



STYLE 59 INTAKE PRESSURE RELIEF VALVE INSTALLATION INSTRUCTIONS AND PARTS LIST

The Akron Style 59 Intake Pressure Relief Valve is designed to relieve pressure for between 75 and 300 psi as shown in the table below.

Part Number	Maximum Operating Pressure		Minimum Operating Pressure	
00591xxx	300 psi	21 bar	75 psi	5 bar

The unit is preset at the factory at 125 psi (8.8 bar).

PRODUCT WARNINGS

- ⚠ WARNING:** The maximum operating pressure is shown in the table above.
- ⚠ WARNING:** The outlet must be vented through the discharge in order for the relief valve to operate properly.
- ⚠ WARNING:** Ensure the relief valve discharge is directed away from personnel. A high water discharge flow has the potential to cause injury.
- ⚠ CAUTION** The Akron Brass Pressure Relief Valve has been developed for firefighting use mounted to a fire pump intake. Do not alter or attempt to use in other applications.

INSTALLATION

This Intake Relief Valve is designed for flange mounting to the side of a pump intake. Two bolt circle mountings as shown below are available.

- 4-³/₈ Bolt circle with 4 bolt holes for Hale, Waterous and American LaFrance Pumps
- 4-¹⁹/₃₂ Bolt circle with 4 holes for Darley Pumps.

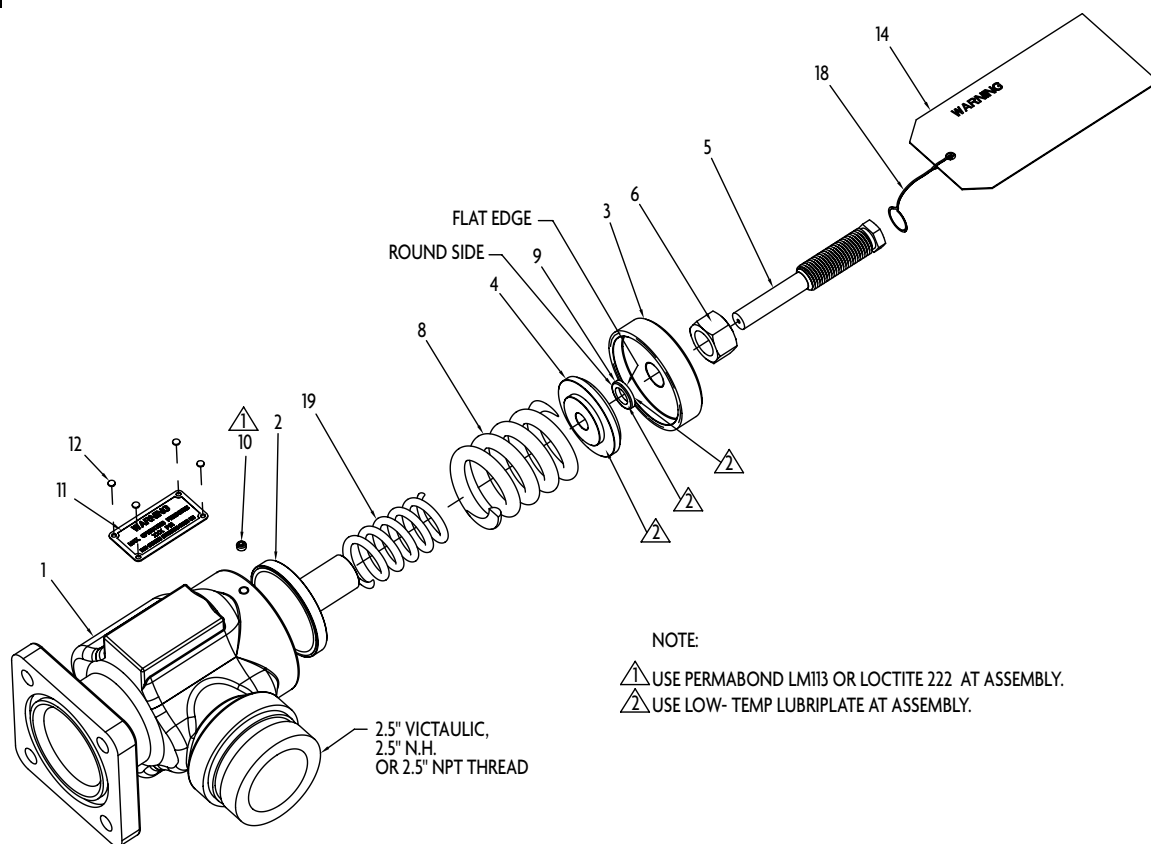
ADJUSTMENTS

To set the Relief Pressure:

1. Loosen the Jam Nut (#6) by turning it counter-clockwise until it is loose.
2. The Guide Pin (#5) will have to be adjusted to set the pressure for the valve. Each turn clockwise will add approximately 25 psi (1.73 bar) to the setting and each turn counter-clockwise will reduce approximately 25 psi (1.73 bar) from the setting. Example: 3 turns will increase the setting from 50 psi (3.45 bar) to 125 psi (8.63 bar).
3. Flow water through the pressure relief valve to verify the valve relief pressure. Minor adjustments may have to be made to the Guide Pin (#5) to set the desired relief pressure.
4. Retighten the Jam Nut (#6).

- ⚠ CAUTION:** DO NOT ATTEMPT TO ADJUST OR REMOVE THE SCREW (#10) OR CAP (#3). INJURY MAY OCCUR DUE TO SPRING FORCE. RETURN TO FACTORY FOR REPAIR.

Figure 1



STYLE 59 PARTS LIST

Item No.	Description	Part Number	Quantity 00591XXX
1	Body 4-3/8" B.C. 2-1/2 (VIC)	118441	1
1	Body 4-3/8" B.C. 2-1/2 (NPT)	118442	1
1	Body 4-3/8" B.C. 2-1/2 (NH)	118439	1
1	Body 4-19/32" B.C. 2-1/2 (VIC)	118440	1
1	Body 4-19/32" B.C. 2-1/2 (NPT)	118443	1
1	Body 4-19/32" B.C. 2-1/2 (NH)	118438	1
2	Poppet	116993	1
3	Cap	116994	1
4	Spring Retainer	123371	1
5	Guide Pin	744393	1
6	Jam Nut	735053	1
8	Spring	768268	1
9	Thrust Washer	784234	1
10	Screw	765008	1
11	Warning Label	729650	1
12	Nail Grip	736052	1
14	Warning Tag	773331	1
18	Twist Tie	773084	1
19	Spring	768427	1
Not Shown *	Socket Head Screw	765207	4
Not Shown *	Hex Head Screw	761024	4
Not Shown *	O-RING	757003	1

* Hardware used for mounting



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