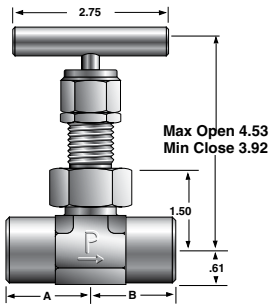


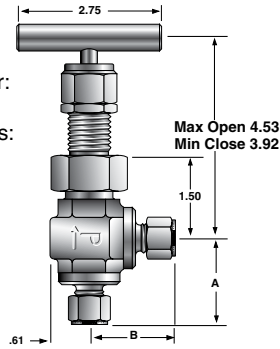
NEEDLE VALVES

U12 SERIES



Model Shown: 6F-U12LB-G-SS-HT

Panel Hole Diameter:
0.83
Max Panel Thickness:
0.61



Model Shown: M12A-U12AB-T-SS

Part No.		End Connections		Stem Type	Flow Data					Dimensions	
Inline	Angle	Inlet (Port 1)	Outlet (Port 2)		Orifice (in.)	C _v	X _T * C _v	Angle C _v	X _T * C _v	A† (in.)	B† (in.)
4A-U12LR	4A-U12AR	1/4" Compression A-LOK®		Regulating	0.125	0.44	0.57	0.60	0.49	1.39	1.39
4A-U12LB	4A-U12AB	1/4" Compression A-LOK®		Blunt	0.125	0.51	0.40	0.68	0.33	1.39	1.39
4F-U12LR	4F-U12AR	1/4" Female NPT		Regulating	0.250	0.94	0.65	1.25	0.55	1.13	1.13
4F-U12LB	4F-U12AB	1/4" Female NPT		Blunt	0.250	1.03	0.60	1.37	0.51	1.13	1.13
4Z-U12LR	4Z-U12AR	1/4" Compression CPI™		Regulating	0.125	0.44	0.57	0.60	0.49	1.39	1.39
4Z-U12LB	4Z-U12AB	1/4" Compression CPI™		Blunt	0.125	0.51	0.40	0.68	0.33	1.39	1.39
6A-U12LR	6A-U12AR	3/8" Compression A-LOK®		Regulating	0.187	0.69	0.61	0.92	0.52	1.60	1.60
6A-U12LB	6A-U12AB	3/8" Compression A-LOK®		Blunt	0.187	0.77	0.50	1.02	0.42	1.60	1.60
6F-U12LR	6F-U12AR	3/8" Female NPT		Regulating	0.312	1.19	0.78	1.58	0.66	1.30	1.30
6F-U12LB	6F-U12AB	3/8" Female NPT		Blunt	0.312	1.31	0.80	1.74	0.68	1.30	1.30
6W-U12LR	6W-U12AR	3/8" Tube Socket Weld		Regulating	0.228	0.85	0.64	1.13	0.54	1.13	1.13
6W-U12LB	6W-U12AB	3/8" Tube Socket Weld		Blunt	0.228	0.94	0.57	1.25	0.48	1.13	1.13
6Z-U12LR	6Z-U12AR	3/8" Compression CPI™		Regulating	0.187	0.69	0.61	0.92	0.52	1.60	1.60
6Z-U12LB	6Z-U12AB	3/8" Compression CPI™		Blunt	0.187	0.77	0.50	1.02	0.42	1.60	1.60
8A-U12LR	8A-U12AR	1/2" Compression A-LOK®		Regulating	0.250	0.94	0.65	1.25	0.55	1.49	1.49
8A-U12LB	8A-U12AB	1/2" Compression A-LOK®		Blunt	0.250	1.03	0.60	1.37	0.51	1.49	1.49
8F-U12LR	8F-U12AR	1/2" Female NPT		Regulating	0.312	1.19	0.78	1.58	0.66	1.50	1.50
8F-U12LB	8F-U12AB	1/2" Female NPT		Blunt	0.312	1.31	0.80	1.74	0.68	1.50	1.50
8W-U12LR	8W-U12AR	1/2" Tube Socket Weld		Regulating	0.312	1.19	0.78	1.58	0.66	1.25	1.25
8W-U12LB	8W-U12AB	1/2" Tube Socket Weld		Blunt	0.312	1.31	0.80	1.74	0.68	1.25	1.25
8Z-U12LR	8Z-U12AR	1/2" Compression CPI™		Regulating	0.250	0.94	0.65	1.25	0.55	1.49	1.49
8Z-U12LB	8Z-U12AB	1/2" Compression CPI™		Blunt	0.250	1.03	0.60	1.37	0.51	1.49	1.49

* Tested in accordance with ISA S75.02. Gas flow will be choked when $P_2 - P_1 / P_1 = X_c$.

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