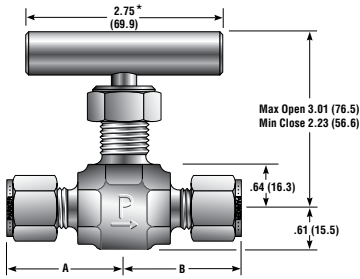


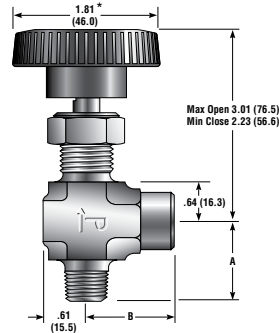
NEEDLE VALVES

V12 SERIES



Model Shown: 10Z-V12LN-B

Panel Hole Diameter:
0.77
Max Panel Thickness:
0.40



Model Shown: 8M8F-V12AK-BN-SS

* Note: Handles for N or R Stem V12 Series Valves are a T-bar

Part No.		End Connections			Flow Data					Dimensions	
Inline	Angle	Inlet (Port 1)	Outlet (Port 2)	Stem Type	Orifice (in.)	Inline C_v	Angle X_T^*	C_v	X_T^*	A† (in.)	B† (in.)
8F-V12LR	8F-V12AR	1/2" Female NPT		Blunt	0.312	1.23	0.87	1.66	0.72	1.38	1.38
8F-V12LN	8F-V12AN	1/2" Female NPT		Needle	0.312	1.05	0.83	1.28	0.80	1.38	1.38
8F-V12LK	8F-V12AK	1/2" Female NPT		PCTFE	0.312	1.29	0.91	1.90	0.76	1.38	1.38
10A-V12LR	10A-V12AR	5/8" Compression A-LOK®		Blunt	0.312	1.23	0.87	1.66	0.72	1.52	1.52
10A-V12LN	10A-V12AN	5/8" Compression A-LOK®		Needle	0.312	1.05	0.83	1.28	0.80	1.52	1.52
10A-V12LK	10A-V12AK	5/8" Compression A-LOK®		PCTFE	0.312	1.29	0.91	1.90	0.76	1.52	1.52
10Z-V12LR	10Z-V12AR	5/8" Compression CPI™		Blunt	0.312	1.23	0.87	1.66	0.72	1.52	1.52
10Z-V12LN	10Z-V12AN	5/8" Compression CPI™		Needle	0.312	1.05	0.83	1.28	0.80	1.52	1.52
10Z-V12LK	10Z-V12AK	5/8" Compression CPI™		PCTFE	0.312	1.29	0.91	1.90	0.76	1.52	1.52
12A-V12LR	12A-V12AR	3/4" Compression A-LOK®		Blunt	0.312	1.23	0.87	1.66	0.72	1.52	1.52
12A-V12LN	12A-V12AN	3/4" Compression A-LOK®		Needle	0.312	1.05	0.83	1.28	0.80	1.52	1.52
12A-V12LK	12A-V12AK	3/4" Compression A-LOK®		PCTFE	0.312	1.29	0.91	1.90	0.76	1.52	1.52
12Z-V12LR	12Z-V12AR	3/4" Compression CPI™		Blunt	0.312	1.23	0.87	1.66	0.72	1.52	1.52
12Z-V12LN	12Z-V12AN	3/4" Compression CPI™		Needle	0.312	1.05	0.83	1.28	0.80	1.52	1.52
12Z-V12LK	12Z-V12AK	3/4" Compression CPI™		PCTFE	0.312	1.29	0.91	1.90	0.76	1.52	1.52

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