

Metal Seat Swing Check Valve

T-T Flow
Valves



Figure 2200

Metal seat swing check valve used to prevent reverse flow.

Suitable for potable water, wastewater and sewage applications.

Features

- Unique lightweight ductile iron design
- WRAS approved non-metallic components
- Durable fusion bonded epoxy coated
- Positive hexagonal drive between shaft and hanger
- Corrosion resistant construction
- Optional external lever arm and weight assembly
- Drilling bosses and ½" BSP air release as standard
- Robust low maintenance design
- Suitable for both horizontal and vertical installation



Options

- External lever arm and weight, can be mounted on either side
- Safety guards for external lever arm and weight
- Flow sensing switching options
- Alternative flange drillings

Accessories

- Lever and weight kit
- Galvanised steel guard (recommended for external lever arm and weight version)
- Limit switches

*Options maybe available subject to factory lead-times

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T-T PUMPS

T-T Pumping
Stations

T-T Controls

T-T Service

T-T Agricultural
& Environmental

T-T Flow
Valves

Technical Specification

| | |
|-------------------------------------|--|
| Standard | BSEN1074Pt.3:2000.BSEN12334:2001 and BS 5153:1974 |
| Range | DN50 - DN300 |
| Flanged Drillings: Alternatives: | BS EN 1092-2:1987 Table 9 (PN16) BS EN1092-2:1987 Table 8 (PN10) BS10 Table D or E |
| Face to Face Dimensions | EN558-1, 1986 Table 3, Basic Series 3 |
| Maximum Working Pressure | 16 Bar |
| Hydrostatic Pressure Tests | Seat: 1.1 x PN (17.6 Bar) & Body: 1.5 x PN (24.0 Bar) |
| Temperature Range | -10°C to 70 °C (insulate at 0°C and below) |
| Coating | Blue fusion bonded epoxy (WRAS listed) |

Dimensions - Valve

| DN | A | B | C | D | Standard Weight | + Lever/Weight |
|-----|-----|-----|-----|-----|-----------------|----------------|
| 50 | 203 | 165 | 135 | 188 | 14 | 15 |
| 65 | 216 | 185 | 141 | 207 | 18 | 19 |
| 80 | 241 | 200 | 132 | 235 | 20 | 22 |
| 100 | 292 | 220 | 140 | 268 | 26 | 28 |
| 125 | 330 | 250 | 170 | 300 | 38 | 41 |
| 150 | 356 | 285 | 186 | 313 | 50 | 52 |
| 200 | 495 | 340 | 218 | 378 | 96 | 98 |
| 250 | 622 | 405 | 272 | 493 | 155 | 163 |
| 300 | 698 | 460 | 311 | 535 | 215 | 223 |

Material Specification

| Description | Material | Grade |
|------------------|-----------------|-----------------|
| Body | Ductile Iron | BSEN1563Gr500/7 |
| Body Seat Ring | Copper Alloy | BS EN 1982 |
| Door Seat Ring | Copper Alloy | BS EN 1982 |
| Bolts | Stainless Steel | BSEN1563Gr500/7 |
| Washer | Stainless Steel | BS EN 10088 |
| Hanger | Ductile Iron | BSEN1563Gr500/7 |
| Gasket | EPDM | WRAS Approved |
| Inspection Cover | Ductile Iron | BSEN1563Gr500/7 |
| Air Release Plug | Galvanised | - |
| Std. Bush Nut | Copper Alloy | BS EN 1982 |
| Bush Seal | EPDM | WRAS Approved |
| Spindle | Stainless Steel | BS EN 10088 |
| 'O' Ring | EPDM | WRAS Approved |
| L/W Bush Nut | Copper Alloy | BS EN 1982 |
| Drain Plug | Stainless Steel | BS EN 10088 |
| Lever Arm | Mild Steel | BS EN 10025 |
| Nut | Stainless Steel | BS EN 10088 |
| Spring Washer | Stainless Steel | BS EN 10088 |
| Counter Weight | Ductile Iron | BSEN1563Gr500/7 |

