

Cast iron Gate Valve outside screw brass trim PN16 handwheel operated High Temperature

Main characteristics

- Manufactured in Italy in accordance with EN 1171
- Face-to-face length according to EN 558-1, basic series 14
- Flanged according to EN 1092-2 PN16 with raised face, undrilled, PN10 or other specifications on request
- Outside screw thread clockwise closing, adjustable stuffing box
- Minimal pressure drop
- Hydrostatically tested according to EN 12266-1: Test type P11-P12 Rate A
- Pressure Equipment Directive 2014/68/UE Group 2
- 100% full bore
- 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

- Industrial plants
- Sewage Water
- Water treatment
- Air-conditioning systems (HVAC)
- Central heating and cooling circuits
- Non-aggressive fluids
- Tanks
- Fire sprinkler systems

Corrosion protection

- Standard version: externally coated with Phenolic-oil resin with zinc-phosphate high corrosion resistance painting Grey Ral 7011
- On request: integrally epoxy coated
- Customized color available



Ratings

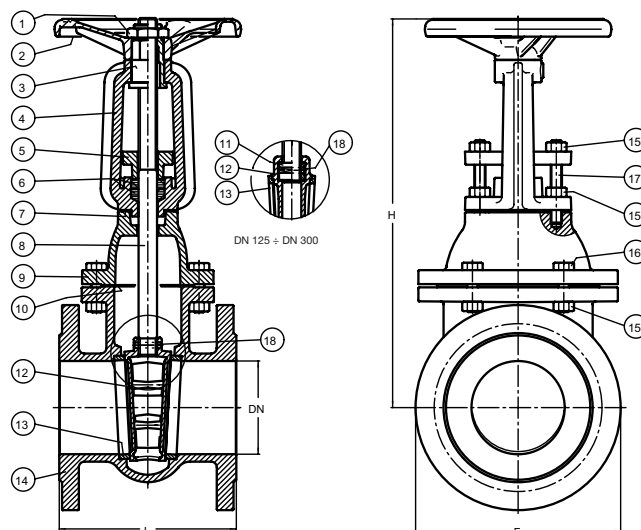
| | | |
|----------------------------|-------------|--------------|
| Working temperature (°C) | -10 to +120 | +120 to +150 |
| Max Working pressure (bar) | 16 | 14 |

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 | Lock nut | CW614N Drawn brass | CW614N EN 12164 |
| 2 | Handwheel | EN-GJL-250 grey cast iron | EN 1561 |
| 3 | Motherscrew | CB 754-S GM Cast brass | EN 1982 |
| 4 | Yoke | EN-GJL-250 grey cast iron | EN 1561 |
| 5 | Packing gland | EN-GJL-250 grey cast iron | EN 1561 |
| 6 | Packing | Ptfe | ASTM 4894 |
| 7 | Gasket | Fasit 205 | - |
| 8 | Stem | CW614N Drawn brass | EN 12164 |
| 9 | Bonnet | EN-GJL-250 grey cast iron | EN 1561 |
| 10 | Gasket | Fasit 205 | - |
| 11 | Motherscrew | CB 754-S GM Cast brass | EN 1982 |
| 12 | Wedge DN 40-DN 100 | CB 754-S GM Cast brass | EN 1982 |
| 12 | Wedge DN 125-DN 300 | EN-GJL-250 grey cast iron | EN 1561 |
| 13 | Seat | CB 754-S GM Cast brass | EN 1982 |
| 14 | Body | EN-GJL-250 grey cast iron | EN 1561 |
| 15 | Nut | Zinc-plated 8.8 carbon steel | ISO 4032 |
| 16 | Screw | Zinc-plated 8.8 carbon steel | EN ISO 4017 |
| 17 | Tie rod | Zinc-plated 8.8 carbon steel | - |
| 18 | Pin | Carbon steel | - |



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 | 140 | 150 | 170 | 180 | 190 | 200 | 210 | 230 | 250 | 270 |
| H mm | 265 | 275 | 335 | 355 | 400 | 495 | 585 | 700 | 830 | 960 |
| Weight Kg | 11 | 13 | 18 | 24 | 30 | 37 | 47 | 72 | 100 | 134 |
| Handwheel Ø mm | 150 | 150 | 175 | 175 | 200 | 200 | 225 | 225 | 250 | 300 |
| Turns open/close nr | 10 | 12,5 | 16 | 20 | 25 | 25 | 30 | 40 | 50 | 60 |
| Max torque gate closing Nm | 30 | 30 | 35 | 35 | 40 | 45 | 45 | 60 | 65 | 70 |
| Kvs value | 107 | 250 | 430 | 790 | 1.250 | 1.960 | 2.790 | 2.880 | 4.306 | 6.380 |

EN_110n - Edition 09/2017 • Maran e Peracini srl assumes no responsibility or liability for typographical errors or omissions and reserves the right to change without notice.

Valvola a saracinesca in ghisa grigia a Corpo Piatto vite esterna sede ottone PN16 per Alte Temperature

Principali caratteristiche

- Prodotta in Italia in accordo a EN 1171
- Scartamento secondo EN 558-1, serie 14
- Connessioni flangiate secondo EN 1092-2 PN16 con risalto (secondo altre specifiche disponibili su richiesta)
- Asta uscente, chiusura in senso orario, tenuta secondaria sullo stelo regolabile tramite premistoppa
- Minima perdita di carico
- Testata idraulicamente secondo EN 12266-1: Test tipo P11-P12 Rate A
- Conforme alla Direttiva Attrezzature in Pressione PED 2014/68/UE art. 13 Fluidi di gruppo 2
- 100% passaggio totale

Settori di utilizzo

- Impianti industriali
- Acque reflue
- Impianti trattamento acque
- Sistemi di condizionamento aria (HVAC)
- Centrali termiche e circuiti di raffreddamento
- Fluidi non aggressivi
- Serbatoi
- Alimentazione sistemi antincendio Sprinkler

Protezione dalla corrosione

- Versione Standard: rivestita esternamente con vernice ad alta resistenza alla corrosione con resina oleofenolica ai fosfati di zinco Grigio Ral 7011
- Su richiesta: verniciatura integrale epossidica
- Altre tonalità disponibili



Condizioni di esercizio

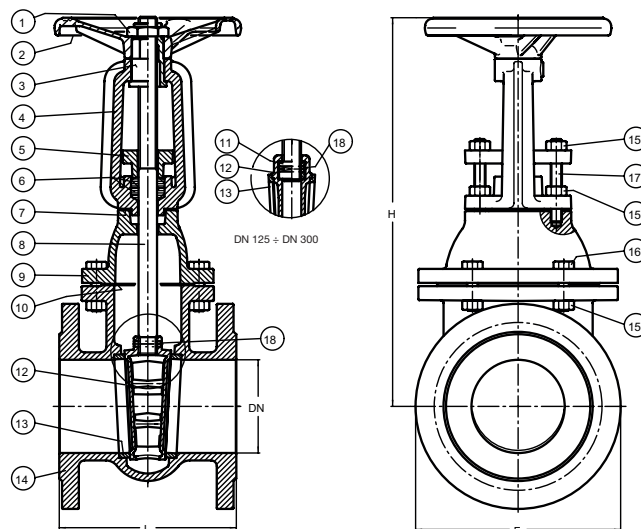
| | | |
|--------------------------------|-------------|--------------|
| Temperature fluido (°C) | -10 to +120 | +120 to +150 |
| Massima pressione fluido (bar) | 16 | 14 |

Test idraulico secondo EN 12266-1 (bar)

| | | |
|-----------|------------------|-----------------|
| P11 Corpo | P12 Sedi (acqua) | P12 Sedi (aria) |
| 24 | 18 | 6 |

Specifica materiali

| Nr | Parte | Materiale | Norma |
|----|---------------------|-------------------------|-------------|
| 1 | Controdado | CB 754-S GM ottone fuso | EN 1982 |
| 2 | Volantino | EN-GJL-250 ghisa grigia | EN 1561 |
| 3 | Madrevite | CB 754-S GM ottone fuso | EN 1982 |
| 4 | Cavallotto | EN-GJL-250 ghisa grigia | EN 1561 |
| 5 | Premistoppa | EN-GJL-250 ghisa grigia | EN 1561 |
| 6 | Baderna | Ptfe | ASTM 4894 |
| 7 | Guarnizione | Fasit 205 | - |
| 8 | Asta | CW614N ottone trafilato | EN 12164 |
| 9 | Cappello | EN-GJL-250 ghisa grigia | EN 1561 |
| 10 | Guarnizione | Fasit 205 | - |
| 11 | Madrevite | CB 754-S GM ottone fuso | EN 1982 |
| 12 | Cuneo DN 40-DN 100 | CB 754-S GM ottone fuso | EN 1982 |
| 12 | Cuneo DN 125-DN 300 | EN-GJL-250 ghisa grigia | EN 1561 |
| 13 | Sedi | CB 754-S GM ottone fuso | EN 1982 |
| 14 | Corpo | EN-GJL-250 ghisa grigia | EN 1561 |
| 15 | Dado | Acciaio Zincato 8.8 | ISO 4032 |
| 16 | Vite | Acciaio Zincato 8.8 | EN ISO 4017 |
| 17 | Tirante | Acciaio Zincato 8.8 | - |
| 18 | Spina | Acciaio | - |



Dati tecnici

| 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 | 140 | 150 | 170 | 180 | 190 | 200 | 210 | 230 | 250 | 270 |
| H mm | 265 | 275 | 335 | 355 | 400 | 495 | 585 | 700 | 830 | 960 |
| Peso Kg | 11 | 13 | 18 | 24 | 30 | 37 | 47 | 72 | 100 | 134 |
| Volantino Ø mm | 150 | 150 | 175 | 175 | 200 | 200 | 225 | 225 | 250 | 300 |
| Giri apertura/chiusura nr | 10 | 12,5 | 16 | 20 | 25 | 25 | 30 | 40 | 50 | 60 |
| Momento torcente in chiusura Nm | 30 | 30 | 35 | 35 | 40 | 45 | 45 | 60 | 65 | 70 |
| Perdite di carico Kvs | 107 | 250 | 430 | 790 | 1.250 | 1.960 | 2.790 | 2.880 | 4.306 | 6.380 |

IT_110n - Edition 09/2017 • Maran e Peracini srl si riserva il diritto di apportare variazioni senza preavviso.