

# Fill Cluster

## Type 07016 - Fill cluster with check function



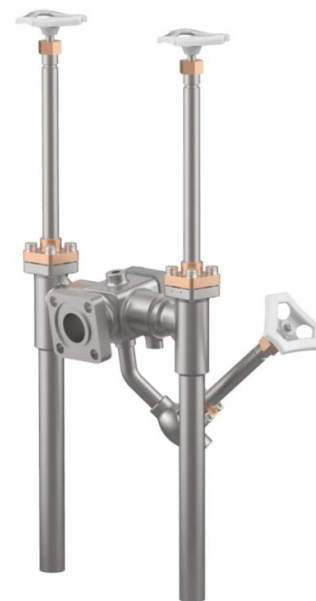
### Cryogenic-Fill cluster, PN50

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

### Part No. 07016.X.5000

Fill connection: Mueller flange  
Outlet: welded stainless steel stubs acc. to ASTM A312  
Non-return unit metal to metal seated, leakage rate D acc. to EN12266-1

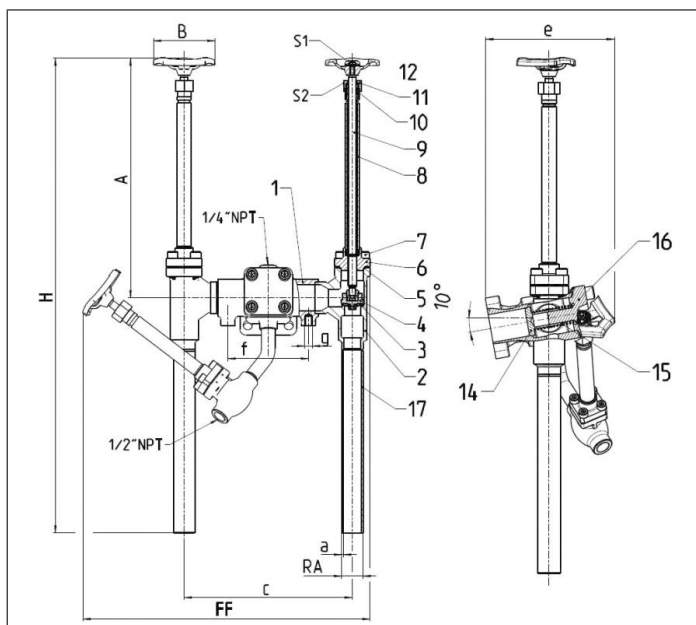
Available options - on request only:  
· with strainer



### 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            | CW614N                     | B 283 UNS C38500  |
| 5 Bonnet gasket   | PTFE                       |                   |
| 6 Headpiece       | CC493K                     | B 505 UNS C93200  |
| 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            |                   |
| 11 Gland nut      | CW614N                     | B 283 UNS C38500  |
| 12 Handwheel      | Aluminium alloy            |                   |
| 14 Check disc     | CW452K                     | B 159 UNS C51900  |
| 15 Spring         | 1.4571                     | A 313 Grade 316Ti |
| 16 Cap            | CC493K                     | B 505 UNS C93200  |
| 17 Pipe           | 1.4306                     | A 312 TP 304L     |



| Type 07016 - Standard design  | Technical data |                               |                |
|-------------------------------|----------------|-------------------------------|----------------|
| Nominal size                  | DN             | 25                            | 40             |
| Dimension code                | .X.            | 2533                          | 4048           |
| Face-to-face dimension        | FF             | 225                           | 225            |
| Outside pipe-Ø ASTM A312      | RA             | 33.7                          | 48.3           |
| Wall thickness pipe ASTM A312 | a              | dimensions acc. to S10 or S40 |                |
| Socket depth                  | b              | 13                            | 13             |
| Height                        | A              | 370                           | 370            |
| Height                        | H              | 735                           | 735            |
| Length                        | c              | 295                           | 301            |
| Length                        | e              | 76                            | 76             |
| Length                        | f              | 125                           | 125            |
| Length                        | g              | M12, 11mm deep                | M12, 13mm deep |
| 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         | 11.5                          | 14.9           |

Dimensions in mm.