



# Purchase Specification

## Model No. CRL & 55F PRESSURE RELIEF VALVE

### Function

The Pressure Relief Valve shall be limited-volume pressure relief valves. They shall be hydraulically or pneumatically operated, diaphragm actuated, direct acting, spring loaded, adjustable, normally closed, globe style valves, designed to permit flow when pressure exceeds the spring setting.

### Description

It shall have a separate pressure sensing chamber under the diaphragm which is independent of the flow and pressure in the valve body. Pressure from a remote point directed to this chamber shall provide the signal source to which the valve responds.

The valve shall relieve excess up stream pressure whenever pressure at the port to the sensing chamber exceeds the spring setting. It shall operate in any position. The valve shall be equipped with a single removable stainless steel seat and a resilient sealing disc molded into a replaceable metal retainer. The adjusting spring shall be positioned top and bottom by self centering retainers.

Standard materials in contact with the operating fluid shall be brass or stainless steel. Seals shall be of Buna-N. The diaphragm shall be Buna-N elastomer bound to a close woven nylon fabric reinforcement. External packing glands are not permitted. A threaded cap shall protect the adjusting screw and jam nut. Provision shall be provided for the securing of the protecting cap with a seal wire to discourage unauthorized changes to the setting.

### Material Specification

Valve Size:

Body and Cover:

Trim:

Rubber Material:

Adjustment Range:

This valve shall be a Cla-Val Co. Model No. CRL & 55F Pressure Relief Valve, as manufactured by Cla-Val Co., Newport Beach, CA 92659-0325.