

# HIGH-PRESSURE RELIEF VALVES

H-900HP SERIES



### FEATURES

- St.St. 316 Construction
- MAWT up to 6000 psi
- Set Pressure from 50 psig to 6000 psig ( 3.50 to 414 bar)
- Identifying colored springs for each pressure range
- Replaceable springs for variable pressure ranges
- Available in all pipe threads and LET-LOK® connections
- Option to comply with standards CE/PED
- Sizes range: 1/4", 1/2", 6mm and 12mm

### GENERAL

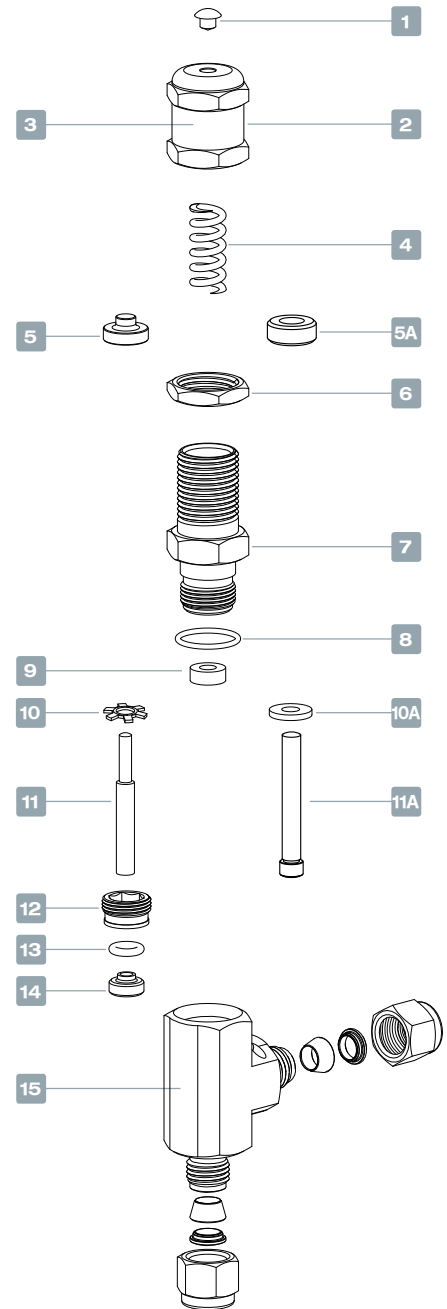
The H-900 HP Series is a relief valve designed for high pressure services. It is most suited for use where changes in pressure can cause process issues, system damage or personal injury.

#### MATERIALS OF CONSTRUCTION

Item No.	Components	Qty.	1/4" Body Size	1/2" Body Size
1	Cap Plug	1	Polypropylene	Polypropylene
2	Label	1	Polyester	Polyester
3	Adjustment Cap	1	St.St 316	St.St 316
4	Spring	1	St.St. 302,17-7PH	St.St. 302,17-7PH
5	Lower Spring Button	1	St.St 316	-
5A	Lower Spring Button	1	-	St.St 316
6	Locking Nut	1	St.St 316	St.St 316
7	Bonnet	1	St.St 316	St.St 316
8	O-Ring	1	Fluorocarbon FKM	Fluorocarbon FKM
9	Quad Ring	1	Fluorocarbon FKM	Fluorocarbon FKM
10	Retaining Ring	1	PH15-7 Mo	-
10A	Location Ring	1	-	St.St 316
11	Stem	1	St.St 316	-
11A	Stem	1	-	St.St. 316 bonded with Fluorocarbon FKM
12	Clamps Screw	1	St.St 316	-
13	O-Ring	1	Fluorocarbon FKM	-
14	Insert	1	St.St 316	-
15	Body	1	St.St 316	St.St 316

#### PRESSURE TEMPERATURE RATING

Series	H-900HP Body Size: 1/4" & 1/2"			
	Fluorocarbon FKM	Buna N	Polychloroprene (CR)	EPDM
TEMP °C (°F)	MAX SET PRESSURE psig (bar)			
-40 (-40)	-	-	-	-
-34 (-30)				
-23 (-10)				
-18 (0)				
-12 (10)				
-4 (25)	6000 (413)	6000 (413)	6000 (413)	-
-1 (30)				
10 (50)				
65 (150)	5600 (386)	5600 (386)	5600 (386)	5600 (386)
93 (200)	5200 (358)	5200 (358)	5200 (358)	5200 (358)
121 (250)	4900 (338)	4900 (338)	4900 (338)	4900 (338)
135 (275)	-	-	4700 (324)	-
148 (300)				





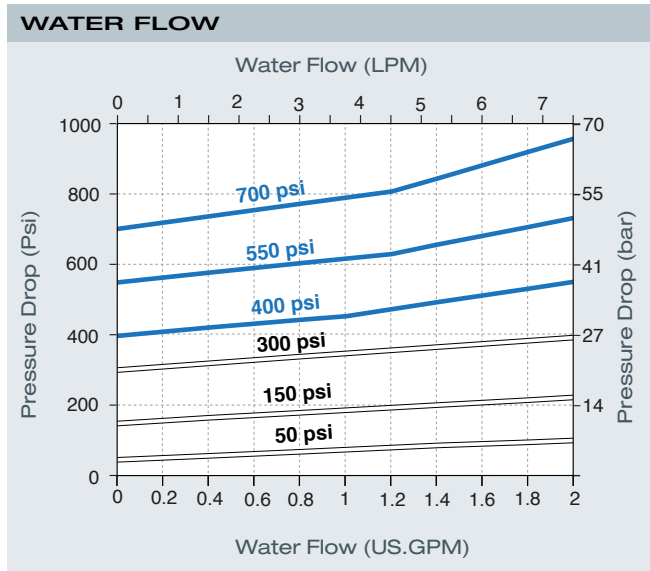
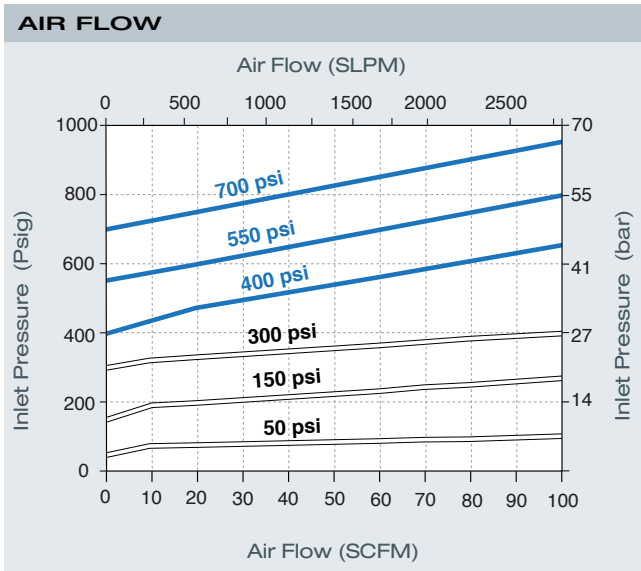
**FLOW DATA AT 70°F (20°C) FOR 1/4" BODY SIZE**



**A**  
**SPRING 50-350psig**



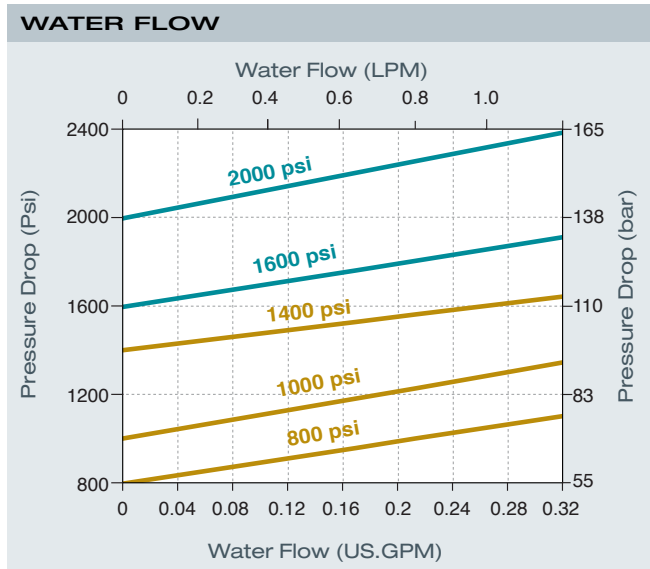
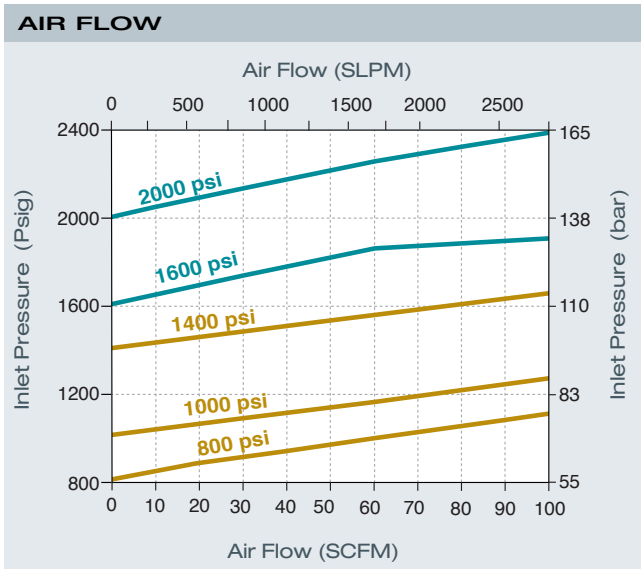
**B**  
**SPRING 350-750psig**



**C**  
**SPRING 750-1500psig**



**D**  
**SPRING 1500-2250psig**



**FLOW DATA AT 70°F (20°C) FOR 1/4" BODY SIZE**



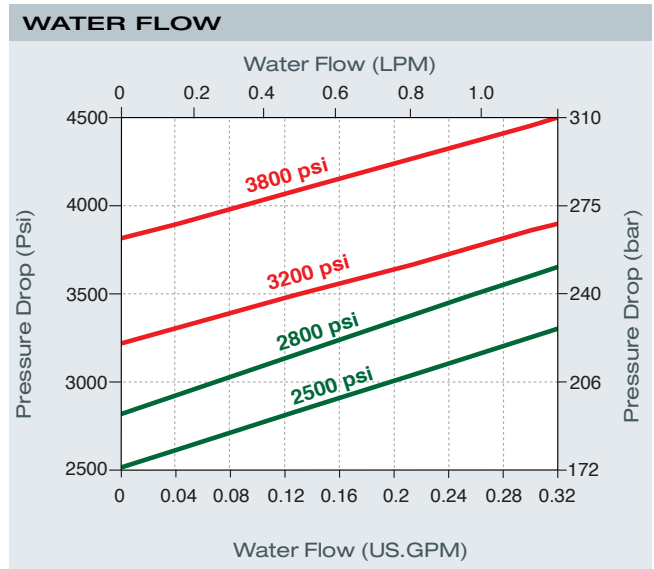
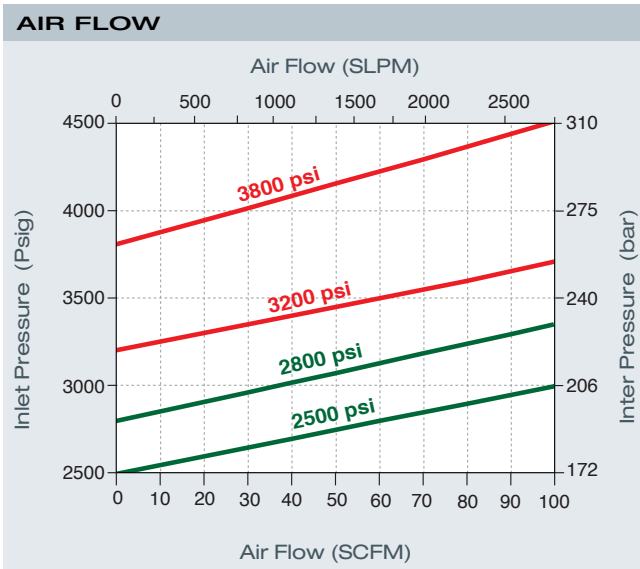
**E**

**SPRING 2250-3000psig**



**F**

**SPRING 3000-4000psig**



**G**

**SPRING 4000-5000psig**



**H**

**SPRING 5000-6000psig**

