TOGGLE VALVES
H–1200 SERIES

HAM-LET®
ADVANCED CONTROL TECHNOLOGY

FEATURES

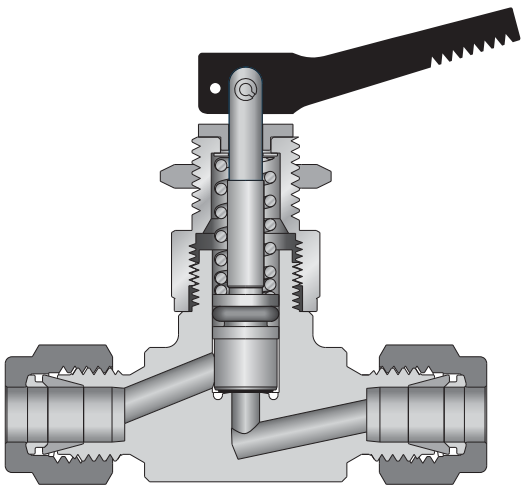
- Compact Rugged Design
- Stainless Steel and Brass Construction
- Panel Mountable
- Quick On/Off Service
- Straight and Angle Patterns Available
- Sizes: 1/8" & 1/4"
- LET-LOK , Male and Female NPT ends
- MAWP 300 psig at 20°C (70°F)
- Temperature rating: -20°F-200°F (-28°C-93°C)
- Flow coefficient (Cv) 0.11 to 0.2
- Colored Nylon Handles

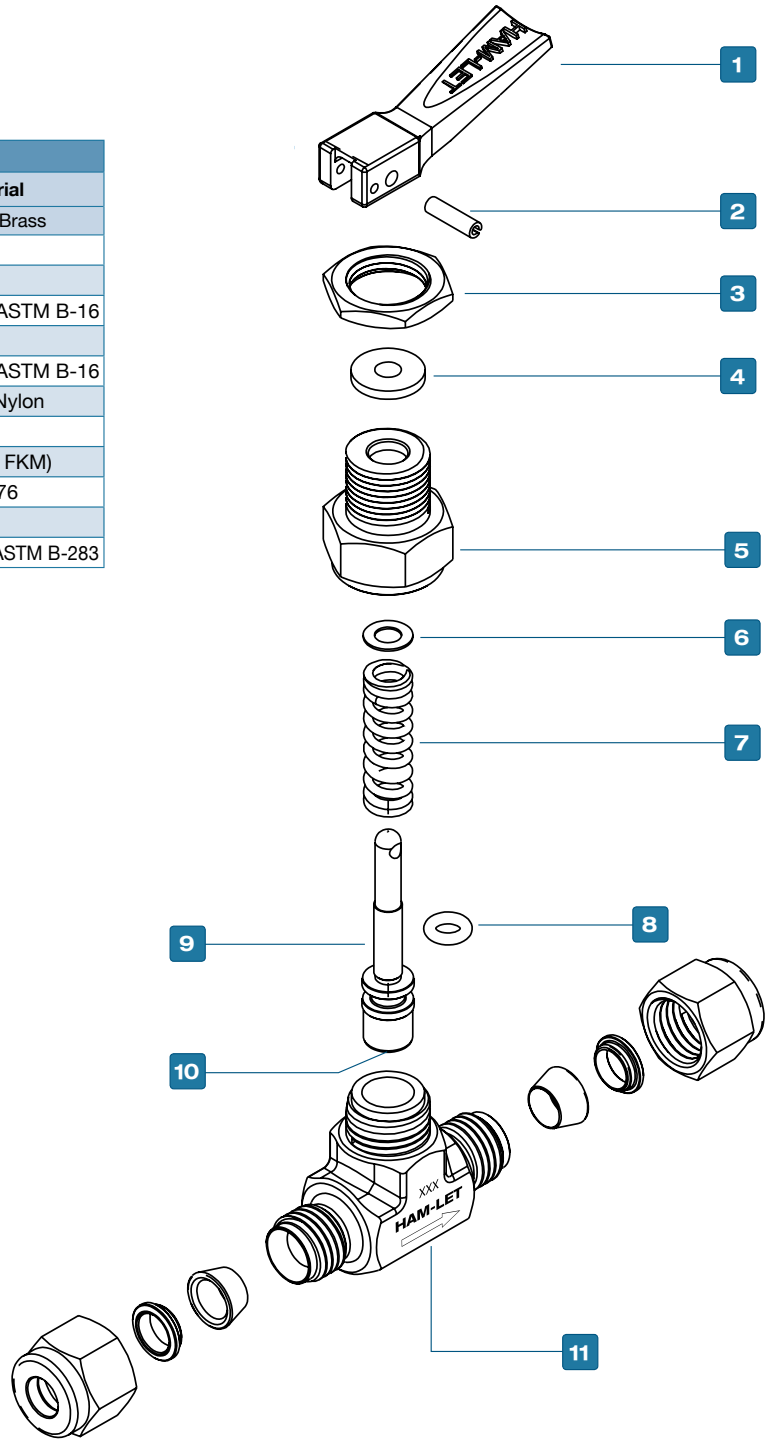
GENERAL

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	Viton® (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





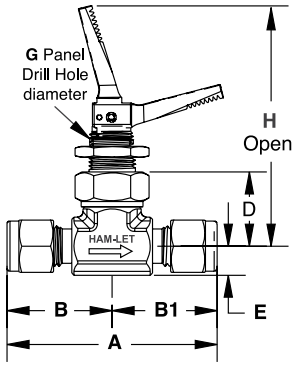
HAM-LET ADVANCED CONTROL TECHNOLOGY

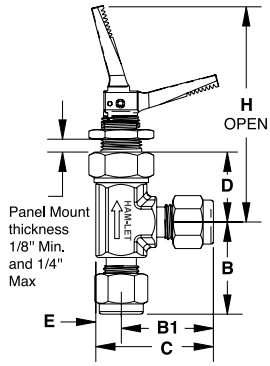
TESTING

All H-1200 Series designs have been tested and approved for Burst and Proof. All of the 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

HAM-LET H-1200 valves are treated with Passivation Cleaning and Packaging (Procedure 8075). Other treatments are available upon request.





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	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
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	21.8	0.85	7.95	0.31	13.5	0.53	65.5	2.57

H-1200 SERIES ORDERING INFORMATION

H - 12 00 - SS - N - 1/8 - S - - - -

OPTIONAL

Valve Series

Valve Type

00	- LET-LOK® Ends
80	- Male NPT Ends
95	- Male to LET-LOK® Ends

Body Material

SS	- 316 SS
B	- Brass

End Connection

L	- LET-LOK®
N	- NPT

Size Designator

3 mm	1/8
6 mm	1/4

Pattern Designator

S	- Straight
A	- Angle

Handle Type

Blank	Black Nylon Handle
RH	Red Nylon Handle
BH	Blue Nylon Handle
YH	Yellow Nylon Handle
GH	Green Nylon Handle
OH	Orange Nylon Handle

O-ring Material

BU	- Buna N
EP	- EPDM
NE	- Neoprene
KZ	- Perfluor

Viton® O-ring is standard

Treatments

BLANK	- Standard Cleaning & Passivation
OC	- Oxygen Clean
LF	- Lubricant Free

SEAL KIT

Z - 1200 - SK - 1/4 - VI

Body Designator per End Connection

1/4 for all ends connections

O-ring Material

VI	- Viton®
BU	- Buna N
EP	- EPDM
NE	- Neoprene
KZ	- Perfluor

HANDLE KIT

Z - 1200 - HK - 1/4 - S

Body Designator per End Connection

1/4 for all ends connections

Handle Type

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 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.

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