

Ductile Iron Gate Valve

BS5163 - PN16 Model WP4000

Flow Control Equipment for Fluids

- Body of high quality Ductile Iron material.
- Valve fusion bonded with high quality epoxy coating internally and externally.
- Valve manufactured to BS 5163 : 1986 standard.
- Flanged end connections machined to BS EN 1092-2 : 1997 – PN16 standard.
(other standards available on demand)
- Pressure-tested up to 25 bar (body).
Pressure-tested up to 17 bar (seat).
- Suitable for potable water, steam, air, gas and oil.



| Design | Parts | Materials |
|--------|------------------|--|
| | Body | Ductile Iron (epoxy fusion bonded) |
| | Bonnet | Ductile Iron (epoxy fusion bonded) |
| | Gland Flange | Ductile Iron (epoxy fusion bonded) |
| | Stem | Stainless Steel 304 |
| | Stem Seal Box | DZR Brass |
| | Thrust collar | DZR Brass |
| | Wedge | Ductile Iron encapsulated with EPDM rubber |
| | Wedge Guide | DZR Brass |
| | Hand Wheel / Cap | Ductile Iron (epoxy fusion bonded) |

Dimensions and Operating Parameters

| Size | mm | 50 | 65 | 80 | 100 | 150 | 200 | 250 | 300 | 350 | 400 |
|--------------------------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| | inch | 2 | 2½ | 3 | 4 | 6 | 8 | 10 | 12 | 14 | 16 |
| L (mm) | | 178 | 190 | 203 | 229 | 267 | 292 | 330 | 356 | 381 | 406 |
| H (mm) | | 279 | 285 | 315 | 350 | 450 | 563 | 645 | 725 | 780 | 890 |
| H ₁ (mm) | | 350 | 375 | 415 | 450 | 560 | 673 | 755 | 840 | 900 | 1020 |
| D (mm) | | 165 | 185 | 200 | 220 | 285 | 340 | 405 | 460 | 520 | 580 |
| Weight (kg) | | 13 | 15 | 20 | 30 | 55 | 85 | 137 | 183 | 230 | 300 |
| Working Pressure (bar) | | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| Working Temperature (°C) | Max. 70 / 130 for nitrile rubber wedge / EPDM rubber wedge | | | | | | | | | | |

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