

Resilient Seated Gate Valve – BS5163 (Type B)

PN16 Temp 0°C to 70°C DN50 to DN300

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- Wedge ductile iron EN-GJS-450-10 encapsulated with EPDM
- Ductile iron body & bonnet – Coated 250 µm FBE
- POM Guide for smooth operation
- Flange in accordance to BS EN 1092-2, PN16
- Series 3 according to EN 558-1
- Suitable for drinking water, neutral liquids & treated sewage up to 70°C
- Suitable for Horizontal or vertical pipelines
- Available with cap top or handwheel operation
- ISO 5210 Flange version available
- Available Clock or Anti-Clock Close



Technical information

WRAS approved materials
for use with potable water

WRAS Approved Materials

Manufacture

BS EN ISO 9001:2015 QMS

Design Standard

EN 1074 part 1 & 2
EN 1171 Cat 3 & 4
BS5163-pt 1, Type B
F/F EN558 Series 3
Tested to EN 12266-1 Rate A

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Materials List

| No. | Name | Material |
|-----|------------------|---|
| 1 | Body | Ductile Iron EN-GJS-450-10 |
| 2 | Bonnet Gasket | EPDM 70 |
| 3 | Bonnet | Ductile Iron EN-GJS-450-10 |
| 4 | Nut | Copper Alloy HMn62-3-3-0.7 |
| 5 | Support Bush | Copper Alloy HMn62-3-3-0.7 |
| 6 | Gland Housing | Ductile Iron EN-GJS-450-10 |
| 7 | Packing Ring | PTFE |
| 8 | Dust Seal | NBR 70 |
| 9 | Stem | Stainless Steel 1.4021 (SS420) |
| 10 | Wedge | Ductile Iron EN-GJS-450-10 with EPDM 70 |
| 11 | Guide | POM |
| 12 | O Ring | NBR 70 |
| 13 | O Ring | NBR 70 |
| 14 | O-Ring | NBR 70 |
| 15 | Fastener | Stainless Steel A2-70 |
| 16 | Fastener | Stainless Steel A2-70 |
| 17 | Fastener Sealing | Hot Melt |
| 18 | Lifting Eye | Stainless Steel |
| 19 | Cap Top | Ductile Iron EN-GJS-450-10 |
| 20 | Hand Wheel | Coated Steel |

Dimensions table

| DN (mm) | L (mm) | H (mm) | H1 (m) | Stem Size (mm) | Hand wheel Ø (mm) | No. of Turns | Weight kg |
|---------|--------|--------|--------|----------------|-------------------|--------------|-----------|
| 50 | 178 | 287 | 75 | 15.3 | 180 | 13 | 12 |
| 65 | 190 | 314 | 85 | 15.3 | 180 | 17 | 14 |
| 80 | 203 | 367 | 95 | 19.3 | 200 | 7 | 19 |
| 100 | 229 | 399 | 102 | 19.3 | 200 | 9 | 21 |
| 125 | 254 | 498 | 125 | 19.3 | 300 | 11 | 33 |
| 150 | 267 | 544 | 134 | 19.3 | 300 | 13 | 39 |
| 200 | 292 | 658 | 165 | 19.3 | 300 | 18 | 65 |
| 250 | 330 | 773 | 196 | 27.3 | 400 | 22 | 91 |
| 300 | 356 | 873 | 225 | 27.3 | 400 | 26 | 140 |

Utilities Valves reserves the right to change product design and specification without notice.

Please Note:
Lifting Eyes (Item 18) on DN200 to DN300 Only
Flange dimensions BS EN 1092-2, PN16

