

## Ductile cast iron Gate Valve inside screw soft seating PN16 handwheel operated with positioning indicator

### Main characteristics

- Manufactured in Italy in accordance with EN 1074
- Face-to-face length according to EN 558-1, basic series 15
- Flanged according to EN 1092-2 PN16 with raised face (other specifications on request)
- Inside screw thread clockwise closing, o-ring packing, back seats provided
- Minimal pressure drop
- Hydrostatically tested according to EN 12266-1: Test type P10-P11-P12 Rate A
- Pressure Equipment Directive 2014/68/UE Group 2
- 100% full bore
- EPDM integrally vulcanized wedge
- Gate valves are bi-directional and can be installed in any position. However, the preferred orientation is with the stem pointing vertically upwards.

### Field of application

- Potable water
- Food industry
- Water treatment
- Fire-fighting
- Irrigation

### Corrosion protection

Integrally fusion bonded  
Epoxy coated  
Blue Ral 5015  
250 micron



### Ratings

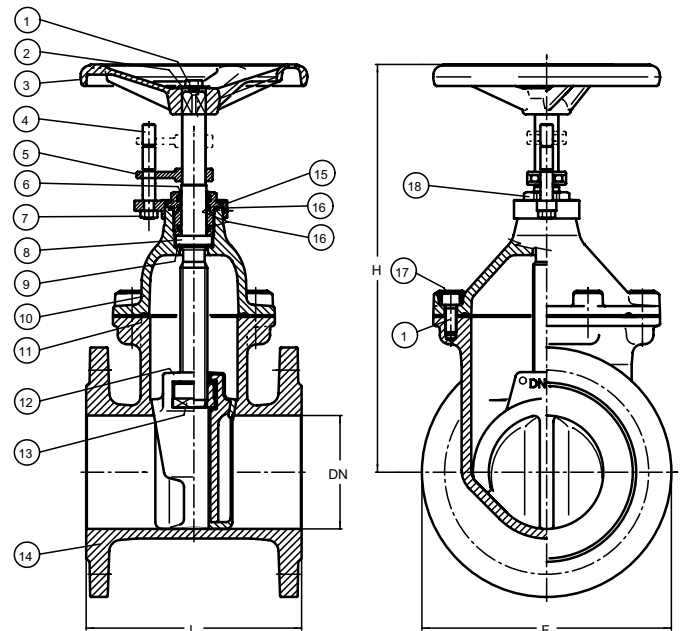
|                            |            |
|----------------------------|------------|
| Working temperature (°C)   | -10 to +80 |
| Max Working pressure (bar) | 16         |

### Hydrostatically tested according to EN 12266-1 (bar)

|               |                     |                   |
|---------------|---------------------|-------------------|
| P11 Body test | P12 Seat Test water | P12 Seat test air |
| 24            | 18                  | 6                 |

### Material specification

| Nr | Parts              | Material  | Specification |
|----|--------------------|---|---------------|
| 1  | Screw              | Zinc-plated 8.8 carbon steel                                  | EN ISO 4762   |
| 2  | Washer             | Zinc-plated carbon steel                                      | EN 7092       |
| 3  | Handwheel          | EN-GJL-250 Grey cast iron                                     | EN 1561       |
| 4  | Indicator          | CW614N Drawn brass  | EN 12164      |
| 5  | Fork               | CB 754-S GM Cast brass  | EN 1982       |
| 6  | Dust proof packing | Pvc   | -             |
| 7  | Nut                | Zinc-plated 8.8 carbon steel                                  | EN ISO 4762   |
| 8  | Stem               | X12Cr13 Stainless Steel                                       | AISI 410      |
| 9  | Back seat          | Ptfe  | ASTM 4894     |
| 10 | Bonnet             | EN-GJS-400-15 Ductile cast iron                               | EN 1563       |
| 11 | Gasket             | Epdm  | ISO 4097      |
| 12 | Wedge              | EN-GJS-400-15 Ductile cast iron<br>Epdm integrally Vulcanized | EN 1563       |
| 13 | Motherscrew        | CB 754-S GM Cast brass  | EN 1982       |
| 14 | Body               | EN-GJS-400-15 Ductile cast iron                               | EN 1563       |
| 15 | Indicator support  | CB 754-S GM Cast brass  | EN 1982       |
| 16 | O-ring             | Epdm  | ISO 4097      |
| 17 | Screw tap          | Hot Glue  | -             |
| 18 | Bush               | CW614N Drawn brass  | EN 12164      |



### Technical data

| DN                         | 40  | 50   | 65  | 80  | 100   | 125   | 150   | 200   | 250   | 300   |
|----------------------------|-----|------|-----|-----|-------|-------|-------|-------|-------|-------|
| F mm                       | 150 | 165  | 185 | 200 | 220   | 250   | 285   | 340   | 405   | 460   |
| L mm                       | 240 | 250  | 270 | 280 | 300   | 325   | 350   | 400   | 450   | 500   |
| H mm                       | 245 | 255  | 290 | 320 | 360   | 425   | 470   | 565   | 670   | 765   |
| Weight Kg                  | 10  | 11   | 14  | 18  | 23    | 30    | 39    | 62    | 100   | 128   |
| Handwheel Ø mm             | 125 | 150  | 175 | 175 | 200   | 200   | 225   | 250   | 300   | 350   |
| Turns open/close nr        | 10  | 12.5 | 16  | 16  | 20    | 25    | 30    | 33    | 41    | 50    |
| Max torque gate closing Nm | 40  | 40   | 40  | 50  | 60    | 60    | 80    | 100   | 120   | 130   |
| Kvs value                  | 107 | 250  | 430 | 790 | 1.250 | 1.960 | 2.790 | 2.880 | 4.306 | 6.380 |

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