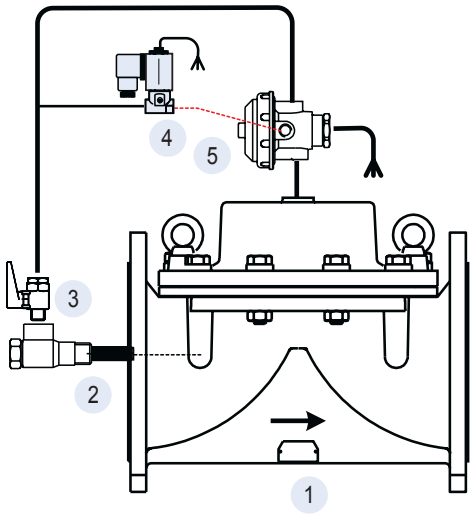
DOROT S100-EL

Aquestia
Directing the Flow

Solenoid Controlled Valve



Description

A 3-way solenoid valve, activated by an electric current or an electric pulse, opens or closes the main valve.
The standard valve is supplied in the “normally closed” position. The “normally open” position is optional.
Electric activation can be added to other control applications on request.

Features

- Low power electric activation
- Fast response
- Simple and reliable design
- Can be added as electric over-ride to any other control function

Purchase Specifications

The valve will be hydraulic, direct sealing diaphragm type, which allows inline maintenance. No stem, shaft or guide bearing will be located within the water passage. The valve will be activated by the line pressure or by an external hydraulic or pneumatic pressure. The valve position will be controlled by an electric solenoid valve. The valve and the controls will be a Dorot Series 100 valve or similar in all aspects.

Quick Sizing

- Valve size same as line or one size smaller
- Maximum flow speed for continuous operation 5.5 m/sec (18 ft/sec)

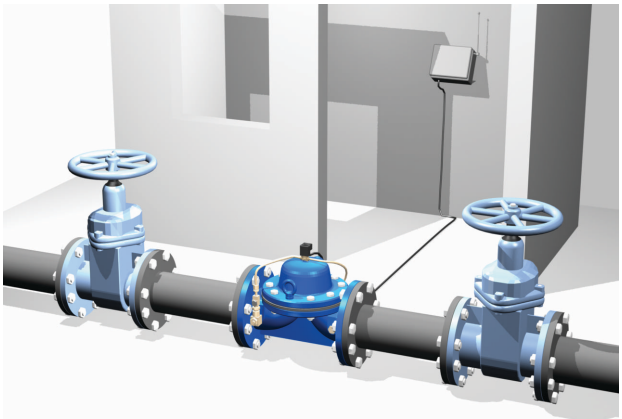
Design Considerations

- The valve should be suited for the maximal flow and allowed headloss
- Prefer selection low pressure diaphragms when the valve is expected to stay in open position for long periods
- The valve can be opened by the electric command (NC) or closed by it (NO). The definition refers to the main valve operation and not the solenoid’s characteristics

Optional Control System Components:

1. Main Valve
2. Self-flushing filter
3. Cock valve*
4. 3/2 Solenoid valve
5. Accelerator relay (optional for valves larger than 150mm/6”)

* Optional component



Typical Application

Dorot Solenoid Controlled valve, controlled by a local controller.