

## globe valve made of cast iron series GL119

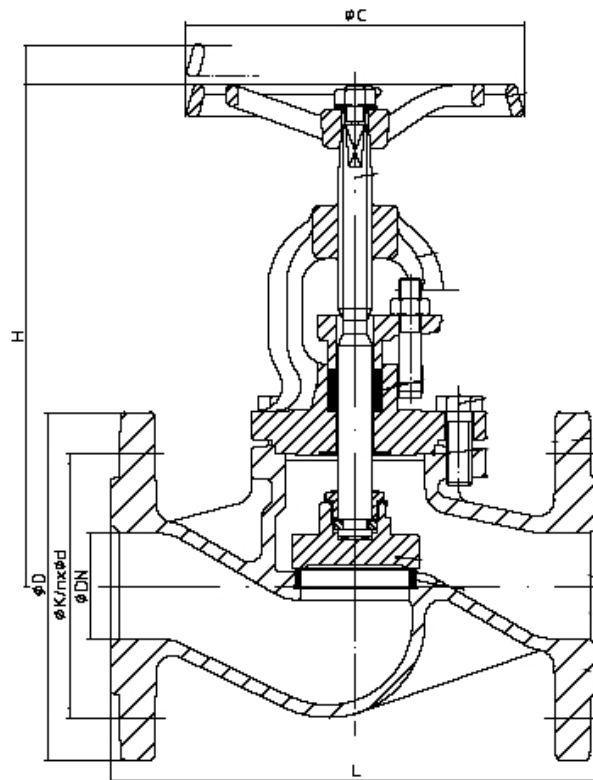


|                    |                                                                                                                                        |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| design             | shut-off valve in through-flow design with back-seal and packing gland, metal sealing, rising stem, painted body RAL5013, coating 40µm |
| actuation          | by means of a steel hand wheel                                                                                                         |
| connection         | flange DN15...DN250 according to EN1092-2 PN16                                                                                         |
| length             | according to DIN EN558-1R1                                                                                                             |
| materials          | body cast iron EN-JL1040, seat, cone and stem stainless steel AISI 420, handwheel steel, packing graphite                              |
| application        | group 1 and 2 liquids and gases acc. to PED 2014/68/EU and which do not affect the used materials.                                     |
| medium temperature | -10...+300°C                                                                                                                           |
| operating pressure | nominal pressure according to pressure-temperature table                                                                               |
| type of fixing     | installed into rigid pipework                                                                                                          |
| mounting position  | any                                                                                                                                    |
| approvals          | ATEX on request                                                                                                                        |
| special versions   | throttle cone , cone with soft sealing                                                                                                 |

### pressure temperature chart in bar

| -10...+120°C | 150°C | 200°C | 250°C | 300°C |
|--------------|-------|-------|-------|-------|
| 16           | 14,4  | 12,8  | 11,2  | 9,6   |

interim values of max. operating pressure can be calculated by linear interpolation of nearest lower and higher temperatures.



| nominal diameter<br>DN[mm] | PN<br>[bar] | C   | D   | H*  | K   | L   | nx       | kv value<br>[m <sup>3</sup> /h] | weight<br>[app. kg] | type        |
|----------------------------|-------------|-----|-----|-----|-----|-----|----------|---------------------------------|---------------------|-------------|
| 15                         | 16          | 100 | 95  | 226 | 65  | 130 | 4 x Ø14  | 4,6                             | 3,5                 | GL119-15-W  |
| 20                         | 16          | 100 | 105 | 226 | 75  | 150 | 4 x Ø14  | 7,3                             | 4,5                 | GL119-20-W  |
| 25                         | 16          | 100 | 115 | 232 | 85  | 160 | 4 x Ø14  | 11,7                            | 5                   | GL119-25-W  |
| 32                         | 16          | 125 | 140 | 233 | 100 | 180 | 4 x Ø18  | 16,8                            | 6,5                 | GL119-32-W  |
| 40                         | 16          | 150 | 150 | 270 | 110 | 200 | 4 x Ø18  | 26,7                            | 9,5                 | GL119-40-W  |
| 50                         | 16          | 150 | 165 | 273 | 125 | 230 | 4 x Ø18  | 42,6                            | 12                  | GL119-50-W  |
| 65                         | 16          | 200 | 185 | 356 | 145 | 290 | 4 x Ø18  | 77,9                            | 19,5                | GL119-65-W  |
| 80                         | 16          | 200 | 200 | 360 | 160 | 310 | 8 x Ø18  | 111                             | 22,5                | GL119-80-W  |
| 100                        | 16          | 225 | 220 | 405 | 180 | 350 | 8 x Ø18  | 177                             | 33,5                | GL119-100-W |
| 125                        | 16          | 250 | 250 | 450 | 210 | 400 | 8 x Ø18  | 262                             | 45,5                | GL119-125-W |
| 150                        | 16          | 350 | 285 | 510 | 240 | 480 | 8 x Ø22  | 368                             | 66                  | GL119-150-W |
| 200                        | 16          | 400 | 340 | 680 | 295 | 600 | 12 x Ø22 | 664                             | 116                 | GL119-200-W |
| 250                        | 16          | 500 | 405 | 820 | 355 | 730 | 12 x Ø26 | 1044                            | 170                 | GL119-250-W |

\* height in open position

illustrations are non-binding

all designs, configurations, measurements and materials are subject to change without prior notice