

# Actuated Valves and Actuators

## Type 17800 - Actuated Butterfly Valve



### Cryogenic Butterfly Valves Buttweld Type, PN16

With pneumatic actuator

Also available in PN10 and PN25

Type test approval acc. to DIN 12567 for LNG use

"Fire safe" type test approval acc. to EN ISO 10497

Available options - on request only:

- Further connection types
- Pressure range
- Accessories

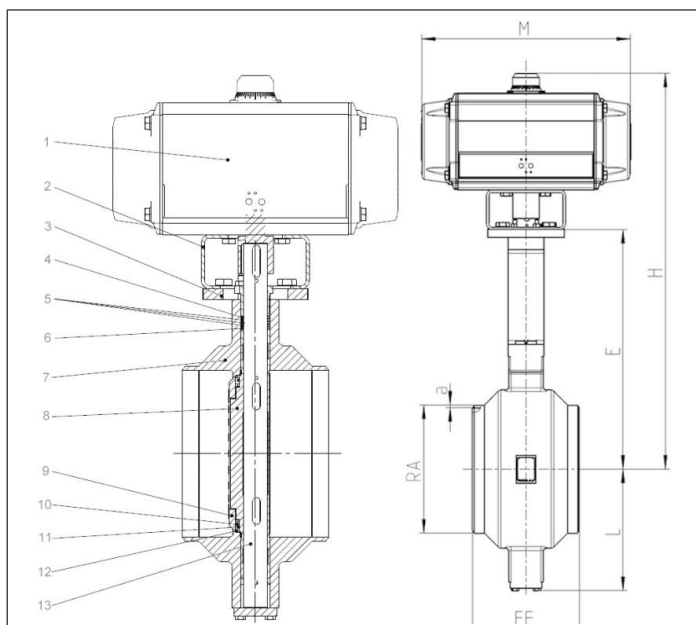


### Applications:

Approved for LNG Marine applications. Other applications on request only.

Working temperature: -196°C / -321°F (77K) up to +100°C / +212°F (373K)

| Materials       | DIN EN                 | ASTM       |
|-----------------|------------------------|------------|
| 1 Actuator      | Aluminum Aludur coated |            |
| 2 Bracket       | 1.4404/1.4571          | 316L/316Ti |
| 3 Flange        | 1.4404                 | 316L       |
| 4 Gland packing | Graphite braid         |            |
| 5 Gland packing | Graphite               |            |
| 6 Gland packing | Graphite braid         |            |
| 7 Body          | 1.4408                 | 316        |
| 8 Disc          | 1.4408                 | 316        |
| 9 Clamp ring    | 1.4404/1.4571          | 316L/316Ti |
| 10 Seal         | 1.4571                 | 316Ti      |
| 11 CSI ring     | Inconel                |            |
| 12 CSE ring     | Inconel                |            |
| 13 Shaft        | 1.4980/1.4571          | -/316Ti    |



| Type 17800 - Standard design  |                   | Technical data |       |       |       |       |       |       |       |
|-------------------------------|-------------------|----------------|-------|-------|-------|-------|-------|-------|-------|
| Nominal size                  | DN                | 80             | 100   | 150   | 200   | 250   | 300   | 350   | 400   |
| Face-to-face dimension        | FF                | 180            | 190   | 210   | 230   | 250   | 270   | 290   | 310   |
| Max. Height (depending on PN) | H                 | 695            | 768   | 952   | 1020  | 1139  | 1165  | 1178  | 1273  |
| Outside pipe-Ø ISO 1127       | RA                | 88.9           | 114.3 | 168.3 | 219.1 | 273.0 | 323.9 | 355.6 | 406.4 |
| Wall thickness pipe ISO 1127  | a                 | 3.2            | 3.6   | 4.5   | 6.3   | 7.1   | 8.0   | 8.0   | 8.8   |
| Outside pipe-Ø ASTM A312      | RA                | on request     |       |       |       |       |       |       |       |
| Wall thickness pipe ASTM A312 | a                 | on request     |       |       |       |       |       |       |       |
| Length                        | E                 | 428            | 462   | 503   | 540   | 579   | 605   | 625   | 685   |
| Length                        | L                 | 129            | 158   | 204   | 241   | 281   | 307   | 333   | 383   |
| Length (depending on PN)      | M                 | 333            | 423   | 605   | 710   | 876   | 876   | 1536  | 1742  |
| Max. Weight (depending on PN) | ca. kg            | 31.0           | 47.0  | 124.0 | 170.0 | 325.0 | 355.0 | 613.0 | 838.0 |
| *Kvs-Value                    | m <sup>3</sup> /h | 118            | 258   | 654   | 1443  | 2431  | 3720  | 5120  | 7321  |
| *Cv-Value                     | gal/min           | 137            | 300   | 760   | 1680  | 2850  | 4314  | 5953  | 8513  |

Dimensions in mm. \* These figures refer to measurements for the flow direction.