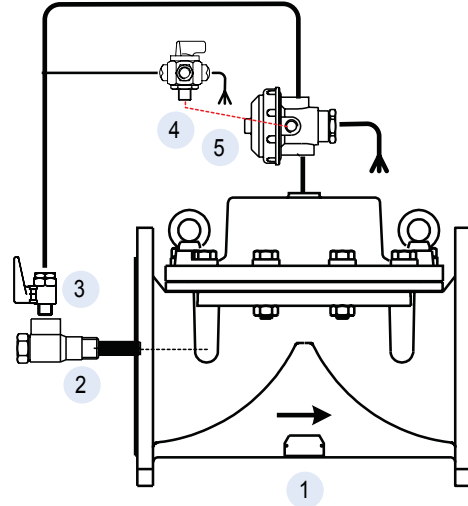


## M Manually Controlled Valve



### Description

The valve is controlled manually by a three port selector that allows the user to select the closed, opened or remote-controlled position of the valve. The control is effected effortlessly and quickly, even under high pressure conditions

### Features

- Effortless open/close activation
- Fast response
- Clog-free operation
- Can be added as manual over-ride to any other control function

### Purchase Specifications

The valve will be a 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 hand operated selector 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)

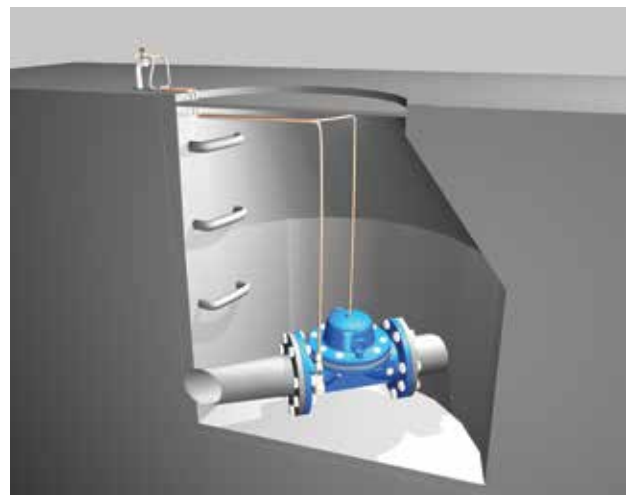
### Design Considerations

- The valve should be suited for the maximal flow and allowed headloss
- Preferred selection of low pressure diaphragms when the valve is expected to stay in open position for long periods

### Optional Control System Components:

- 1 Main Valve
- 2 Self-flushing filter
- 3 Cock valve\*
- 4 3-way selector valve
- 5 Accelerator relay (optional for valves larger than 150mm/6")

\* Optional component



### Typical Application

Dorot Manually controlled valve installed in an underground, flooded pit. Manual activation is enabled from top by the selector valve.