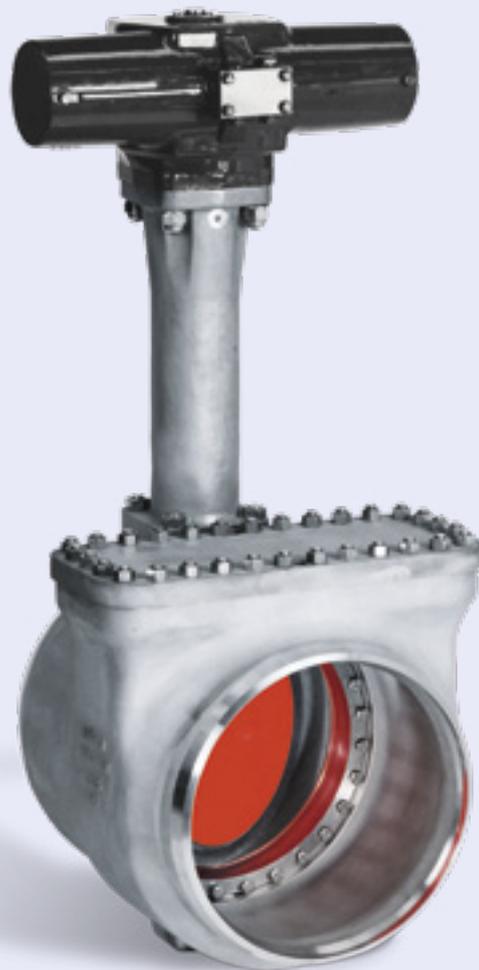


► Our technology. Your success.

Pumps • Valves • Service



DANAÏS CRYO – Cryogenic Offset-disc Butterfly Valve



DANAÏS CRYO Butt Weld Side Entry
with hydraulic actuator

Applications:

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

More information:

www.ksb.com/en-gb/product



DANAÏS CRYO with
flanged ends

DANAIS CRYO – Cryogenic Offset-disc Butterfly Valve

1 Thermal Insulation

- Actuator is insulated from cryogenic temperature thanks to long extended bonnet
- Valve can be insulated at site with drip plate (option)

2 Perfect Tightness

- Plain bearings perfectly guide the stem, and the triple tightness at shaft passage permit to have fugitive emission according to ISO 15848 Class AH (most severe rate);
- Bi-directional tight shut-off sealing at ambient and cryogenic temperature

3 Easy installation

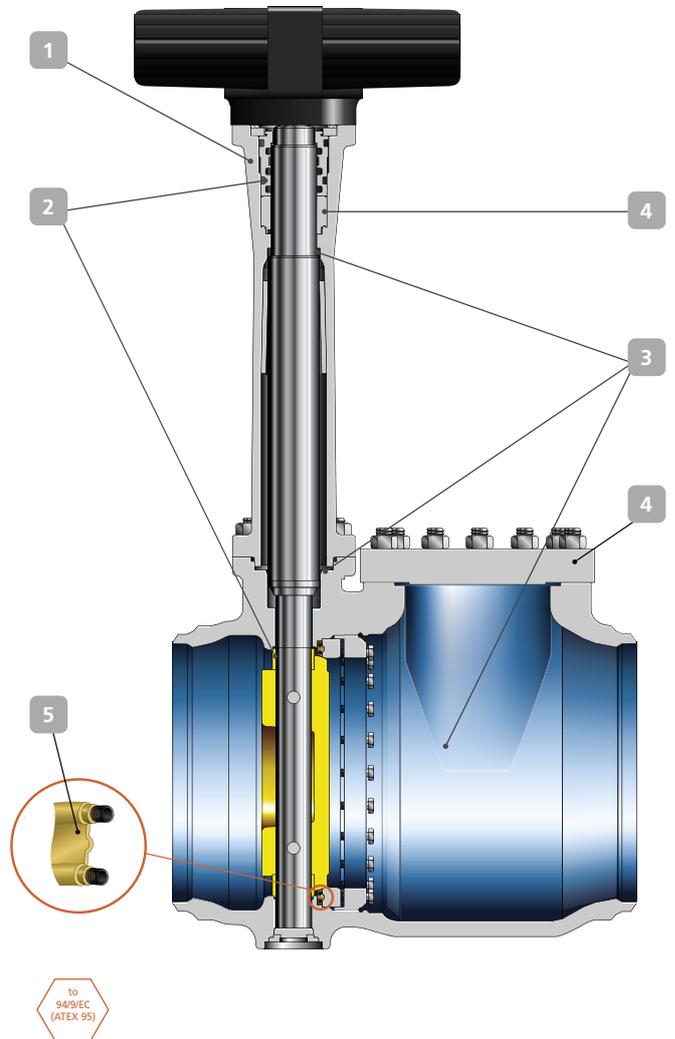
- Lifting lugs on body for easy handling;
- Lip seal ring for installation in any position, even upside down;
- Anti-ejection shaft to protect people;

4 Zero Maintenance

- No need to retighten the packing gland
- Removable cover for regularly checking the seat and valve disc
- No special tools required for seat replacement

5 Long service life (low life cycle cost)

- Seal ring is not subject to wear
- Over-travel stop protects seat and disc in case of wrong (re)assembly of the actuator



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 Stainless steel

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	-260°C to +200°C
Body design	Flanged body, butt weld side entry
Face-to-face length	ISO 5752 Series 13 ISO 558.1 Series 13 API 609 Class 150
Actuators	HQ / HQ-GS ACTAIR / DYNACTAIR MR
Automation	AMTROBOX R



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