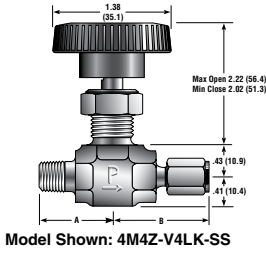
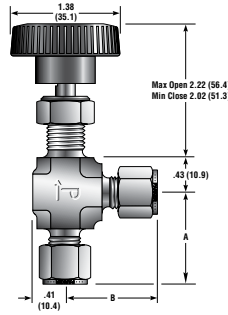


NEEDLE VALVES

V4 SERIES



Panel Hole Diameter:
0.52
Max Panel Thickness:
0.25



Model Shown: M6A-V4AN-BN-B

Part No.	End Connections		Stem Type	Flow Data					Dimensions	
	Incline	Angle		Inlet (Port 1)	Outlet (Port 2)	Orifice (in.)	C_v	X_T^*	C_v	X_T^*
2A-V4LR	2A-V4AR	1/8" Compression A-LOK®	Blunt	0.078	0.12	0.52	0.15	0.64	1.10	1.10
2A-V4LN	2A-V4AN	1/8" Compression A-LOK®	Needle	0.078	0.12	0.68	0.15	0.59	1.10	1.10
2A-V4LK	2A-V4AK	1/8" Compression A-LOK®	PCTFE	0.078	0.14	0.66	0.17	0.49	1.10	1.10
2F-V4LR	2F-V4AR	1/8" Female NPT	Blunt	0.176	0.43	0.77	0.55	0.63	0.81	0.81
2F-V4LN	2F-V4AN	1/8" Female NPT	Needle	0.176	0.43	0.69	0.55	0.63	0.81	0.81
2F-V4LK	2F-V4AK	1/8" Female NPT	PCTFE	0.176	0.45	0.55	0.58	0.68	0.81	0.81
2M-V4LR	2M-V4AR	1/8" Male NPT	Blunt	0.125	0.28	0.67	0.36	0.55	0.81	0.81
2M-V4LN	2M-V4AN	1/8" Male NPT	Needle	0.125	0.28	0.63	0.36	0.51	0.81	0.81
2M-V4LK	2M-V4AK	1/8" Male NPT	PCTFE	0.125	0.29	0.51	0.37	0.59	0.81	0.81
2Z-V4LR	2Z-V4AR	1/8" Compression CPI™	Blunt	0.078	0.12	0.52	0.15	0.64	1.10	1.10
2Z-V4LN	2Z-V4AN	1/8" Compression CPI™	Needle	0.078	0.12	0.68	0.15	0.59	1.10	1.10
2Z-V4LK	2Z-V4AK	1/8" Compression CPI™	PCTFE	0.078	0.14	0.66	0.17	0.49	1.10	1.10
4A-V4LR	4A-V4AR	1/4" Compression A-LOK®	Blunt	0.176	0.43	0.85	0.55	0.63	1.15	1.15
4A-V4LN	4A-V4AN	1/4" Compression A-LOK®	Needle	0.176	0.43	0.77	0.55	0.63	1.15	1.15
4A-V4LK	4A-V4AK	1/4" Compression A-LOK®	PCTFE	0.176	0.45	0.69	0.58	0.68	1.15	1.15
4M-V4LR	4M-V4AR	1/4" Male NPT	Blunt	0.176	0.43	0.85	0.55	0.63	0.94	0.94
4M-V4LN	4M-V4AN	1/4" Male NPT	Needle	0.176	0.43	0.77	0.55	0.63	0.94	0.94
4M-V4LK	4M-V4AK	1/4" Male NPT	PCTFE	0.176	0.45	0.69	0.58	0.68	0.94	0.94
4Z-V4LR	4Z-V4AR	1/4" Compression CPI™	Blunt	0.176	0.43	0.85	0.55	0.63	1.15	1.15
4Z-V4LN	4Z-V4AN	1/4" Compression CPI™	Needle	0.176	0.43	0.77	0.55	0.63	1.15	1.15
4Z-V4LK	4Z-V4AK	1/4" Compression CPI™	PCTFE	0.176	0.45	0.69	0.58	0.68	1.15	1.15
6A-V4LR	6A-V4AR	3/8" Compression A-LOK®	Blunt	0.176	0.43	0.85	0.55	0.63	1.17	1.17
6A-V4LN	6A-V4AN	3/8" Compression A-LOK®	Needle	0.176	0.43	0.77	0.55	0.63	1.17	1.17
6A-V4LK	6A-V4AK	3/8" Compression A-LOK®	PCTFE	0.176	0.45	0.69	0.58	0.68	1.17	1.17
6Z-V4LR	6Z-V4AR	3/8" Compression CPI™	Blunt	0.176	0.43	0.85	0.55	0.63	1.17	1.17
6Z-V4LN	6Z-V4AN	3/8" Compression CPI™	Needle	0.176	0.43	0.77	0.55	0.63	1.17	1.17
6Z-V4LK	6Z-V4AK	3/8" Compression CPI™	PCTFE	0.176	0.45	0.69	0.58	0.68	1.17	1.17

* Tested in accordance with ISA S75.02. Gas flow will be choked when $P_2 - P_3 / P_1 = x_T$.
† For CPI™ and A-LOK®, dimensions are measured with nuts in the finger tight position.