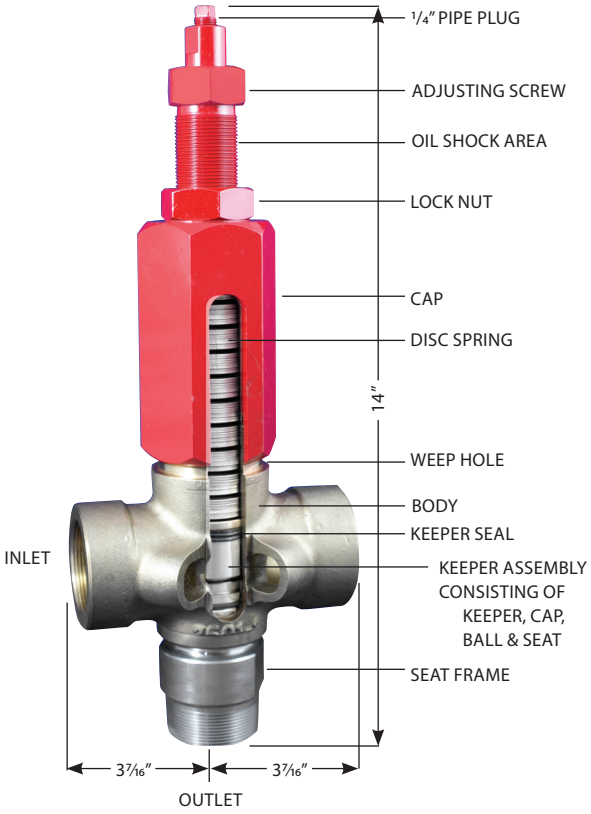
2" BY-PASS LIQUID RELIEF VALVE

762-7601-2-S0S

Highest Pressure ---- **Highest Volume**

To ---- 5,000# To ---- 320 GPM



USE ONLY AS DIRECTED

Do not deviate from Manufacturer's recommended pressure range and mode of installation

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

Body: 2" Aluminum-Bronze or 316SS

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.

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-SOS-LLP	150-400#	5-200	Thin 1 X 1 (45)	1-1/4"	White
762-7601-2-SOS-LP	250-1000#	15-260	Reg 1 X 1 (36)	1-1/4"	Yellow
762-7601-2-SOS-MP	500-2000#	45-320	Reg 2 X 2 (42)	1-1/4"	Green
762-7601-2-SOS-HP	1000-3500#	90-250	Reg 3 X 3 (45)	1-1/4"	Red

BOTTOM INLET	(SEE INSTALLATION PARAGRAPH BELOW FOR "SHP" MODEL)				
762-7601-2-SOS-SHP	1000-5000#	Not Verified	Reg 3 X 3 (45)	1-1/4"	Brown

MATERIAL SPECIFICATIONS:

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