

Resilient Seated Integral Bypass Gate Valves - Figure 500

DN600 with DN150 Bypass



Figure 500 resilient seated gate valves are designed and manufactured to AS 2638.2.

General Application

A bypass valve is utilised:

- When filling a pipeline to minimise risk of structural damage to its components and/or
- To reduce operating torque when opening the large valve by equalising pressure across the gate.

Figure 500 resilient seated gate valves are suitable for use with drinking water and waste water, in below or above ground applications. Used for the isolation of sections and branches in pipelines.

Operation

- To open: open bypass valve first, before opening main valve.
- To close: close main valve first followed by bypass valve.

Features

- DN150 bypass for faster line filling.
- Ductile Iron body and bonnet for high strength and impact resistance.
- Ductile Iron Gate fully encapsulated in EPDM rubber to ensure drop tight seal.
- Thermally bonded polymeric coating for long life corrosion protection.
- **DN150 Bypass Valve Flange Gaskets:** PN16 Solid EPDM Rubber
PN25 Compressed Fibre TEADIT
NA1000.
- **DN150 Bypass Valve Bolts, Nuts & Washers:** 316 Stainless Steel.

Technical Data

Size Range: DN600/DN150 Bypass

Allowable Operating Pressure:

1600 kPa or 2500 kPa

Maximum Temperature: 40°C

End Connections: Flanged to AS 4087
Fig B5 or Fig B6.

Additional Information

The Resilient Seated Gate Valve - Fig 500 Datasheet should be provided in conjunction with this Bypass datasheet as a source of additional information on valves.

