1 and ASTM G93
 - ❑ Connections NPT, SAE (1/8" only)
 - ❑ Weight9 lbs. (.4 kg)

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

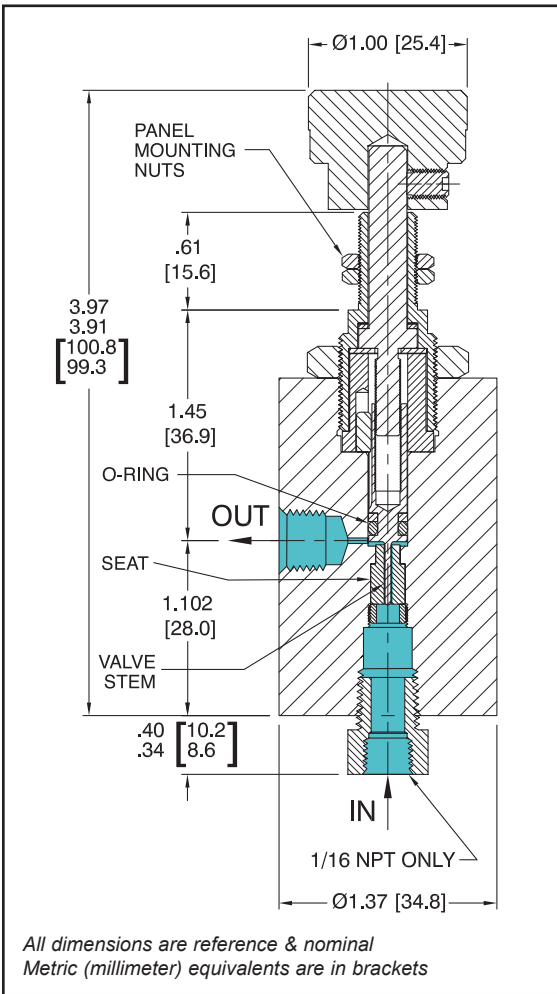
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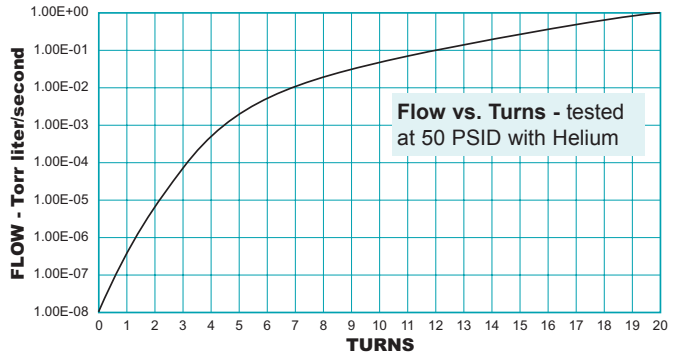
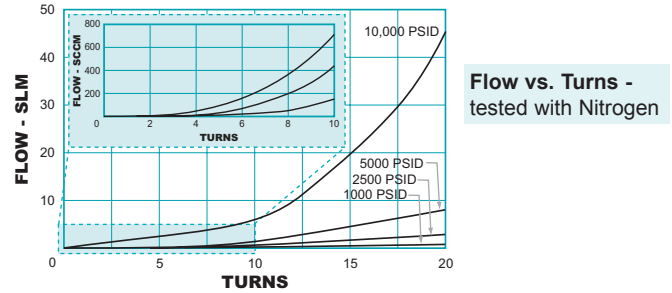
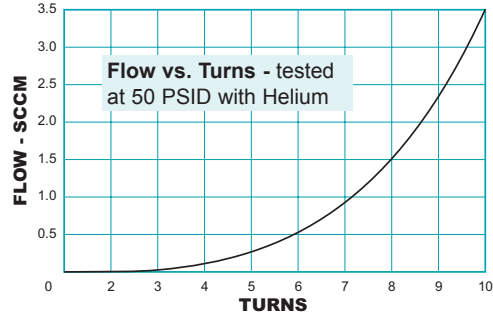
Advantages

- Designed for both liquid and gas
- Can be used at high and low pressures
- Controls flow of media with extreme accuracy
- Standard flow capacity (maximum) C_v= .00005 and C_v= .00125
- 20+ turns from shutoff to full open
- Accurate flow control into both vacuum and/or positive pressure applications
- Non-rotating stem assists in reducing seat wear

CC Series Metering Valve



Flow Charts



Part Number Selector

example part number:

CC	A	1	6	A	2	1	A	P	V
BASIC SERIES	FLOW CAPACITY	MAXIMUM PRESSURE	BODY MATERIAL	PORTING TYPE	PORTING SIZE	BODY TYPE	ADJUSTMENT	SEAT MATERIAL	O-RING SEAL TYPE OPERATING TEMP.
CC	A - $C_v = .00005$ (maximum) B - $C_v = .00125$ (maximum)	1 - 28" Hg Vac. - 10,000 PSIG*	6 - 316 Stainless Steel	A - NPT C - SAE (1/8" only) D - HPIC*	1 - 1/16" 2 - 1/8" 4 - 1/4"	1 - Body Diameter 1.37"	A - Standard D - Allen Wrench	P - Peek	E - Ethylene Propylene -30°F to +250°F V - Viton® 0°F to +300°F B - 90 Duro Buna -30°F to +200°F K - Kalrez® 0°F to +300°F D - Fluorocarbon 0°F to +300°F
*Operating pressure is 3500 PSIG for HPIC ports.									

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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