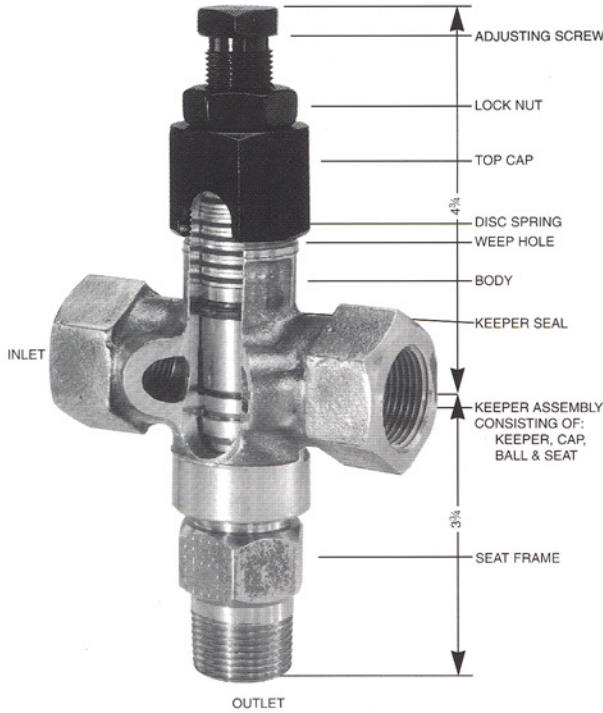


# 1" BY-PASS LIQUID RELIEF VALVE (Tied Ball)



761 7601-1-TB

Medium Pressure ---- Diaphragm Action ---- Medium Volume  
To .... 3500# To .... 55 GPM



This valve was designed for pumping through one side and out the other with a built in relief. By tying the ball to the keeper, the over-pressure simply lifts the whole spring assembly with a diaphragm action allowing relief out the bottom.

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

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

**SPRING:** Disc Spring

**INLET:** 1" Female NPT

**OUTLET:** 1" Male NPT or 3/4" Male NPT

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

**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
761 7601-1-TB-LLP	50-200#	8.40	Thin 1 X 1 (17)	.625	White
761 7601-1-TB-LP	100-1000#	15.45	Reg 1 X 1 (15)	.625	Yellow
761 7601-1-TB-MP	500-1500#	15.55	Reg 2 X 2 (18)	.625	Green
761 7601-1-TB-HP	1000-2000#	15.45	Reg 3 X 3 (18)	.625	Red
761 7601-1-TB-XHP	1500-3500#	Not Verified	Reg 4 X 4 (20)	.625	Black

**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 →**

