



Soft seated gate valves in ductile iron, PN 10 and 16



Art. 93

Flanges: UNI EN 1092-2 PN 10 - 16

Design: DIN 3352, EN 1074 1-2; Face to face length:
EN 558-1, serie 14. DIN 3202 F4

Test according to EN 12266-1

Installation: horizontal/ vertical

APPLICATIONS • Water supply • Drinking water • Fire
fighting systems • Wastewater treatment

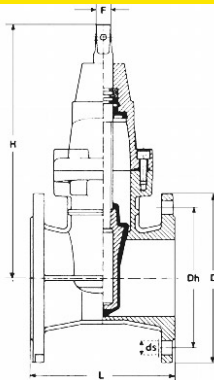
Epoxy painting suitable for drinking water applications.

Soft seated gate valves, in ductile iron GGG40 or GGG50 with flat body and EPDM covered wedge, are suitable for drinking water applications, being coated with epoxy powder painting, not toxic. This kind of gate valves are inside screw, with non rising stem in AISI 420, wedge EPDM vulcanized and sliding rails on the body. The soft seated gate valves are full bore, have no pressure drops, with the EPDM covered wedge that is not affected by corrosion and that doesn't need any maintenance. In case of need, o-rings on the stem can be replaced with the valve in the pipeline and in complete open position. Soft seated gate valves in ductile iron can be installed above or under the ground level, or in chambers. Standard execution is by handwheel, we accept on demand T key, reducing gear or electric actuator with suitable outlet flange ISO 5210 F10/F14.

Materials

| | |
|---------------|---|
| body-bonnet | ductile iron GGG40/50, EN-GJS-400/500-15 |
| wedge | ductile iron GGG40/50, EN-GJS-400/500-15 EPDM covered |
| handwheel | cast iron GG25, EN-GJL-250 |
| stem | stainless steel X20 CR13 |
| stem seat | o-ring |
| bonnet gasket | EPDM |
| painting | epoxy 250 mcr |

Dimensions



| DN | L mm. | H mm. | D mm. | Weight kg. |
|-----|-------|-------|-------|------------|
| 40 | 140 | 220 | 150 | 8 |
| 50 | 150 | 230 | 165 | 10 |
| 65 | 170 | 240 | 185 | 13 |
| 80 | 180 | 280 | 200 | 16 |
| 100 | 190 | 330 | 220 | 19 |
| 125 | 200 | 390 | 250 | 27 |
| 150 | 210 | 460 | 285 | 35 |
| 200 | 230 | 550 | 340 | 56 |
| 250 | 250 | 660 | 405 | 81 |
| 300 | 270 | 760 | 460 | 115 |
| 350 | 290 | 820 | 520 | 221 |
| 400 | 310 | 950 | 580 | 257 |
| 450 | 330 | 970 | 640 | 303 |
| 500 | 350 | 1120 | 715 | 363 |
| 600 | 390 | 1300 | 840 | 600 |

Pressure

| DN | Nominal pressure | Test pressure Mpa | | Max working pressure Mpa |
|--------|------------------|-------------------|------|--------------------------|
| mm | BAR | body | seat | 80°C |
| 40-600 | 16 | 2,4 | 1,76 | 1,6 |

