

TOGGLE VALVES

H-1200 SERIES



FEATURES

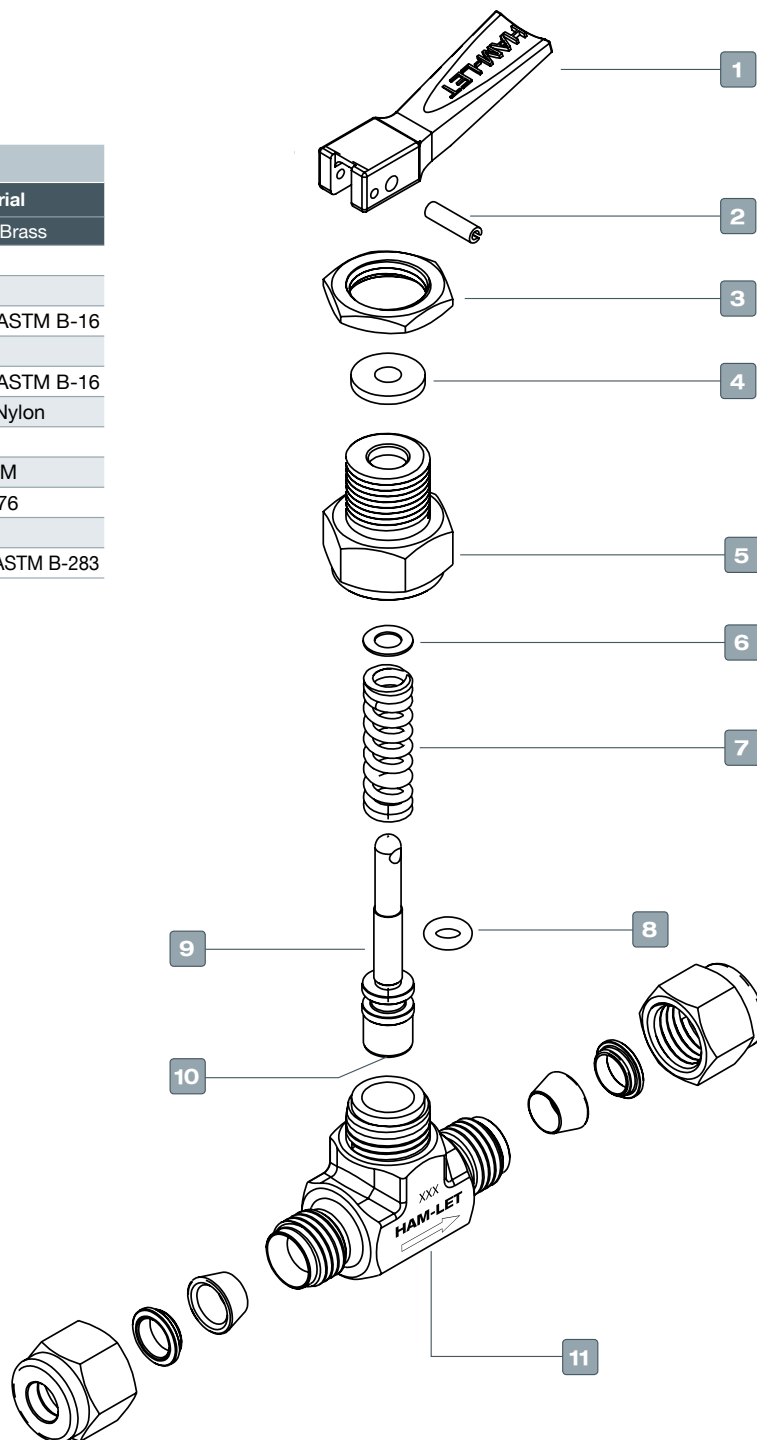
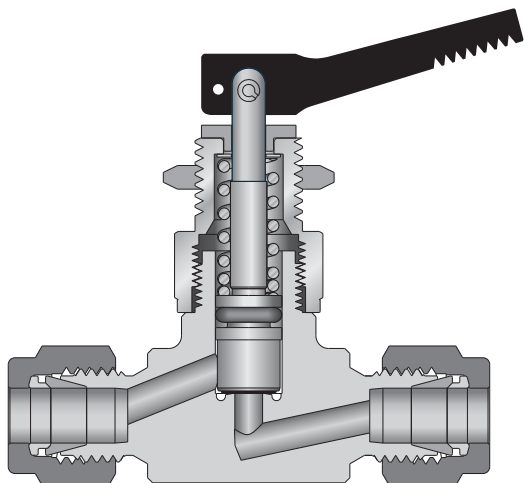
- Compact rugged design
- Stainless Steel and Brass Construction
- Panel mountable
- Quick On/Off service
- Straight and angle patterns available
- Sizes: 1/8" & 1/4"
- LET-LOK[®], male and female NPT ends
- MAWP 300 psig (20 Bar) at 20°C (70°F)
- Temperature rating: -20°F to 200°F (-28°C to 93°C)
- Flow coefficient (Cv) 0.11 to 0.2
- Colored Nylon Handles

GENERAL

The H-1200 Series standard toggle valve is a compact design for normally closed and quick on/off service. Moving the handle 90 degrees upwards opens the valve to full flow and stops it firmly in the open position. Shifting the handle position downwards shuts off the valve by spring return. The PTFE soft seat at the tip of the stem provides a positive repetitive seal.

MATERIALS OF CONSTRUCTION

Item	Components	Qty.	Valve Body Material	
			316 St.St.	Brass
1	Handle	1	Nylon	
2	Roll Pin	1	St.St. 420 SS	
3	Panel Nut	1	St.St. ASTM A-276	Brass ASTM B-16
4	Washer	1	Nylon	
5	Packing Nut	1	St.St. ASTM A-276	Brass ASTM B-16
6	Thrust Washer	1	N/A	Nylon
7	Spring	1	302SS / A313	
8	O-ring	1	Fluorocarbon FKM	
9	Stem	1	St.St. ASTM A-276	
10	Stem Seat	1	PTFE	
11	Body	1	St.St. ASTM A-182	Brass ASTM B-283

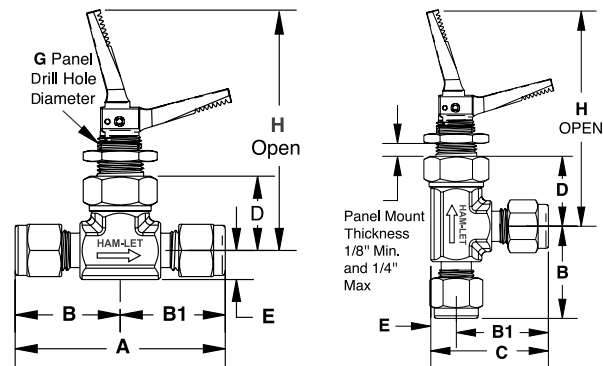


TESTING

All H-1200 Series designs have been tested and approved for Burst and Proof. All valves are factory tested with Nitrogen pressure at 300 psig (20.7 bar) for shell, stem and across-the-seat leak detection. Each valve is tested for leak tight performance.

CLEANING & PACKAGING

Every H-1200 series needle valve is cleaned in accordance with Standard Cleaning and Packaging (procedure 8184). Oxygen Clean & Lubricant Free Cleaning and packaging, in accordance with Special Cleaning and Packaging (procedure 8185), is available as an option.



STANDARD CONFIGURATION DIMENSIONS

End connection		Cv	Orifice		A		B		B1		C		D		E		G		H (Open)	
Type	Size		mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
Female NPT	1/8	0.20	3.28	0.13	41.2	1.66	20.6	0.81	20.6	0.81	N/A	N/A	21.8	0.85	7.95	0.31	13.5	0.53	65.5	2.57
Male NPT	1/8	0.11	2.50	0.10	43.7	1.72	21.8	0.86	21.9	0.86	29.7	1.17								
Male NPT	1/4	0.20	3.28	0.13	49.8	1.96	24.9	0.98	24.9	0.98	32.8	1.29								
Let-Lok®	1/8	0.11	2.30	0.09	49.8	1.96	24.9	0.98	24.9	0.98	32.8	1.29								
Let-Lok®	1/4	0.20	3.28	0.13	57.4	2.26	28.7	1.13	28.7	1.13	36.5	1.44								
Male to Let-Lok®	1/4	0.20	3.28	0.13	53.6	2.11	24.9	0.98	28.7	1.13	32.8	1.29								

Dimensions are for reference only, and are subject to change without notice.

H-1200 SERIES ORDERING INFORMATION

H - 12 - 00 - SS - N - 1/8 - A -										OPTIONAL	
Valve Series		Body Material		Size Designator		Handle Type		O-ring Material		Treatment	
Valve Type		End Connection		Pattern Designator							
00 - LET-LOK® Ends		SS - 316 SS		3 mm 1/8		BLANK - Black Nylon Handle		BU - Buna N		BLANK - Standard Cleaning & Passivation	
80 - Male NPT Ends		B - Brass		6 mm 1/4		RH - Red Nylon Handle		EP - EPDM		OC - Oxygen Clean	
95 - Male to LET-LOK® Ends		L - LET-LOK®		BLANK - Straight		BH - Blue Nylon Handle		NE - Polychloroprene (CR)		LF - Lubricant Free	
		N - NPT		A - Angle		YH - Yellow Nylon Handle		KZ - Perfluor			
						GH - Green Nylon Handle		Fluorocarbon FKM O-ring is standard			
						OH - Orange Nylon Handle					

SEAL KIT

Z - 1200 - SK - 1/4 - VI			
Body Designator per End Connection		O-ring Material	
1/4 for all ends connections		VI - Fluorocarbon FKM	
		BU - Buna N	
		EP - EPDM	
		NE - Polychloroprene (CR)	
		KZ - Perfluor	

HANDLE KIT

Z - 1200 - HK - 1/4 - S			
Body Designator per End Connection		Handle Type	
1/4 for all ends connections		S - Black Nylon Handle	
		R - Red Nylon Handle	
		B - Blue Nylon Handle	
		Y - Yellow Nylon Handle	
		G - Green Nylon Handle	
		O - Orange Nylon Handle	

Warning!

The system designer and user have the sole responsibility for selecting products suitable for their special application requirements, ensuring their safe and trouble-free installation, operation, and maintenance. Application details, material compatibility and product ratings should all be considered for each selected product. Improper selection, installation or use of products can cause property damage or personal injury.

H-1200, Rev.10, January 2015

