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Flow Control Valve – Diaphragm Type

Description

Flow Control Valve is ideal for limiting the flow to a pre-determined maximum (via maintaining a continuous pressure differential across an orifice).

When the pressure differential is less than the set-point, the valve opens, allowing flow to meet pre-determined demand. At the desired maximum set-point, the pilot reacts to small changes in sensing pressure and controls the main valve position by modulating the pressure.

When the pressure drop across the orifice exceeds the set-point, the valve closes slightly, limiting the flow to the pre-set maximum. Adjusting the pilot setting permits the maximum flow to be changed in the field above or below the original point.

Features

- ✓ Accurately limits flow to a pre-set maximum
- ✓ Easily adjustable flow limit
- ✓ Paddle-style orifice plate included
- ✓ Optional orifice plate housing

Typical Applications

- ✓ Isolation valve
- ✓ Storage Tank
- ✓ Standard paddle style orifice plate
- ✓ Install between downstream flanges and connect pilot sensing to downstream tap in pipeline
- ✓ Completed in field by others

Technical Specifications

- ✓ Valve Body Type : Globe Type/ Angle Type
- ✓ Body : Ductile Iron ASTM A 536
- ✓ Bonnet : Ductile Iron ASTM A 536
- ✓ Available Sizes : 50mm – 1000mm
- ✓ Stem : Stainless Steel 316
- ✓ Seat Ring : Stinless steel 316
- ✓ Diaphragm : EPDM
- ✓ Strainer : Brass
- ✓ Flow Limiting Pilot : Brass/Stainless Steel
- ✓ Stabilizer : Brass/Satinless Steel
- ✓ Orifiece Plate : Stainless Steel
- ✓ Tubing & Fittings : Copper, Brass,Stainless Steel
- ✓ Pressure rating : PN10,PN16,PN25
- ✓ Coating : Non Toxic Epoxy