



TOGGLE VALVES

HAM-LET H-1200 SERIES



- ✔ Compact rugged design toggle valve with working pressures up to 300 psig (20 bar)
- ✔ Stainless Steel and Brass construction
- ✔ Available in straight and angle patterns



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
- Pressure rating up to 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

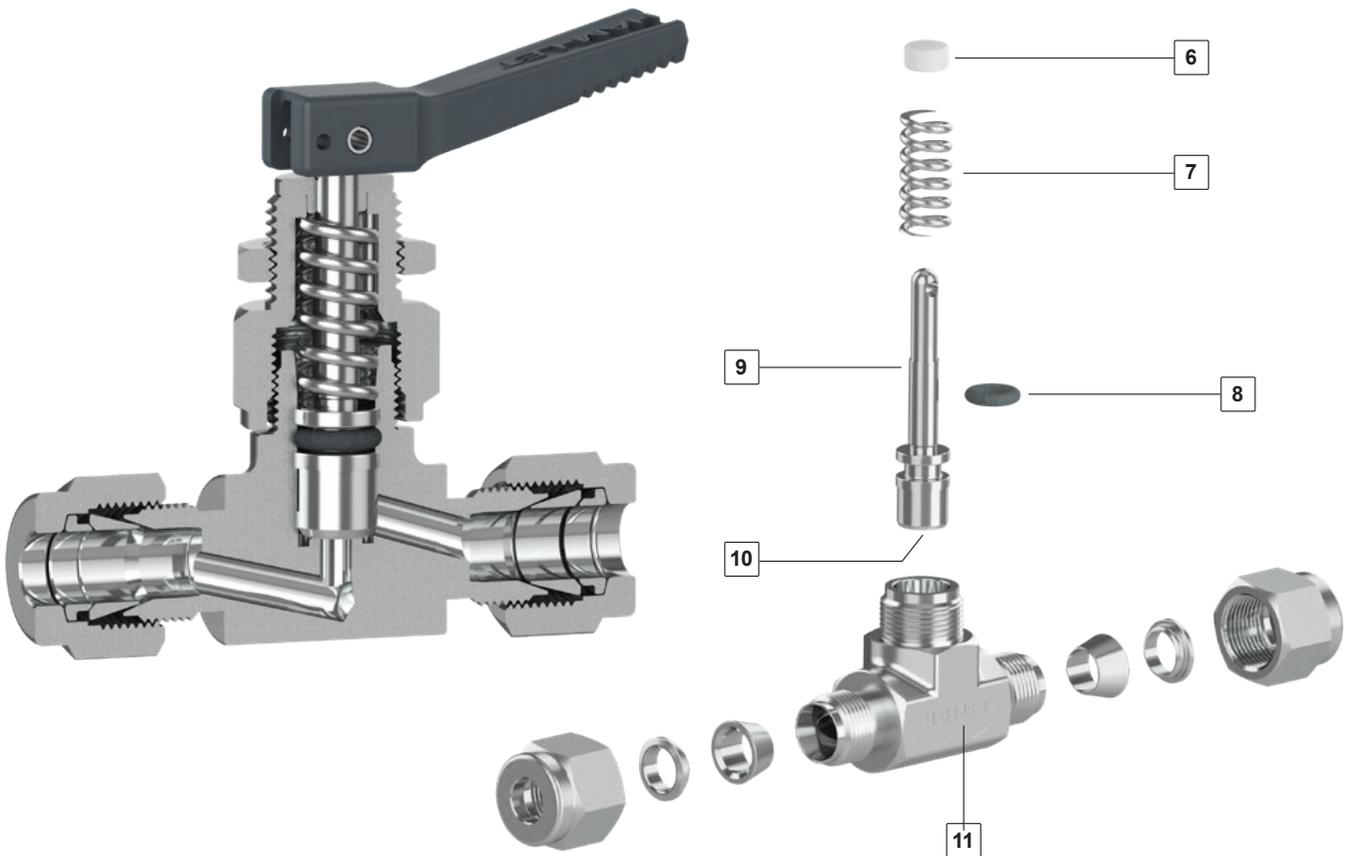
GENERAL

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 SST	Brass
1	Handle	1	Nylon	
2	Roll pin	1	SST 420 SS	
3	Panel nut	1	SST ASTM A-276	Brass ASTM B-16
4	Washer	1	Nylon	
5	Packing nut	1	SST ASTM A-276	Brass ASTM B-16
6	Thrust washer	1	N/A	Nylon
7	Spring	1	302SS / A313	
8	O-ring ¹	1	Fluorocarbon FKM	
9	Stem ¹	1	SST ASTM A-276	
10	Stem seat ¹	1	PTFE	
11	Body ¹	1	SST ASTM A-182	Brass ASTM B-283
	Lubricant		Silicone based and PTFE based	

¹Wetted parts

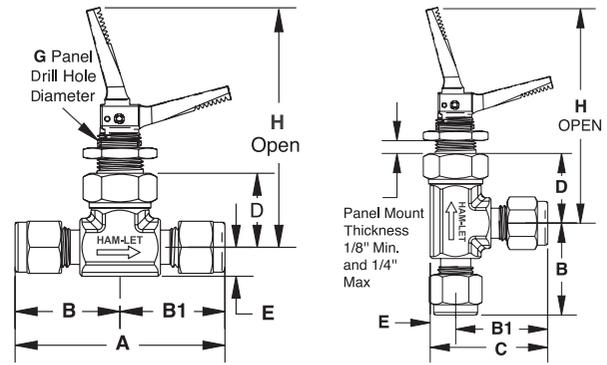


TESTING

All H-1200 Series designs have been tested and approved for burst and pressure. 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.

ORDERING INFORMATION H-1200 SERIES

H - 12 00 - SS - N - 1/8" - A - RH - OPTIONAL

Valve Series	Body Material	Size Designator	Handle Type	O-ring Material
12	SS SST 316	1/8" 3 mm	BLANK Black nylon handle	Blank Fluorocarbon FKM
00 LET-LOK ends	B Brass	1/4" 6 mm	RH Red nylon handle	BU Buna N
80 Male NPT ends	End Connection Type	Pattern Designator	BH Blue nylon handle	EP EPDM
95 Male to LET-LOK ends	L LET-LOK	Blank Straight	YH Yellow nylon handle	NE Polychloroprene (CR)
	N NPT	A Angle	GH Green nylon handle	KZ Perfluor
	NL NPT to LET-LOK		OH Orange nylon handle	
	HL Single Ferrule			Treatment
				BLANK Standard cleaning & passivation
				OC Oxygen clean
				LF Lubricant free
				SF Silicone free

SEAL KIT

Z - 1200 - SK - 1/4 - VI

Body Designator per End Connection	O-ring Material
1/4 for all end 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 end 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.