

H1200 SERIES

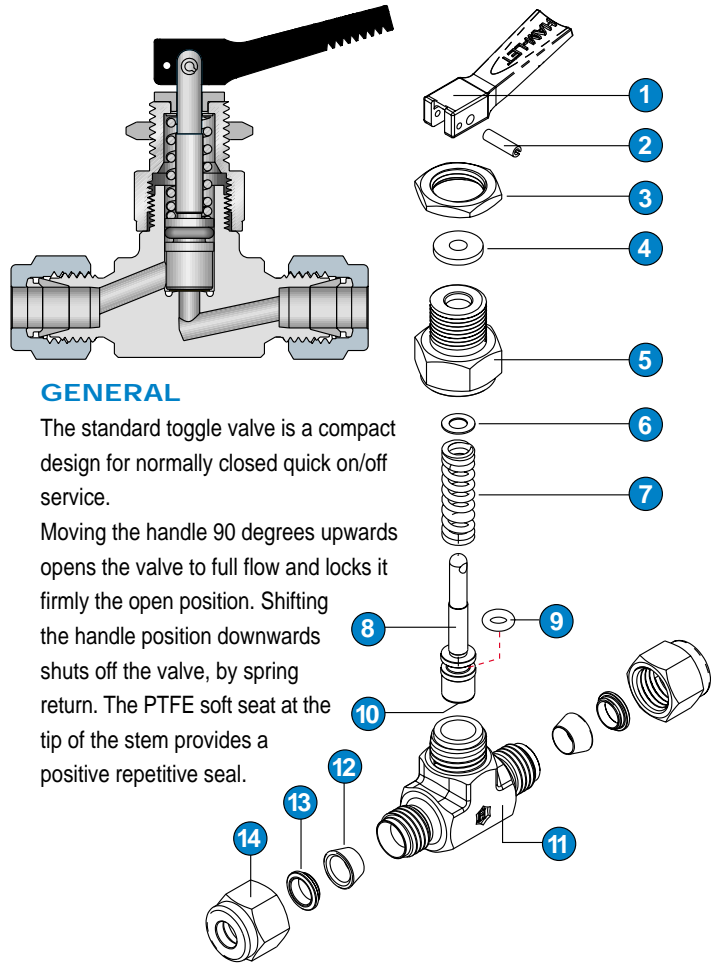
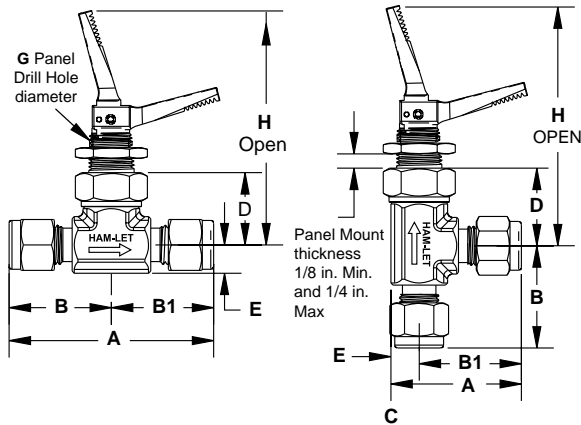
HAM-LET TOGGLE VALVES



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 at 20°C (70°F)
- MAWT 400°F (204°C)
- Flow coefficient (Cv) 0.1 to 0.2.
- Colored Nylon and Metal Handles

H1200 MATERIALS			
Item No.	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	Stem	1	St.St. ASTM A-276
9	O-Ring	1	Viton (Fluorocarbon FKM)
10	Stem Seat	1	PTFE®
11	Body	1	St.St. ASTM A-182 Brass ASTM B-283
12	Front Ferrule	2	St.St. ASTM A-276 Brass ASTM B-16
13	Back Ferrule	2	St.St. ASTM A-276 Brass ASTM B-16
14	Nut	2	St.St. ASTM A-276 Brass ASTM B-16



GENERAL

The standard toggle valve is a compact design for normally closed quick on/off service.

Moving the handle 90 degrees upwards opens the valve to full flow and locks it firmly 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.

H1200 SERIES DIMENSIONS (MM) For other end connections please contact Ham-Let customer service.

End Connection Type	Cv Size	Orifice		A		B		B1		C		D		E		G		H (Open)		
		mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	
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	21.8	0.85	7.95	0.31	13.5	0.53	65.5	2.57
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	21.8	0.85	7.95	0.31	13.5	0.53	65.5	2.57
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	21.8	0.85	7.95	0.31	13.5	0.53	65.5	2.57
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	21.8	0.85	7.95	0.31	13.5	0.53	65.5	2.57

O-RINGS

Different materials are available for special applications.

O-Ring Material	Temperature Rating °F (°C)
Buna N	-30 to 250 (-34 to 121)
Ethylene Propylene	-70 to 250 (-57 to 121)
Viton (Fluorocarbon)	-15 to 400 (-26 to 204)
Kalrez	-15 to 500 (-26 to 260)
Neoprene	-35 to 225 (-37 to 107)

ORDERING INFORMATION

H 12 00 SS N 1/8 A

Valve Series	Body Material	End Connection	Size Designator	Pattern Designator	O-ring Material
Valve Type 00 - Let-Lok Ends 10 - Female Ends NPT 80 - Male Ends NPT	SS - 316SS B - Brass	L - Let-Lok N - NPT	1/8" 1/4"	A - Angle S - Straight	Viton O-ring is standard BN - Buna N EP - EPDM, EPM NE - Neoprene NB - NBR KZ - Kalrez

OPTIONAL:



TESTING:

All H1200 series designs have been tested and approved for Burst and Proof. 100% of the valves are factory tested with Nitrogen pressure at 200 psig (13 bar) for shell, stem and across the seat leak detection. No detectable leakage is allowed.

CLEANING & PACKAGING:

Ham-Let H1200 valves are treated with Ham-Let Passivation Cleaning and Packaging (Procedure 8075). Other treatments are available upon request.

Warning - for your safety:

Select the right component for safety's sake: The total design of the system must be taken into consideration when selecting components in order to ensure that your Ham-Let products provide safe, trouble-free operation. It is the responsibility of the system designer and the user to consider the compatibility of the materials, of the components and system, the function of the component, appropriate ratings and to ensure proper installation, operation and maintenance.

Improper selection or use of products can cause property damage or personal injury, in respect of which the system designer and/or the user shall be solely liable and responsible.

For more information on Ham-let fittings visit the Industrial Ancillaries Ltd website - www.indanc.com