



# Purchase Specification

**Model No. CRA**

**REMOTE SENSING, PRESSURE REDUCING CONTROL**

## Function

The Remote Sensing, Pressure Reducing Control shall be a low volume pressure reducing valve specifically designed to respond to pressure signals from a remote location. It shall be direct-acting, adjustable, spring-loaded, normally open diaphragm valve, designed to permit flow when controlled pressure is less than the spring setting.

## Description

It shall have a separate control pressure 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 single source to which the valve responds. The valve shall maintain a constant downstream pressure within close limits regardless of varying inlet pressure.

Body porting provisions shall provide for either straight through or 90 degree angle installation. It shall operate in any position. The valve shall be equipped with a stainless steel seat and a resilient sealing disc molded into a renewable holder. The disc assembly shall be threaded into a retainer-stem assembly. This assembly shall be aligned by a guide plug installed in the bottom of the body and by the diaphragm on the top. The diaphragm center hole shall fit snugly to the stem. The diaphragm shall be supported by a large diameter stainless steel washer which shall be secured with a stainless steel constant tension washer and a stainless steel nut. A threaded cap shall protect the adjusting screw and jam nut. Provisions shall be provided for the securing of the protecting cap with a seal wire to discourage unauthorized changes to the setting.

Disassembly and re-assembly shall be easily accomplished for maintenance and repairs.

## Material Specification

Body and Cover:

Trim:

Rubber Material:

Adjustment Range:

This valve shall be a Cla-Val Co. Model No. CRA Pressure Reducing Control, as manufactured by Cla-Val Co., Newport Beach, CA 92659-0325.