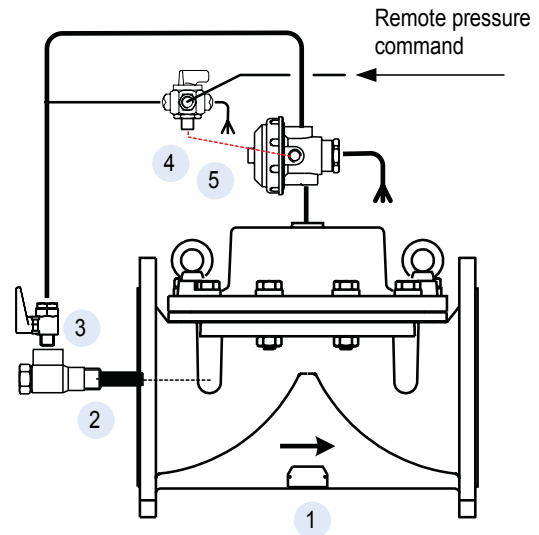


## RC Hydraulic Remote Controlled Valve



### Description

A 3-way relay valve, activated by hydraulic or pneumatic pressure command, opens or closes the main valve. The standard valve is supplied in the "normally closed" position. The "normally open" position is optional. Hydraulic activation can be added to other control applications on request.

### Features

- Fast response even for long control lines
- Simple and reliable design
- Can be added as pressure command 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 a hydraulic relay. 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 pressure command (NC) or closed by it (NO). The definition refers to the main valve operation and not the relay's characteristics

### Optional Control System Components:

- 1 Main Valve
- 2 Self-flushing filter
- 3 Cock valve\*
- 4 Manual over-ride selector valve\*
- 5 Accelerator relay (other types are optional)

\* Optional component



### Typical Application

Dorot Hydraulic Remote Controlled Valve, activated by a remote pressure command.