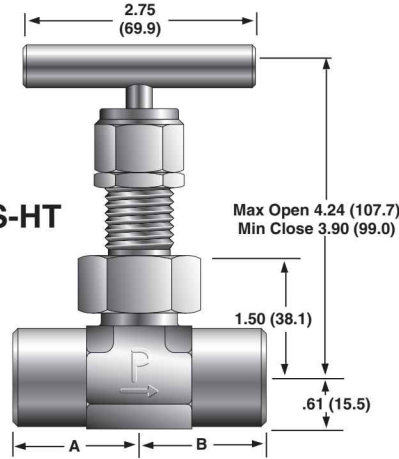


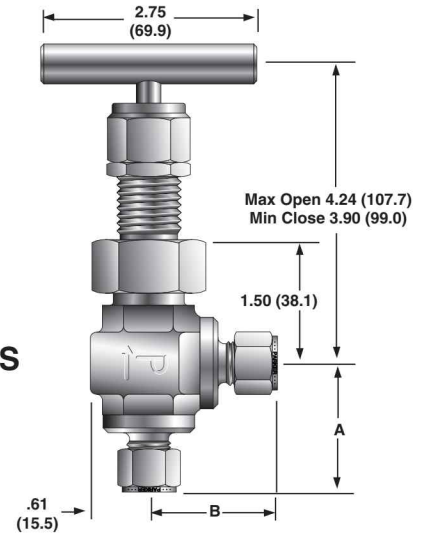
## U12 Series Dimensions / Flow Data

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



Panel Hole Diameter:  
0.83 (21.1)  
Max Panel Thickness:  
0.61 (15.5)

**Model Shown:**  
**8A-U12AB-T-SS**



( ) Denotes dimensions in millimeters

Basic Part Number		End Connections		Stem Type	Flow Data				Dimensions					
Inline	Angle	Inlet (Port 1)	Outlet (Port 2)		Orifice	Inline		Angle		A†		B†		
					Inch	mm	$C_V$	$X_T^*$	$C_V$	$X_T^*$	Inch	mm	Inch	mm
4A-U12LR	4A-U12AR	1/4" Compression A-LOK®	Regulating	Blunt	0.125	3.2	0.44	0.57	0.60	0.49	1.39	35.3	1.39	35.3
4A-U12LB	4A-U12AB						0.51	0.40	0.68	0.33				
4F-U12LR	4F-U12AR	1/4" Female NPT	Regulating	Blunt	0.250	6.4	0.94	0.65	1.25	0.55	1.13	28.7	1.13	28.7
4F-U12LB	4F-U12AB						1.03	0.60	1.37	0.51				
4Z-U12LR	4Z-U12AR	1/4" Compression CPI™	Regulating	Blunt	0.125	3.2	0.44	0.57	0.60	0.49	1.39	35.3	1.39	35.3
4Z-U12LB	4Z-U12AB						0.51	0.40	0.68	0.33				
6A-U12LR	6A-U12AR	3/8" Compression A-LOK®	Regulating	Blunt	0.187	4.7	0.69	0.61	0.92	0.52	1.60	40.6	1.60	40.6
6A-U12LB	6A-U12AB						0.77	0.50	1.02	0.42				
6F-U12LR	6F-U12AR	3/8" Female NPT	Regulating	Blunt	0.312	7.9	1.19	0.78	1.58	0.66	1.30	33.0	1.30	33.0
6F-U12LB	6F-U12AB						1.31	0.80	1.74	0.68				
6W-U12LR	6W-U12AR	3/8" Tube Socket Weld	Regulating	Blunt	0.228	5.8	0.85	0.64	1.13	0.54	1.13	28.7	1.13	28.7
6W-U12LB	6W-U12AB						0.94	0.57	1.25	0.48				
6Z-U12LR	6Z-U12AR	3/8" Compression CPI™	Regulating	Blunt	0.187	4.7	0.69	0.61	0.92	0.52	1.60	40.6	1.60	40.6
6Z-U12LB	6Z-U12AB						0.77	0.50	1.02	0.42				
8A-U12LR	8A-U12AR	1/2" Compression A-LOK®	Regulating	Blunt	0.250	6.4	0.94	0.65	1.25	0.55	1.49	37.8	1.49	37.8
8A-U12LB	8A-U12AB						1.03	0.60	1.37	0.51				
8F-U12LR	8F-U12AR	1/2" Female NPT	Regulating	Blunt	0.312	7.9	1.19	0.78	1.58	0.66	1.50	38.1	1.50	38.1
8F-U12LB	8F-U12AB						1.31	0.80	1.74	0.68				
8W-U12LR	8W-U12AR	1/2" Tube Socket Weld	Regulating	Blunt	0.312	7.9	1.19	0.78	1.58	0.66	1.25	31.8	1.25	31.8
8W-U12LB	8W-U12AB						1.31	0.80	1.74	0.68				
8Z-U12LR	8Z-U12AR	1/2" Compression CPI™	Regulating	Blunt	0.250	6.4	0.94	0.65	1.25	0.55	1.49	37.8	1.49	37.8
8Z-U12LB	8Z-U12AB						1.03	0.60	1.37	0.51				
M10A-U12LR	M10A-U12AR	10mm Compression A-LOK®	Regulating	Blunt	0.250	6.4	0.94	0.65	1.25	0.55	1.53	38.9	1.53	38.9
M10A-U12LB	M10A-U12AB						1.03	0.60	1.37	0.51				
M10Z-U12LR	M10Z-U12AR	10mm Compression CPI™	Regulating	Blunt	0.250	6.4	0.94	0.65	1.25	0.55	1.53	38.9	1.53	38.9
M10Z-U12LB	M10Z-U12AB						1.03	0.60	1.37	0.51				
M12A-U12LR	M12A-U12AR	12mm Compression A-LOK®	Regulating	Blunt	0.312	7.9	1.19	0.78	1.58	0.66	1.70	43.2	1.70	43.2
M12A-U12LB	M12A-U12AB						1.31	0.80	1.74	0.68				
M12Z-U12LR	M12Z-U12AR	12mm Compression CPI™	Regulating	Blunt	0.312	7.9	1.19	0.78	1.58	0.66	1.70	43.2	1.70	43.2
M12Z-U12LB	M12Z-U12AB						1.31	0.80	1.74	0.68				
M14A-U12LR	M14A-U12AR	14mm Compression A-LOK®	Regulating	Blunt	0.312	7.9	1.19	0.78	1.58	0.66	1.70	43.2	1.70	43.2
M14A-U12LB	M14A-U12AB						1.31	0.80	1.74	0.68				
M14Z-U12LR	M14Z-U12AR	14mm Compression CPI™	Regulating	Blunt	0.312	7.9	1.19	0.78	1.58	0.66	1.70	43.2	1.70	43.2
M14Z-U12LB	M14Z-U12AB						1.31	0.80	1.74	0.68				

\* 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.