

General Description: The Parker NS Series of metering valves are designed to provide accurate and stable control of flow rates in analytical, instrumentation, and research applications. A variety of connection sizes, body patterns and materials of construction provide considerable application versatility. For higher flow rates, refer to the NM and NL Series of metering valves.

Features:

- Precision tapered valve stem accurately controls flow
- Brass or 316 SS forged body construction
- Panel or in-line mounting
- Positive handle stop prevents overtightening
- Angle or in-line patterns
- Valve stem threads not in contact with process fluid
- 100% function tested
- Optional stem seals and handles

Specifications:

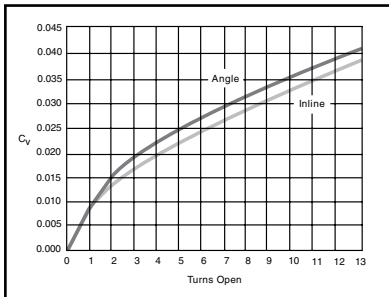
- Pressure Rating at all temperatures: 2000 psig CWP
- Flow Data:
 - Orifice: 0.03"
 - In-line pattern: $C_v = 0.039$; $X_T = 0.64$
 - Angle pattern: $C_v = 0.042$; $X_T = 0.53$
- Stem Taper: 1°
- Turns to open: 13 +/- 1

Valve / Seal

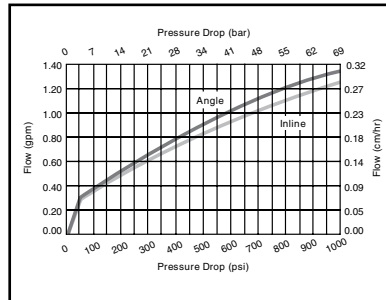
Temperature Ratings:

- Buna-N Rubber: -50°F to 300°F
- Ethylene Propylene Rubber: -50°F to 300°F
- Neoprene Rubber: -50°F to 300°F
- Fluorocarbon Rubber: -25°F to 400°F
- Highly Fluorinated Fluorocarbon Rubber: -25°F to 200°F

NS Series – C_v vs. Turns Open

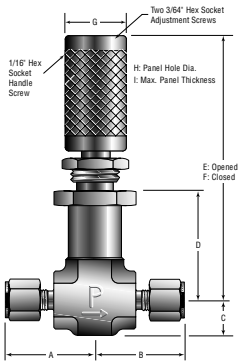


NS Series – Water Flow Data



METERING VALVES

NS SERIES



Model Shown: **2A-NSL-BN-SS-F**

Note:
For K & KS Handles:
E = 2.50", F = 2.27"
G = 0.37", H = 0.46"
I = 0.16"

For V Handles:
E = 2.97", F = 2.74"
G = 0.84", H = 0.46"
I = 0.16"

For F Handles:
E = 2.97", F = 2.74"
G = 0.84", H = 0.46"
I = 0.16"

Part No.	End Connections		Dimensions			
	(Inlet) Port 1	(Outlet) Port 2	A* (In.)	B* (In.)	C (In.)	D (In.)
1A-NSL	1/16" Compression A-LOK®		0.78	0.78	0.31	0.94
1A-NSA	1/16" Compression A-LOK		0.82	0.82	0.31	0.94
1Z-NSL	1/16" Compression CPI™		0.78	0.78	0.31	0.94
1Z-NSA	1/16" Compression CPI™		0.82	0.82	0.31	0.94
2A-NSL	1/8" Compression A-LOK®		0.95	0.95	0.31	0.94
2A-NSA	1/8" Compression A-LOK®		1.01	1.01	0.31	0.94
2M-NSL	1/8" Male NPT		0.88	0.88	0.31	0.94
2M-NSA	1/8" Male NPT		0.88	0.88	0.31	0.94
2Z-NSL	1/8" Compression CPI™		0.95	0.95	0.31	0.94
2Z-NSA	1/8" Compression CPI™		1.01	1.01	0.31	0.94
4A-NSL	1/4" Compression A-LOK®		1.02	1.02	0.31	0.94
4A-NSA	1/4" Compression A-LOK®		1.02	1.02	0.31	0.94
4V-NSL	1/4" VacuSeal		1.03	1.03	0.53	0.94
4Z-NSL	1/4" Compression CPI™		1.02	1.02	0.31	0.94
4Z-NSA	1/4" Compression CPI™		1.02	1.02	0.31	0.94

* For CPI™ and A-LOK®, dimensions are measured with nuts in the finger tight position.