

# 2" BY-PASS LIQUID RELIEF VALVE



## 762 7601-2-PVC

**High Pressure** ---- **High Volume**  
 To .... 10,000#                      To .... 210 GPM

### SHOCK ABSORBER CONTROL

Designed for -- Large Volumes -- Smooth and Quiet Operation -- Continuous or Intermittent Operation

**SHOCK ABSORBER:** All relief valves tend to chatter and vibrate at certain pressures and volumes while operating. This By-pass Valve is equipped with an oil filled shock absorber. The dual chambers are connected by a restriction port, to control the rate of movement of the sealing mechanism, during operation.

**DIAPHRAGM ACTION:** The ball is mechanically fastened to the spring keeper. Pressure entering a side opening acts against the keeper seal, which lifts the ball off the seat, thereby giving a smooth, sensitive reaction to pressure change.

**BODY:** 2" Aluminum-Bronze, 316SS or Monel

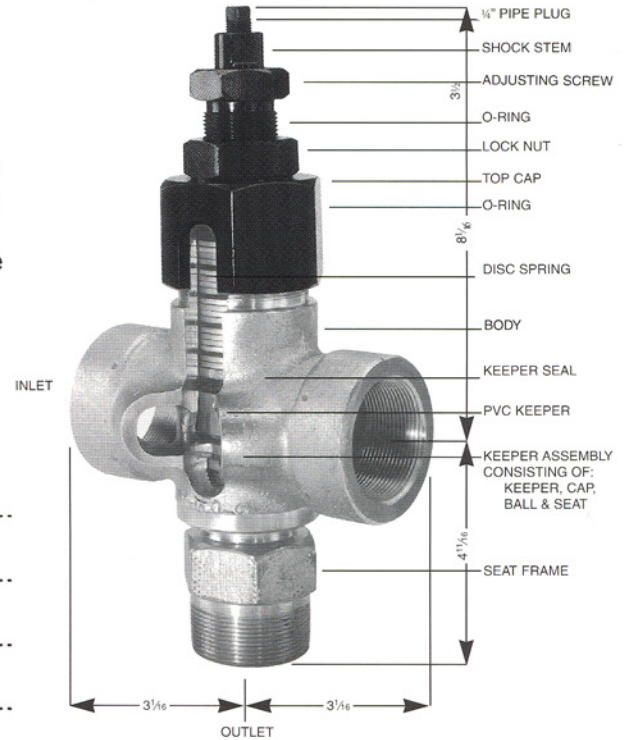
**BALL & SEAT:** Sheralloy® Assembly (Cobalt Base Alloy)

**SPRING:** Disc Spring

**INLET:** 2" Female NPT, 1-1/2" Female NPT or Victaulic

**OUTLET:** 2" Male NPT or Victaulic

**WEEP HOLE:** Any flow from weep hole indicates keeper seal is worn and should be replaced.



**USE ONLY AS DIRECTED**  
 Do not deviate from Manufacturer's recommended pressure ranges and mode of installation.

ALUMINUM-BRONZE PART NUMBER	WORKING PRESSURE RANGE	VOLUME (GPM) AT 25% OVER SET PRESSURE	SPRING ARRANGEMENT AND QUANTITY	SEAT ORIFICE DIAMETER	CAP COLOR CODE
762 7601-2-PVC-LLP	100-400#	15-75	Thin 1 X 1 (19)	1"	White
762 7601-2-PVC-LP	200-1000#	20-105	Reg 1 X 1 (16)	1"	Yellow
762 7601-2-PVC-MP	500-2000#	25-210	Reg 2 X 2 (18)	1"	Green
762 7601-2-PVC-HP	1000-3000#	30-180	Reg 3 X 3 (18)	1"	Red
762 7601-2-PVC-XHP	1500-4000#	20-60	Reg 4 X 4 (20)	1"	Black

BOTTOM INLET (SEE INSTALLATION PARAGRAPH BELOW FOR "SHP" AND "UHP" MODELS)					
762 7601-2-PVC-SHP	1000-8000#	Not Verified	Reg 3 X 3 (18)	1"	Brown
762 7601-2-PVC-UHP	2500-10000#	Not Verified	Reg 3 X 3 (18)	3/4"	Beige

### MATERIAL SPECIFICATIONS:

- Standard valve is Aluminum-Bronze valve.
- Add "316" to part number for 316 Stainless Steel valve.
- Add "MM" to part number for Monel valve.

#### METHODS OF INSTALLATION

All models of the PVC and SOS must be installed as illustrated except for the (PVC) SHP, UHP and the (SOS) SHP.

These two specials must be hooked up using the Male thread for the Inlet as shown on page 3.

