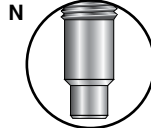


NEEDLE VALVES

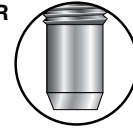
STEM TYPES



PCTFE tipped



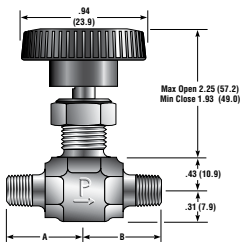
Needle (2 1/2")



Blunt (30°)

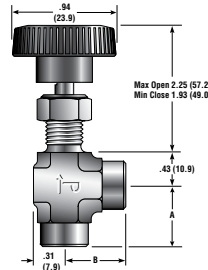
NEEDLE VALVES

V2 SERIES



Model Shown: 2M-V2LN-B

Panel Hole Diameter:  
0.45  
Max Panel Thickness:  
0.25



Model Shown: 2F-V2AR-V-SS

Part No.		End Connections		Stem Type	Flow Data					Dimensions	
Inline	Angle	Inlet (Port 1)	Outlet (Port 2)		Orifice (in.)	Inline C <sub>v</sub>	X <sub>T</sub> <sup>*</sup>	Angle C <sub>v</sub>	X <sub>T</sub> <sup>*</sup>	A† (in.)	B† (in.)
2A-V2LR	2A-V2AR	1/8" Compression A-LOK®		Blunt	0.078	0.12	0.78	0.14	0.67	1.01	1.01
2A-V2LN	2A-V2AN	1/8" Compression A-LOK®		Needle	0.078	0.12	0.80	0.14	0.63	1.01	1.01
2A-V2LK	2A-V2AK	1/8" Compression A-LOK®		PCTFE	0.078	0.13	0.83	0.14	0.63	1.01	1.01
2F-V2LR	2F-V2AR	1/8" Female NPT		Blunt	0.093	0.13	0.61	0.16	0.49	0.94	0.94
2F-V2LN	2F-V2AN	1/8" Female NPT		Needle	0.093	0.12	0.66	0.18	0.39	0.94	0.94
2F-V2LK	2F-V2AK	1/8" Female NPT		PCTFE	0.093	0.12	0.73	0.17	0.54	0.94	0.94
2M-V2LR	2M-V2AR	1/8" Male NPT		Blunt	0.093	0.13	0.61	0.16	0.49	0.75	0.75
2M-V2LN	2M-V2AN	1/8" Male NPT		Needle	0.093	0.12	0.66	0.18	0.39	0.75	0.75
2M-V2LK	2M-V2AK	1/8" Male NPT		PCTFE	0.093	0.12	0.73	0.17	0.54	0.75	0.75
2Z-V2LR	2Z-V2AR	1/8" Compression CPI™		Blunt	0.078	0.12	0.78	0.14	0.67	1.01	1.01
2Z-V2LN	2Z-V2AN	1/8" Compression CPI™		Needle	0.078	0.12	0.80	0.14	0.63	1.01	1.01
2Z-V2LK	2Z-V2AK	1/8" Compression CPI™		PCTFE	0.078	0.13	0.83	0.14	0.63	1.01	1.01
4A-V2LR	4A-V2AR	1/4" Compression A-LOK®		Blunt	0.078	0.12	0.78	0.14	0.67	1.09	1.09
4A-V2LN	4A-V2AN	1/4" Compression A-LOK®		Needle	0.078	0.12	0.80	0.14	0.63	1.09	1.09
4A-V2LK	4A-V2AK	1/4" Compression A-LOK®		PCTFE	0.078	0.13	0.83	0.14	0.63	1.09	1.09
4Z-V2LR	4Z-V2AR	1/4" Compression CPI™		Blunt	0.078	0.12	0.78	0.14	0.67	1.09	1.09
4Z-V2LN	4Z-V2AN	1/4" Compression CPI™		Needle	0.078	0.12	0.80	0.14	0.63	1.09	1.09
4Z-V2LK	4Z-V2AK	1/4" Compression CPI™		PCTFE	0.078	0.13	0.83	0.14	0.63	1.09	1.09

\* Tested in accordance with ISA S75.02. Gas flow will be choked when  $P_2 - P_v / P_1 = X_T$ .  
† For CPI™ and A-LOK®, dimensions are measured with nuts in the finger tight position