

### Installation And Operating Instructions

#### Description:

This is a High Flow hydraulic pressure relief valve having a factory set or field-adjustable set point. The valve is designed to work with hydraulic oil-based media. This valve is not intended for water or steam-based applications. Standard wetted materials include stainless steel, ductile iron, steel and Buna-N.

#### Caution:

The recommendations below are general and it is the responsibility of the user to assure that installation and maintenance are in accordance with local requirements and ASME practices. This valve should be installed by a trained service person. A media filter should be in the system to protect the valve. Neither Barksdale nor its agents assume any liability for valves improperly used in the application or improperly installed and maintained.

#### Installation:

**Mounting:** Valve shall be mounted in a vertical position and connected in the flow direction shown by the arrow. Use wrench flat 1 5/8 inch to secure valve to pipe line.

**Piping:** Support with adequate piping in order to avoid excessive shock and vibration. Valve inlet is 3/4" NPT male and the outlet is 3/4" NPT female. It is recommended that a minimum of 1/2" pipe size to be used for the inlet and the outlet connection.

Ambient Temperature: -40°F to 200°F

#### Operating Pressure Range (PSIG):

Adjustable Range Code	Pressure Range (psi)	Tolerance ± (psi)
-2	500 - 1500	150
-3	1600 - 3500	350
-4	3600 - 5500	550

#### Field Adjustment of Relief Pressure Set Point:

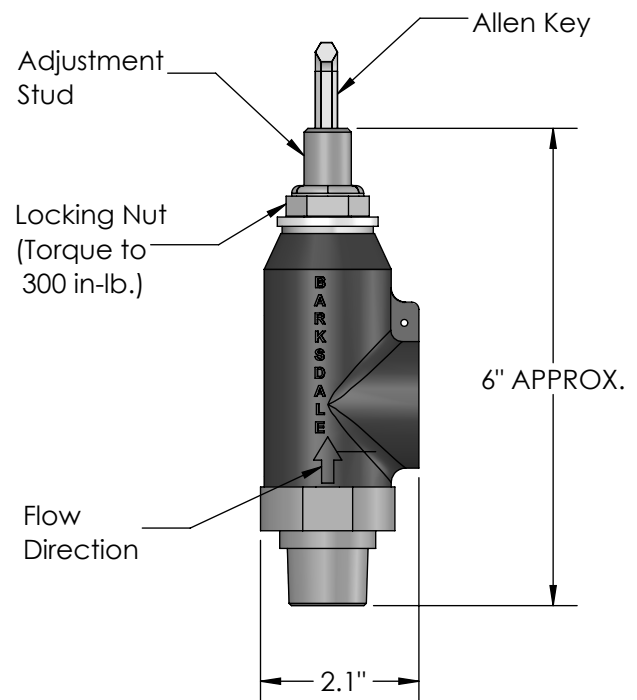
#### 1. Tools Required:

- Allen key 5/16 inch
- Torque wrench
- Open end wrench 15/16 inch

#### 2. Adjustment Procedures:

- Use 15/16 inch open end wrench to loosen locking nut by turning it counter clockwise (CCW).
- Insert Allen key to top of adjustment stud and rotate it counter clockwise (CCW) to decrease set pressure. Turn it clockwise (CW) to increase set pressure.
- Re-tighten anti-vibration locking nut firmly against flat valve body and torque with a torque wrench to 300 in-lb.

**Caution:** Failure to torque locking nut to specified value can cause malfunction, failure of relief pressure, or injury.



#### For service or ordering information:

Consult factory or authorized factory representative. Specify full catalog number (with any optional modification) and factory set point.