

Purchase Specification

Model No. 210GE-01KCOS / NG1E210-01KCOS

ALTITUDE VALVE – For One Way Flow

Sizes

Screwed: 1 ¼", 1 ½", 2", 3" - Flanged: DN40 – DN1000

Function

This valve shall control the high water level in reservoirs without the need for floats or other devices. It shall be a non-throttling type valve and remain fully open until the "shut-off" point in the reservoir is reached. This valve is designed for one-way flow only.

Main Valve

The valve shall be hydraulically operated, single diaphragm-actuated, globe or angle pattern. The valve shall consist of three major components: the body, cover and the diaphragm assembly. The diaphragm assembly shall be the only moving part and shall form a sealed chamber in the upper portion of the valve, separating operating pressure from line pressure.

Packing glands and/or stuffing boxes are not permitted and there shall be no pistons operating the main valve or pilot controls. No hourglass-shaped disc retainers shall be permitted and no V-type or slotted type disc guides shall be used. The valve shall contain a resilient, synthetic rubber disc, with a rectangular cross-section contained on three and one-half sides by a disc retainer and forming a tight seal against a single removable stainless steel seat insert.

The diaphragm assembly containing a non-magnetic 303 stainless steel stem shall be fully guided at both ends by a Stainless steel bearing in the valve cover and an integral bearing in the valve seat. No centre guides shall be permitted.