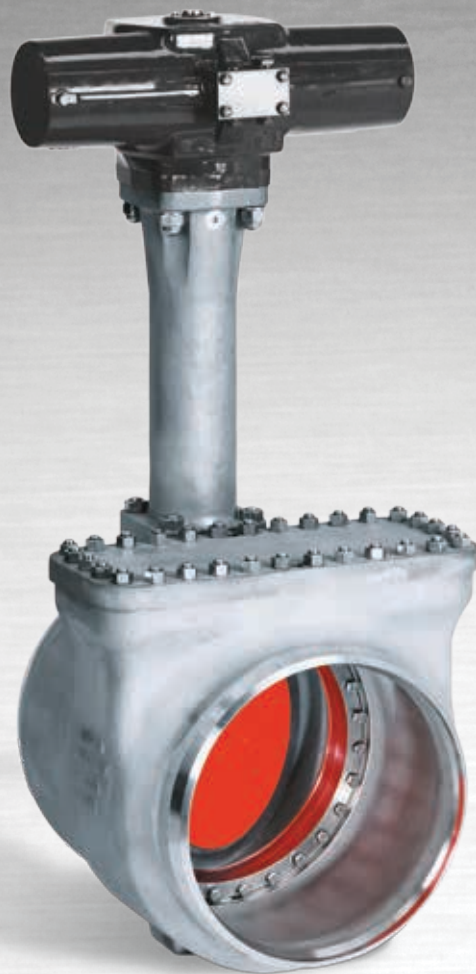


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## DANAIS TBT II – Cryogenic Offset-disc Butterfly Valve



Danais TBT II Butt Weld Side Entry  
with hydraulic actuator

### Applications:

- All liquefied gases
- LNG tankers
- LNG terminals
- Oxygen
- Process engineering
- Pipelines and tank farms

### More information:

[www.ksb.com/products](http://www.ksb.com/products)



Danais TBT II with  
flanged ends

# DANAIS TBT II – Cryogenic Offset-disc Butterfly Valve

## 1 Straightforward insulation

of the actuator for cryogenics applications through long neck extension

## 2 Perfect tightness

- Plain bearings perfectly guide the stem, ensuring tight shut-off even at full rating.
- Two independent sealing devices
- No need to retighten the gland packing

## 3 Easy maintenance

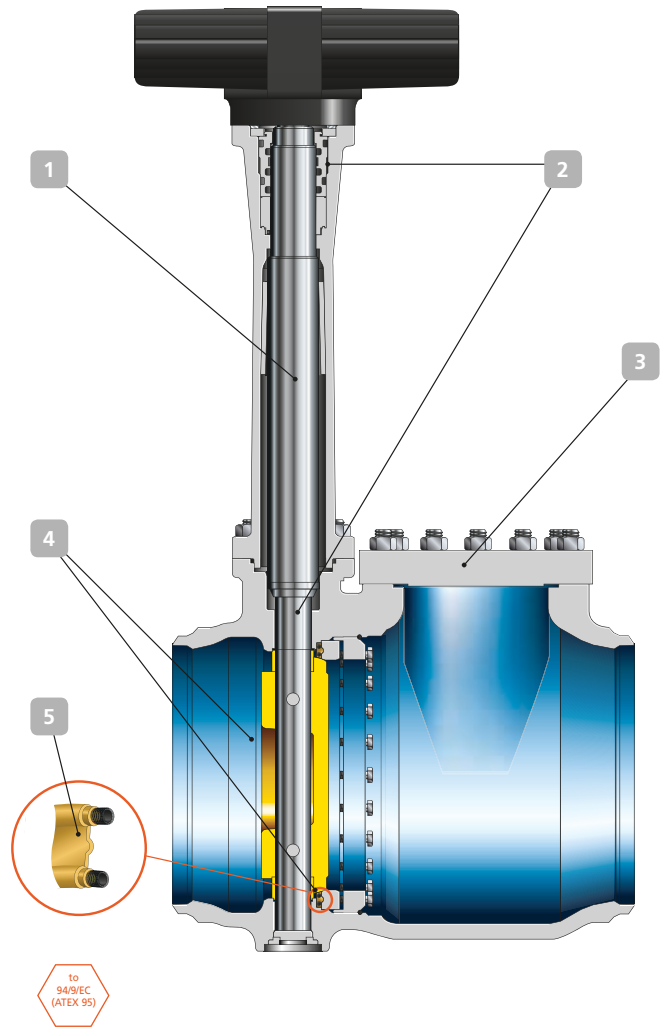
Removable cover for regularly checking the seat and valve disc. No special tools required for replacement.

## 4 Long life – low life cycle cost

- Seal ring, located in the body, is not subjected to wear.
- Over-travel stop protects seat and valve disc in case of wrong (re)assembly of the actuator.

## 5 KSB design metal gasket ensures:

- Unmatched tightness even in reverse flow direction and at cryogenic temperature
- Long service life
- Easy maintenance



### Materials

Body	Stainless steel CF 8 M / 1.4408 Stainless steel CF 3 M / 1.4409
Stem	Stainless steel A479 Gr. 316L Stainless steel A479 Gr. XM19
Valve disc	Stainless steel CF 8 M / 1.4408 with stellite hard-facing
Seat	Copper

Note: ATEX design in compliance with the 94/9/EC Directive. Fire-safe design to EN-ISO 10497 (BS6755-API 6FA). Flanged ends to EN, ASME. Other flanges on request. Safety requirements in compliance with the 97/23/EC European Pressure Equipment Directive. SIL3-capable to IEC 61508:2010. Lip seal ring for installation in any position. Drip plate for insulation.

### Technical data

Nominal size	DN 50 to 1500
Pressure class	150
Temperature range	-250 °C to + 200 °C
Body design	Full lug body, flanged body, butt weld side entry
Face-to-face length	ISO 5752 Series 13 / 20 ISO 558.1 Series 13 / 20 API 609 Class 150 / 300
Actuators	HQ / HQ-GS ACTAIR / DYNACTAIR MR
Automation	AMTROBOX R



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