

## Fill Cluster

### Type 07017 - Fill cluster with check function



#### Cryogenic-Fill cluster, PN50

Stainless steel body and topwork  
with check function and drain valve  
"live loaded" gland packing  
"cleaned and degreased for oxygen service"

#### Part No. 07017.X.5000

Fill connection: Air Liquide specified flange  
Socket weld connection for stainless steel pipes  
acc. to ISO 1127 or ASTM A312  
Non-return unit metal to metal seated, leakage rate D acc. to EN12266-1

Available options - on request only:

- other fill connections
- integrable strainer

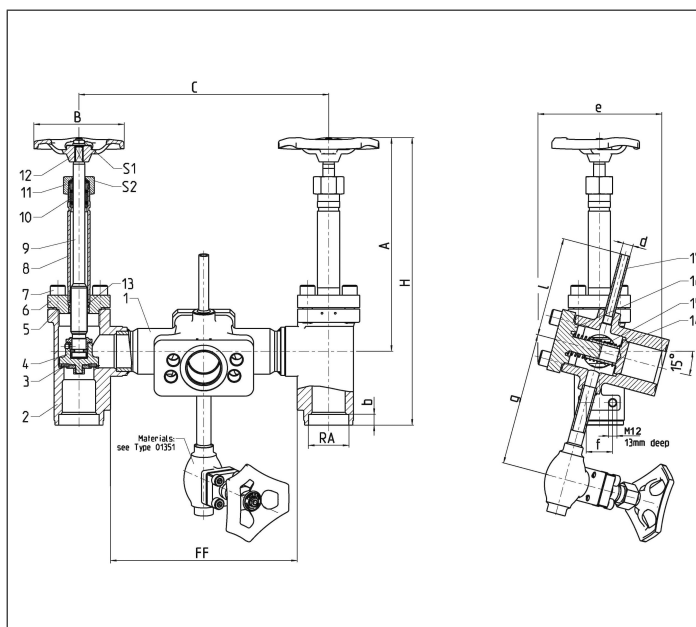
#### Applications:

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 Fill body       | 1.4308                     | A 351 CF8         |
| 2 Body            | 1.4308                     | A 351 CF8         |
| 3 Valve seal      | PTFE / Carbon filled (25%) |                   |
| 4 Disc            | 1.4301                     | A 276 Grade 304   |
| 5 Bonnet gasket   | PTFE                       |                   |
| 6 Headpiece       | 1.4308                     | A 351 CF8         |
| 7 Bolts           | 1.4301/A2                  | A 194 B8          |
| 8 Elongation tube | 1.4541                     | A 213 TP 321      |
| 9 Stem            | 1.4301                     | A 276 Grade 304   |
| 10 Gland packing  | Graphite / PTFE / MICA     |                   |
| 11 Gland nut      | 1.4305                     | A 276 Grade 303   |
| 12 Handwheel      | Aluminium alloy            |                   |
| 13 Bush           | CW452K                     | B 159 UNS C51900  |
| 14 Check disc     | 1.4301                     | A 276 Grade 304   |
| 15 Spring         | 1.4571                     | A 313 Grade 316Ti |
| 16 Cap            | 1.4301                     | A 276 Grade 304   |
| 17 Tube           | 1.4541                     | A 213 TP 321      |



| Type 07017 - Standard design | Technical data |       |       |
|------------------------------|----------------|-------|-------|
| Nominal size                 | DN             | 25    | 40    |
| Dimension code               | .X.            | 2533  | 4048  |
| Face-to-face dimension       | FF             | 225   | 225   |
| Outside pipe-Ø ISO 1127      | RA             | 33.7  | 48.3  |
| Outside pipe-Ø ASTM A312     | RA             | 33.40 | 48.26 |
| Socket depth                 | b              | 13    | 13    |
| Height                       | A              | 270   | 270   |
| Height                       | H              | 350   | 350   |
| Length                       | c              | 295   | 301   |
| Length                       | e              | 76    | 76    |
| Length                       | f              | 32    | 32    |
| Length                       | g              | 160   | 160   |
| Length                       | l              | 120   | 120   |
| Diameter                     | d              | 12x2  | 12x2  |
| Handwheel-Ø                  | B              | 100   | 125   |
| Wrench size across flats     | S <sub>1</sub> | 7     | 10    |
| Wrench size across flats     | S <sub>2</sub> | 30    | 36    |
| Weight                       | ca. kg         | 11.2  | 14.0  |

Dimensions in mm.