

Dorot valve - Control options



- 29 - 100 Black Mini pilot 3 Way
Pressure reducing



- 29 - 200 Blue Mini pilot 3 Way
Pressure reducing or sustaining



- 31 - 300 3 Way
Pressure reducing or sustaining



- 68 - 410 2 Way
Pressure reducing



- 68 - 500 2 Way
Pressure sustaining or relief



- Galit Hydraulic
Relay



- Electric Solenoid
Coil and base
12VDC, 24VAC, options



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Dorot Automatic control valves



**75 Series
Nylon**



**95/96 Series
PVC**



**47/91 Series
Cast Iron, Bronze**



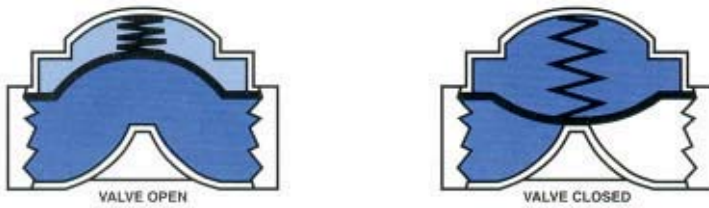
Features:

- Gal valves are direct-sealing diaphragm valves made from nylon, PVC, cast iron and bronze
- Structural simplicity
- Superb hydraulic performance
- Wide range of control options
 - Hydraulic
 - Electric
 - Pressure reducing
 - Pressure sustaining
 - Pressure relief
- Minimum maintenance - maximum dependability
- Threaded or flanged connection
- Solvent weld joint - 96 series



Dorot Valve Principles of Operation

Principle of Operation

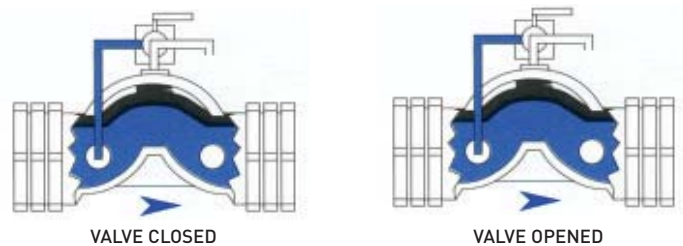


Hydraulic Characteristics

Principle of Operation

3-Way Control

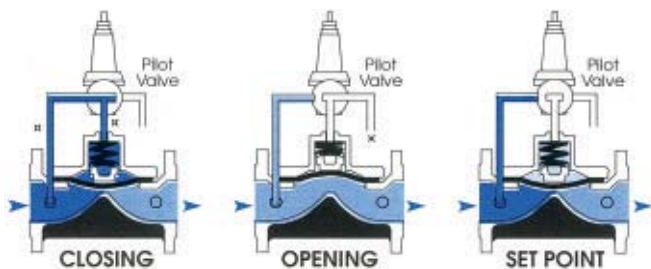
This control device admits pressure into the control chamber, closing the valve, or relieves pressure to the atmosphere, fully opens the valve.



Two Control Modes are supplied:

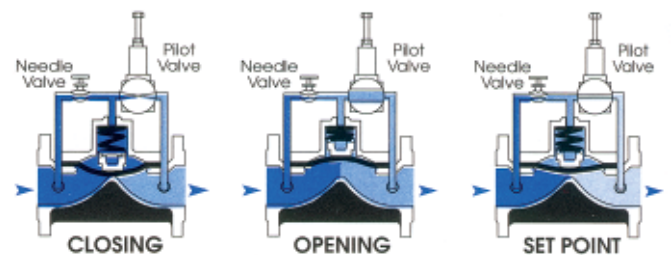
Three-way mode

The pilot valve is a selector, activated manually, electrically or hydraulically, venting the control chamber of the main valve to the atmosphere, allowing full opening.



Two-way mode

The pilot valve is a modulating, hydraulically operated type, venting the main valve control chamber to downstream, allowing partial opening only. This control mode is selected when permanent pressure loss is tolerated.



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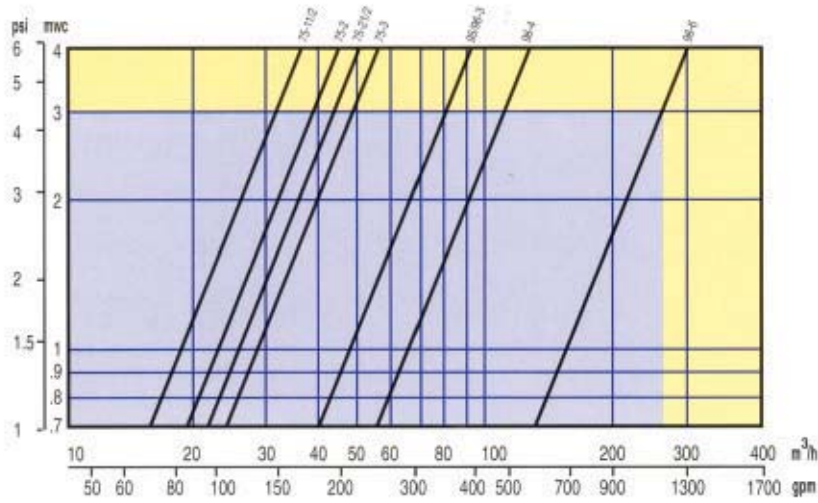
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Dorot Valves Head Loss Data

75, 95, 96 Series

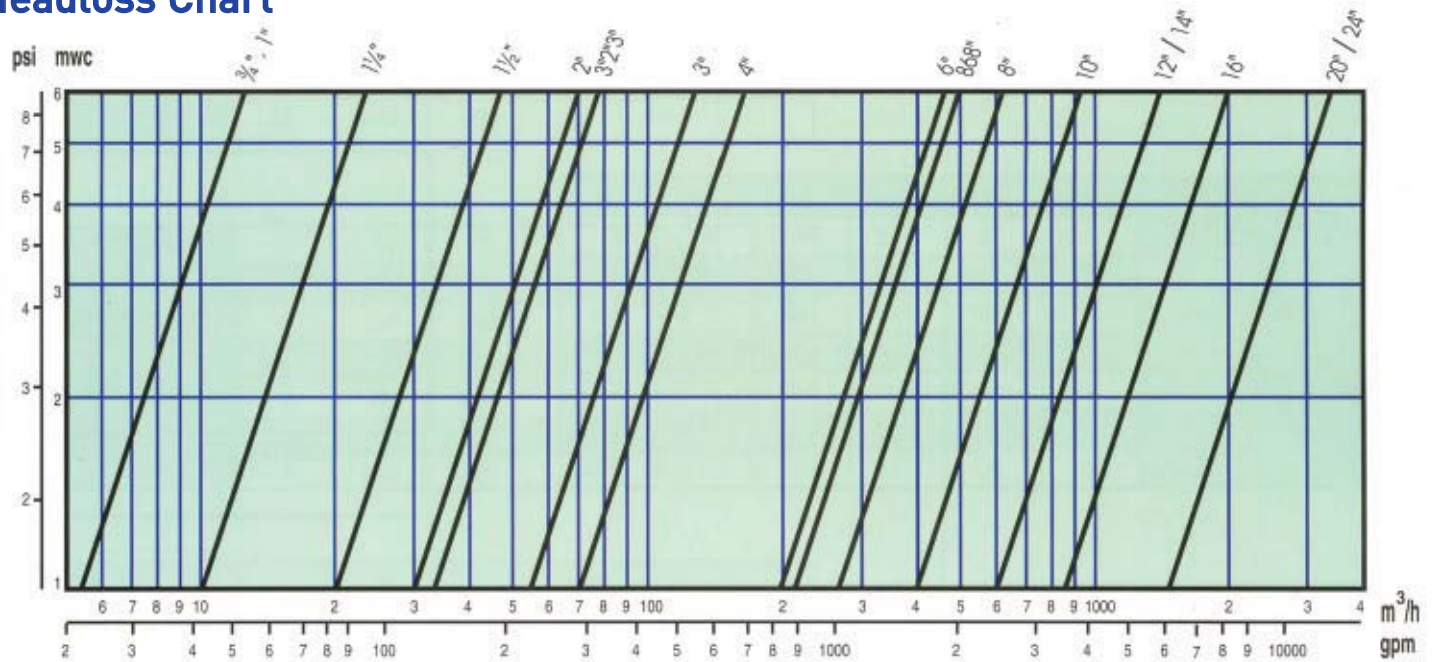
Headloss Chart

(Blue area indicates recommended operating range)



45, 47 Series

Headloss Chart



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