

TRIODIS – High performance triple offset Butterfly Valve

1 Perfect tightness even at cryogenic temperature

- One piece shaft design and extra long plain bearings ensure the highest up-/down-stream tightness performances even at full rating
- At shaft passage, two sealing barriers ensure a reliable tightness without retightening of packing gland

2 Easy maintenance

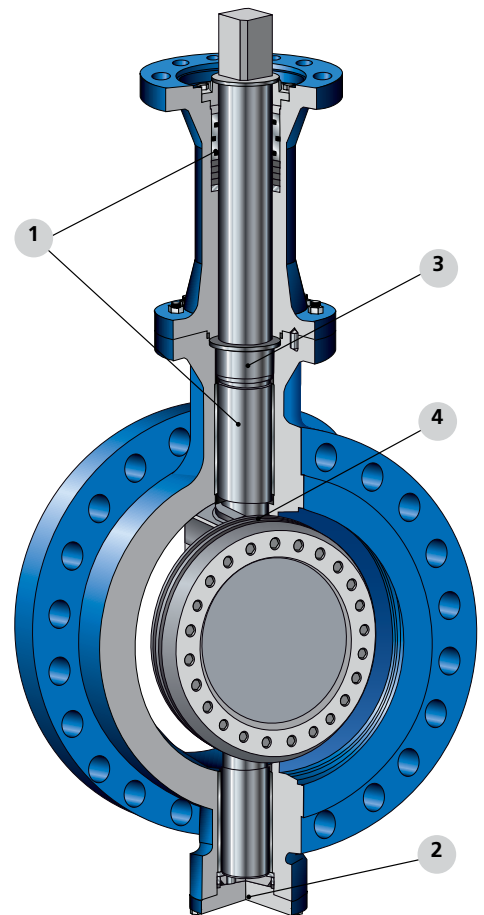
- Plug at bottom cover (fire safe tested) for fluid draining
- Replacement of the seat without specific tool
- Replacement of graphite packing without specific tool
- Vent hole can be used as an additional tightness barrier at shaft passage

3 Safety

- TRIODIS meet the fire safety standard of ISO 10497
- Anti blow out system to protect operators
- TRIODIS does not need a stopper in the closed position
The seat is the natural stopper

4 KSB design is particularly reliable:

- perfect matching of the sealing surfaces so that the valve is bubble tighten at high pressure levels
- possibility to use the HELICOFLEX® gasket which is a worldwide recognized gasket for its highest tightness performances (cf DANAIS)



Materials

Body Stainless steel CF 3 M / 1.4409
Carbon steel WCC/ 1.0619
Carbon steel WCB
Carbon steel LCC / 1.6220
Carbon steel LCB

Stem Stainless steel A479 gr.316L
Stainless steel A479 gr.XM19
Stainless steel A564 gr.630 / 1.4542
Stainlees steel AISI 431 / 1.4057

Disc Stainless steel CF 8 M / 1.4408
Stainless steel CF 3 M / 1.4409
Carbon steel WCC/ 1.0619
Carbon steel WCB
Carbon steel LCC / 1.6220
Carbon steel LCB

Seat Laminated (graphite + stainless steel)
Metal (stainless steel or copper)

Technical Data

Size	DN 100 to 1 200
Pressure class	150, 300, 600
Temperature range	-250°C to + 260°C
Body design	Wafer body, Full lug body, Flanged body, Butt weld side entry
Face to Face	ISO 5752 serie 13 / 20 ISO 558.1 serie 13 / 20 ISO 558.1 serie 14 API 609 class 150 / 300 / 600

Note:

ATEX design in compliance with the 94/9/EC Directive. Fire-safe design to ISO 10497. Flanged ends to EN, ASME. Other flanges on request
Safety requirements in compliance with the 97/23/EC European Pressure Equipment Directive. Lip seal ring for installation in any position
Drip plate for insulation



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