



**CAST IRON ARMATURE BULGARIA® SA**  
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|                              |               |           |
|------------------------------|---------------|-----------|
| <b>CAST IRON GLOBE VALVE</b> | <b>DN</b>     | <b>PN</b> |
| <b>SERIES 103 AND 106</b>    | <b>15-250</b> | <b>16</b> |

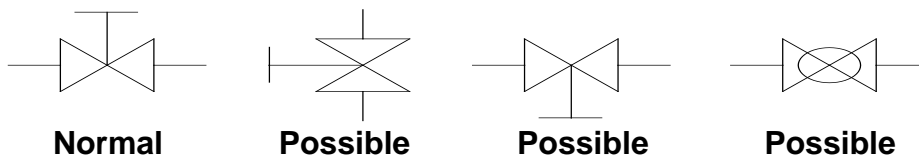
## APPLICATION

The valves are a pipeline fixture for letting out, stopping, and fluid stream regulation, which shutting device moves perpendicular towards the sealing rings (the saddle). They are implemented as shut-off devices, mounted on pipelines, through which are transported steam, water, air and other non-aggressive liquids, at a pressure not exceeding PN16 and  $T_{max}$  200 °C.

The globe valves provide possibility for changing of the gland packing under pressure. In the case of full-open valve the stem provides sealing with the bonnet.



## INSTALLATION



## MATERIALS FOR MAIN DETAILS

| No. | Detail               | Material                      | Number | Standard        |
|-----|----------------------|-------------------------------|--------|-----------------|
| 1   | Body                 | EN-GJL-250                    | 5.1301 | BDS EN 1561     |
| 2   | Ring                 | X8CrNiTi18-10                 | 1.4878 | BDS EN 10088-1  |
| 3   | Saddle               | S275JR                        | 1.0044 | BDS EN 10025-2  |
| 4   | Bonnet               | EN-GJL-250                    | 5.1301 | BDS EN 1561     |
| 5   | Bonnet with seal     | EN-GJL-250                    | 5.1301 | BDS EN 1561     |
| 6   | Stem                 | X20Cr13                       | 1.4021 | BDS EN 10088-1  |
| 7   | Hand reel            | EN-GJL-250                    | 5.1301 | BDS EN 1561     |
|     | Construction lengths |                               |        | BDS EN 558 + A1 |
|     | Flanges              |                               |        | BDS EN 1092-2   |
|     | Coating              | alkyd enamel RAL 9005/RAL5015 |        |                 |



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## DIMENSIONS

| DN  | D1  | D2  | D3  | L   | H   | n  | d  | b  | Dk  |
|-----|-----|-----|-----|-----|-----|----|----|----|-----|
| 15  | 95  | 65  | 45  | 130 | 182 | 4  | 14 | 14 | 100 |
| 20  | 105 | 75  | 58  | 150 | 180 | 4  | 14 | 16 | 100 |
| 25  | 115 | 85  | 68  | 160 | 185 | 4  | 14 | 16 | 100 |
| 32  | 140 | 100 | 78  | 180 | 220 | 4  | 18 | 18 | 140 |
| 40  | 150 | 110 | 88  | 200 | 227 | 4  | 18 | 18 | 140 |
| 50  | 165 | 125 | 102 | 230 | 228 | 4  | 18 | 20 | 160 |
| 65  | 185 | 145 | 122 | 290 | 276 | 4  | 18 | 20 | 200 |
| 80  | 200 | 160 | 138 | 310 | 278 | 8  | 18 | 22 | 200 |
| 100 | 220 | 180 | 158 | 350 | 343 | 8  | 18 | 24 | 240 |
| 125 | 250 | 210 | 188 | 400 | 352 | 8  | 18 | 26 | 240 |
| 150 | 285 | 240 | 212 | 480 | 448 | 8  | 22 | 26 | 320 |
| 200 | 340 | 295 | 268 | 600 | 520 | 12 | 22 | 30 | 360 |
| 250 | 405 | 355 | 320 | 730 | 770 | 12 | 28 | 32 | 450 |

