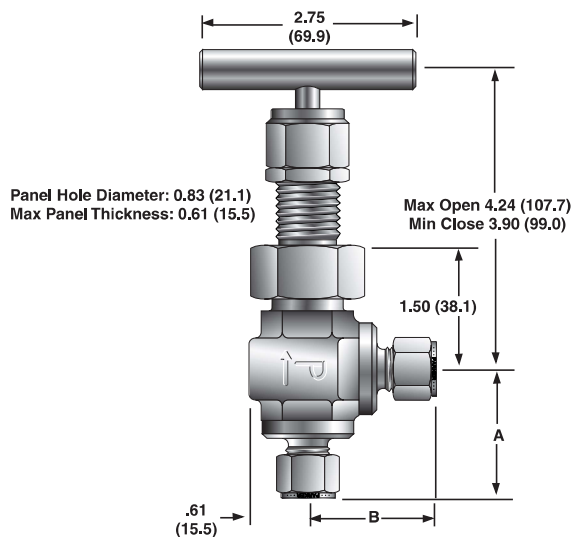
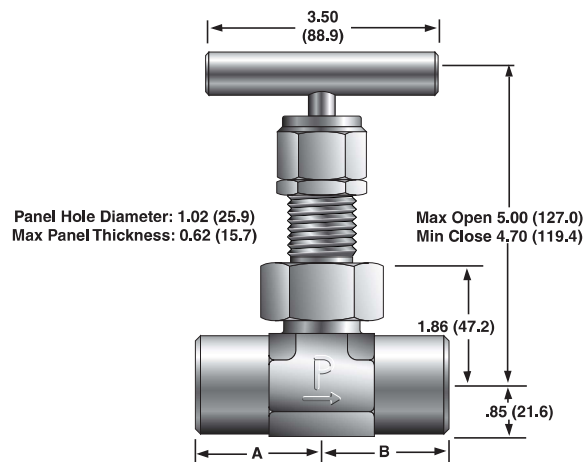


Dimensions / Flow Data



Model Shown: 8A-U12AB-T-SS



Model Shown: 16F-U16LB-G-SS-HT

() Denotes dimensions in millimeters

Basic Part Number		End Connections		Stem Type	Flow Data					Dimensions	
					Orifice		Inline		Angle		A†
Inline	Angle	Inlet (Port 1)	Outlet (Port 2)		Inch	mm	C _V	X _T *	C _V	X _T *	Inch (mm)
4F-U12LR-T-SS	4F-U12AR-T-SS	1/4" Female NPT		Regulating	0.250	6.4	0.94	0.65	1.25	0.55	1.13
4F-U12LB-T-SS	4F-U12AB-T-SS			Blunt			1.03	0.60	1.37	0.51	(28.7)
6A-U12LR-T-SS	6A-U12AR-T-SS	3/8" Compression A-LOK®		Regulating	0.187	4.7	0.69	0.61	0.92	0.52	1.60
6A-U12LB-T-SS	6A-U12AB-T-SS			Blunt			0.77	0.50	1.02	0.42	(40.6)
6F-U12LR-T-SS	6F-U12AR-T-SS	3/8" Female NPT		Regulating	0.312	7.9	1.19	0.78	1.58	0.66	1.30
6F-U12LB-T-SS	6F-U12AB-T-SS			Blunt			1.31	0.80	1.74	0.68	(33.0)
6W-U12LR-T-SS	6W-U12AR-T-SS	3/8" Tube Socket Weld		Regulating	0.228	5.8	0.85	0.64	1.13	0.54	1.13
6W-U12LB-T-SS	6W-U12AB-T-SS			Blunt			0.94	0.57	1.25	0.48	(28.7)
6Z-U12LR-T-SS	6Z-U12AR-T-SS	3/8" Compression CPI™		Regulating	0.187	4.7	0.69	0.61	0.92	0.52	1.60
6Z-U12LB-T-SS	6Z-U12AB-T-SS			Blunt			0.77	0.50	1.02	0.42	(40.6)
8A-U12LR-T-SS	8A-U12AR-T-SS	1/2" Compression A-LOK®		Regulating	0.250	6.4	0.94	0.65	1.25	0.55	1.49
8A-U12LB-T-SS	8A-U12AB-T-SS			Blunt			1.03	0.60	1.37	0.51	(37.8)
8F-U12LR-T-SS	8F-U12AR-T-SS	1/2" Female NPT		Regulating	0.312	7.9	1.19	0.78	1.58	0.66	1.50
8F-U12LB-T-SS	8F-U12AB-T-SS			Blunt			1.31	0.80	1.74	0.68	(38.1)
8W-U12LR-T-SS	8W-U12AR-T-SS	1/2" Tube Socket Weld		Regulating	0.312	7.9	1.19	0.78	1.58	0.66	1.25
8W-U12LB-T-SS	8W-U12AB-T-SS			Blunt			1.31	0.80	1.74	0.68	(31.8)
8Z-U12LR-T-SS	8Z-U12AR-T-SS	1/2" Compression CPI™		Regulating	0.250	6.4	0.94	0.65	1.25	0.55	1.49
8Z-U12LB-T-SS	8Z-U12AB-T-SS			Blunt			1.03	0.60	1.37	0.51	(37.8)
M10A-U12LR-T-SS	M10A-U12AR-T-SS	10mm Compression A-LOK®		Regulating	0.250	6.4	0.94	0.65	1.25	0.55	1.53
M10A-U12LB-T-SS	M10A-U12AB-T-SS			Blunt			1.03	0.60	1.37	0.51	(38.9)
M10Z-U12LR-T-SS	M10Z-U12AR-T-SS	10mm Compression CPI™		Regulating	0.250	6.4	0.94	0.65	1.25	0.55	1.53
M10Z-U12LB-T-SS	M10Z-U12AB-T-SS			Blunt			1.03	0.60	1.37	0.51	(38.9)
M12A-U12LR-T-SS	M12A-U12AR-T-SS	12mm Compression A-LOK®		Regulating	0.312	7.9	1.19	0.78	1.58	0.66	1.70
M12A-U12LB-T-SS	M12A-U12AB-T-SS			Blunt			1.31	0.80	1.74	0.68	(43.2)
M12Z-U12LR-T-SS	M12Z-U12AR-T-SS	12mm Compression CPI™		Regulating	0.312	7.9	1.19	0.78	1.58	0.66	1.70
M12Z-U12LB-T-SS	M12Z-U12AB-T-SS			Blunt			1.31	0.80	1.74	0.68	(43.2)

* 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.

Dimensions in inches/millimeters are for reference only, subject to change.

Dimensions / Flow Data

Basic Part Number		End Connections		Stem Type	Flow Data					Dimensions	
		Inlet (Port 1)	Outlet (Port 2)		Orifice		Inline		Angle		A† and B‡
Inline	Angle				Inch	mm	C_V	X_T^*	C_V	X_T^*	Inch (mm)
8A-U16LR-T-SS	8A-U16AR-T-SS	1/2" Compression A-LOK®		Regulating	0.394	10.0	1.59	0.73	2.11	0.62	1.97
8A-U16LB-T-SS	8A-U16AB-T-SS			Blunt			1.90	0.95	2.53	0.81	(50.0)
8F-U16LR-T-SS	8F-U16AR-T-SS	1/2" Female NPT		Regulating	0.437	11.1	1.82	0.72	2.42	0.61	1.56
8F-U16LB-T-SS	8F-U16AB-T-SS			Blunt			2.67	0.80	3.55	0.68	(39.6)
8PSW-U16LR-T-SS	8PSW-U16AR-T-SS	1/2" Pipe Socket Weld		Regulating	0.437	11.1	1.82	0.72	2.42	0.61	1.56
8PSW-U16LB-T-SS	8PSW-U16AB-T-SS			Blunt			2.67	0.80	3.55	0.68	(39.6)
8W-U16LR-T-SS	8W-U16AR-T-SS	1/2" Tube Socket Weld		Regulating	0.394	10.0	1.59	0.73	2.11	0.62	1.69
8W-U16LB-T-SS	8W-U16AB-T-SS			Blunt			1.90	0.95	2.53	0.81	(42.9)
8Z-U16LR-T-SS	8Z-U16AR-T-SS	1/2" Compression CPI™		Regulating	0.394	10.0	1.59	0.73	2.11	0.62	1.97
8Z-U16LB-T-SS	8Z-U16AB-T-SS			Blunt			1.90	0.95	2.53	0.81	(50.0)
12A-U16LR-T-SS	12A-U16AR-T-SS	3/4" Compression A-LOK®		Regulating	0.437	11.1	1.82	0.72	2.42	0.61	1.97
12A-U16LB-T-SS	12A-U16AB-T-SS			Blunt			2.67	0.80	3.55	0.68	(50.0)
12F-U16LR-T-SS	12F-U16AR-T-SS	3/4" Female NPT		Regulating	0.437	11.1	1.82	0.72	2.42	0.61	1.63
12F-U16LB-T-SS	12F-U16AB-T-SS			Blunt			2.67	0.80	3.55	0.68	(41.4)
12PSW-U16LR-T-SS	12PSW-U16AR-T-SS	3/4" Pipe Socket Weld		Regulating	0.437	11.1	1.82	0.72	2.42	0.61	1.56
12PSW-U16LB-T-SS	12PSW-U16AB-T-SS			Blunt			2.67	0.80	3.55	0.68	(39.6)
12W-U16LR-T-SS	12W-U16AR-T-SS	3/4" Tube Socket Weld		Regulating	0.437	11.1	1.82	0.72	2.42	0.61	1.56
12W-U16LB-T-SS	12W-U16AB-T-SS			Blunt			2.67	0.80	3.55	0.68	(39.6)
12Z-U16LR-T-SS	12Z-U16AR-T-SS	3/4" Compression CPI™		Regulating	0.437	11.1	1.82	0.72	2.42	0.61	1.97
12Z-U16LB-T-SS	12Z-U16AB-T-SS			Blunt			2.67	0.80	3.55	0.68	(50.0)
16A-U16LR-T-SS	16A-U16AR-T-SS	1" Compression A-LOK®		Regulating	0.437	11.1	1.82	0.72	2.42	0.61	1.97
16A-U16LB-T-SS	16A-U16AB-T-SS			Blunt			2.67	0.80	3.55	0.68	(50.0)
16F-U16LR-T-SS	16F-U16AR-T-SS	1" Female NPT		Regulating	0.437	11.1	1.82	0.72	2.42	0.61	1.81
16F-U16LB-T-SS	16F-U16AB-T-SS			Blunt			2.67	0.80	3.55	0.68	(46.0)
16Z-U16LR-T-SS	16Z-U16AR-T-SS	1" Compression CPI™		Regulating	0.437	11.1	1.82	0.72	2.42	0.61	1.97
16Z-U16LB-T-SS	16Z-U16AB-T-SS			Blunt			2.67	0.80	3.55	0.68	(50.0)
M12A-U16LR-T-SS	M12A-U16AR-T-SS	12mm Compression A-LOK®		Regulating	0.394	10.0	1.59	0.73	2.11	0.62	1.97
M12A-U16LB-T-SS	M12A-U16AB-T-SS			Blunt			1.90	0.95	2.53	0.81	(50.0)
M12Z-U16LR-T-SS	M12Z-U16AR-T-SS	12mm Compression CPI™		Regulating	0.394	10.0	1.59	0.73	2.11	0.62	1.97
M12Z-U16LB-T-SS	M12Z-U16AB-T-SS			Blunt			1.90	0.95	2.53	0.81	(50.0)

* 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.

Dimensions in inches/millimeters are for reference only, subject to change.

How to Order Options

Grafoil™ Packing - replace -T with -G for 700°F Temperature capability.

High Temperature - Add the suffix -HT for 1200°F Temperature capability. **Example** : 4M-U6LB-G-SS-HT

Oxygen Cleaning - Add the suffix -C3. **Example**: 8A-U12LR-T-SS-C3.

ASME B31.1 Compliant Valves – Add the suffix -QC311. **Example**: 8F-U12LR-G-SS-QC311

How to Order Maintenance Kits

Stainless Steel T-Bar Handles with Handle Screw – **Examples**: U16-BAR-HANDLE-SS

Aluminum T-Bar Handles with Handle Screw – **Examples**: U12-BAR-HANDLE-AL

Panel Mounting Nuts – **Examples**: U6-LOCKNUT

PTFE Packing Kits – **Example**: KIT-U12-T

Grafoil® Packing Kits – **Example**: KIT-U16-G

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