INDUSTRIAL EXCESS FLOW VALVES

H-911 SERIES







FEATURES

- Stainless Steel Construction
- MAWP 6000 psi (413 bar)
- MAWT 400°F (204°C)
- Variable connection sizes (1/8 to 1/2" & 6 to 12mm)
- Cv = 0.5; 1.1
- Safety System Shutoff Device

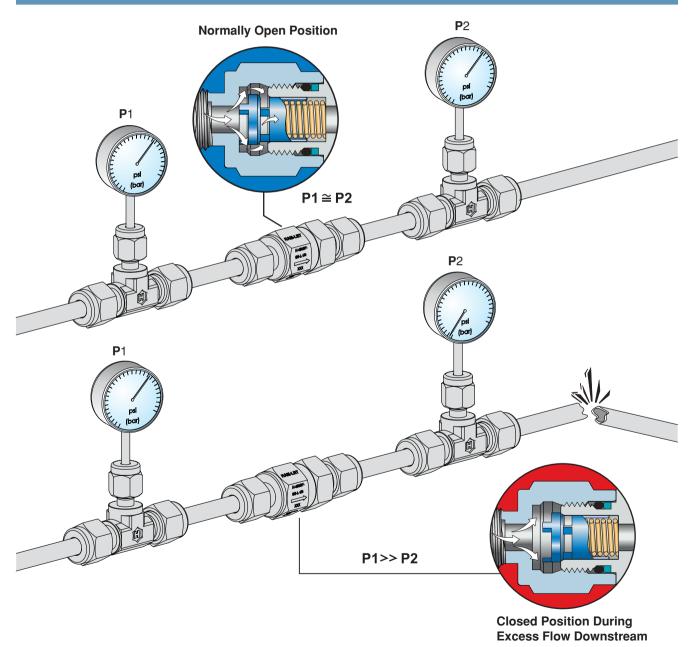
GENERAL

- 1. The poppet is loaded by a spring in a normally open position as long as the system is balanced.
- 2. If the system becomes unbalanced and the downstream pressure drops, the poppet moves towards the sealing area and prevents free, uncontrolled excess flow from the line.
- 3. If the downstream pressure increases, the ventilation outlet ("bleeding") enables the system to balance the pressures and (with the help of the spring) to reset the system. In this situation, the poppet reverts back to Normally Open.

Excellent for Automatic Safety Shutoff in a wide range of areas:

- Fuel systems Toxic Media Systems Gas Systems Valued Media Systems
- Hydraulic & Pneumatic Systems.

OPERATING PRINCIPLE



CLEANING & PACKAGING

HAM-LET H-911 Valves are treated for Passivation, Cleaning and Packaging (Procedure 8075). Oxygen Cleaning and Packaging (Procedure 8055) is available as an option.

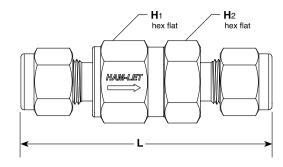
TESTING

The design of the H-911 Valves has been tested for Proof and Burst. Every assembled valve is tested for proper functionality.

Item.			ICTION	
1	Components	Qty.	Valve Body Material	
	Insert	1	St.St.ASTM - 276	
2	Back Up	1	Viton® (Flourocarbon)	
3	O-ring	1	Viton® (Flourocarbon)	
4	Body	1	St.St.ASTM - 276	
5	Spring	1	St.St. 302	
6	Poppet	1	St.St.ASTM - 276	
				4
K			6	
	5 Spring		6 Popi	pet
	Resets the syster		6 Popi	uced from stainless
	Resets the syster to normally open	position wh	6 Popi - Produ en - Enab	uced from stainless s les high flow rates.
	Resets the syster	position wh pressure eq	6 Popi - Produ en - Enab	uced from stainless ste

PRESSURE TEMPERATURE RANGES

- The estimate refers to O-Rings and back up made from Viton®.
- For O-Rings made from other materials see ordering information.
- 5000 psi (344 bar) for the H-911 Series with end connections 3/8 NPT female.
- 4600 psi (316 bar) for the H-911 Series with end connection 1/2 NPT female.



PRESSURE TEMPERATURE RANGES				
Material Name	316 St.St.			
Temperature F° (C°)	Working Pressure, psi (bar)			
-10 (-23) to 100 (37)	6000 (413)			
200 (93)	5160 (355)			
250 (121)	4910 (338)			
300 (148)	4660 (321)			
400 (204)	4280 (294)			

PRESSURE TEMPERATURE RANGES				
O-ring Material	Temperature Rating F° (C°)			
Viton®	-15° to 400 (-26 to 204)			
Buna-N	-40° to 250 (-40 to 121)			
Ethylene propylene	-50° to 300 (-45 to 148)			
Perfloor	-10° to 400 (-23 to 204)			
Neoprene	-40° to 250 (-40 to 121)			

Viton® O-Rings are standard.

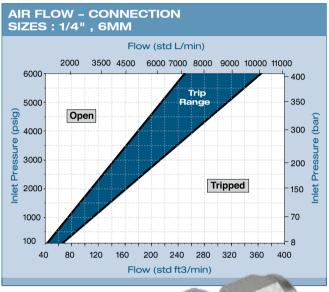
For other O-Ring materials, see ordering information. For O-Ring materials that are not in this table, please consult HAM-LET.

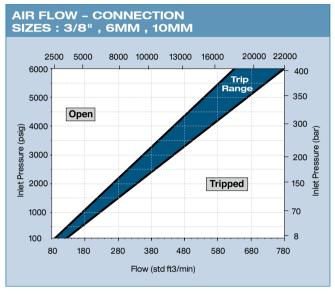
STANDARD	CONFIGU	RATION DIN	/IENS	IONS
End Connection		Dimensions: inch (mm)		
Туре	Size	L	H1	H2
	1/4''	2.43 (61.7)	11/16	11/16
	3/8"	2.75 (69.9)	1	1
	1/2''	2.97 (75.4)	'	
LET-LOK® Tube Fittings	6 mm	2.43 (61.7)	11/16	11/16
Tittings	8 mm	2.70 (68.6)	1	1
	10 mm	2.80 (71.1)	1	1
	12 mm	2.96 (75.2)	'	
	1/8''	1.87 (47.5)	11/16	11/16
Female NPT	1/4''	2.12 (53.8)	1	1
remale NF1	3/8''	2.55 (64.8)	ı	
	1/2''	3.03 (77.0)	1 1/16	1 1/16
	1/8''	1.79 (45.5)	11/16	11/16
Male NPT	1/4''	2.17 (55.1)	11/10	
IVIAIE INFT	3/8''	2.36 (59.9)	1	1
	1/2''	2.73 (69.3)	'	
Male NPT to	1/4''	2.30 (58.4)	11/16	11/16
LET-LOK® Tube	3/8''	3/8" 2.56 (65.0) 1		1
Fittings	1/2''	2.85 (72.4)	'	1
NA-1- 4-	1/4''	2.13 (54.1)	11/16	11/16
Male to Female NPT	3/8''	2.46 (62.5)	1	1
T CITICALC TWI T	1/2''	2.89 (73.4)	1	1 ¹ /16
Male BSPT	1/4''	2.17 (55.0)	11/16	11/16
IVIAIE DOP I	1/2''	2.74 (69.5)	1	1
Female BSPT	1/2''	3.29 (83.5)	1 1/16	1 1/16
Male SAE/MS	1/2''	2.48 (63.0)	1	1
Female SAE/MS	1/2''	2.74 (69.5)	'	ı
Male Face Seal	1/4''	2.28 (57.9)	11/16	11/16
ividie i ace deal	1/2''	2.73 (69.3)	1	1
Male O-Ring	1/4''	1.89 (50.3)	11/16	11/16
Face seal	1/2"	2.36 (59.9)	1	1

Dimensions are for reference only, and are subject to change.

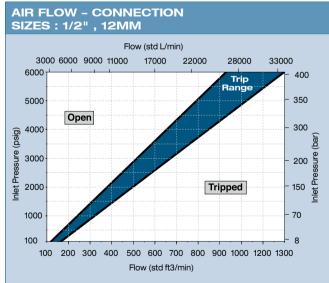
FLOW DATA AT 70°F (20°C)

For springs with other trip ranges, consult Ham-Let representative.

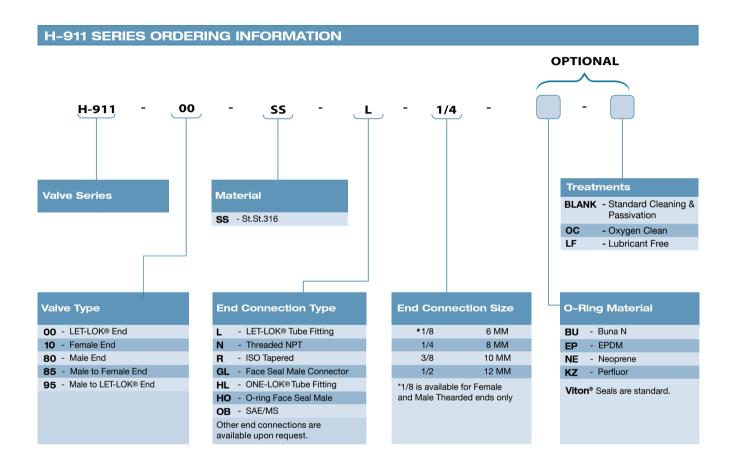








WATER FLOW					
Connection Size		CV	Trip Range U.S. gal/min (L/min)		
	1/8, 1/4, 6mm	0.5	3.9 to 5.8 (14.7 to 21.9)		
	3/8, 8mm, 10mm	1.1	8.2 to 10.0 (31.0 to 37.9)		
	1/2, 12mm		11.2 to 14.9 (42.4 to 56.4)		



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.

