

Purchase Specification

Model No. 136GE-01KCOS / NG1E136-01KCOS

ON / OFF ELECTRONIC CONTROL VALVE

Sizes

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

Function

The 136GE-01 / NG1E136-01 hydraulic control valve is an on / off control valve which either opens or closes upon receiving an electrical signal to the solenoid pilot control. The pilot system shall consist of a single solenoid which alternately applies pressure to or relieves pressure from the diaphragm chamber of the main valve. The valve shall be arranged either normally closed (energize solenoid to open) or normally open (energize solenoid to close). All solenoids to have IP67 protection with a manual operator, available voltages 24,110,230 volt AC or 24 volt D.C.

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.