

# Fire Safe Valves

## Type 03641 - Globe Valve, ASME B16.5 Flanges



**Cryogenic-Globe and Globe/Check Valves, class 150**  
**“Fire safe” type test approval acc. to EN ISO 10497**

Stainless steel body and topwork,  
 “live loaded” gland packing

**Part No. 03641.8000.0011 (H=560)**

Flanged connection acc. to ASME B16.5 class 150

In flow direction, the valve with the nominal size DN200 is conform to tightness class L1 up to 12 bar maximum differential pressure acc. to DIN 12567 for LNG use. This standard can also be used for the tightness class of other cryogenic gases.

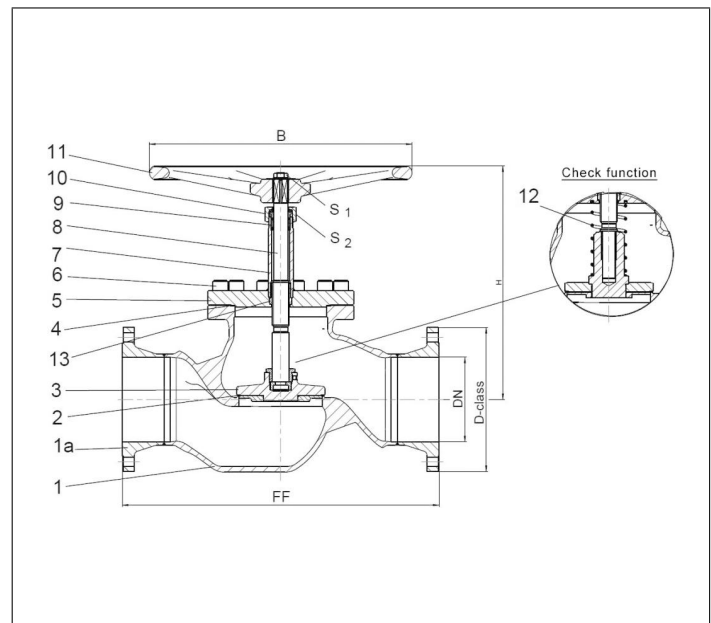
Available options - on request only



### Applications:

Approved for air gases, vapours and cryogenic liquefied gases incl. LNG.  
 Working temperature: -196°C / -321°F (77K) up to +120°C / +248°F (393K)

| Materials         | DIN EN                     | ASTM              |
|-------------------|----------------------------|-------------------|
| 1 Body            | 1.4308                     | A 351 CF8         |
| 1a Flange         | 1.4301                     | A 276 Grade 304   |
| 2 Valve seal      | PTFE / Carbon filled (25%) |                   |
| 3 Disc            | 1.4301                     | A 276 Grade 304   |
| 4 Bonnet gasket   | Graphite                   |                   |
| 5 Headpiece       | 1.4301                     | A 276 Grade 304   |
| 6 Bolts           | 1.4301/A2                  | A 194 B8          |
| 7 Elongation tube | 1.4541                     | A 213 TP 321      |
| 8 Stem            | 1.4301                     | A 276 Grade 304   |
| 9 Gland packing   | Graphite / PTFE / MICA     |                   |
| 10 Gland nut      | 1.4305                     | A 276 Grade 303   |
| 11 Handwheel      | 1.4571                     | A 313 Grade 316Ti |
| 12 Spring         | 1.4310                     | A 313 Grade 301   |
| 13 Bush           | CW452K                     | B 159 UNS C51900  |



| Type 03641 - Standard design | Technical data    |      |
|------------------------------|-------------------|------|
| Nominal size                 | DN                | 200  |
| Dimension code               | .X.               | 8000 |
| Flange-Ø                     | D-class           | 345  |
| Face-to-face dimension       | FF                | 760  |
| Height                       | H                 | 560  |
| Handwheel-Ø                  | B                 | 630  |
| Wrench size across flats     | S <sub>1</sub>    | 30   |
| Wrench size across flats     | S <sub>2</sub>    | 65   |
| Weight                       | ca. kg            | 135  |
| Kvs-Value                    | m <sup>3</sup> /h | 680  |
| Cv-Value                     | gal/min           | 793  |

Dimensions in mm.