

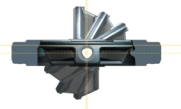


T / ZERO LEAKAGE

Le-Off-Set Technology

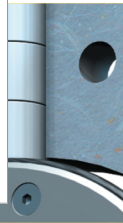
Double-off-set seat and operating features ensure the best performance for the bearing in the seat and the advantages:

It is removed all of the stress from the seat. The use of steel for the disc.



The Zero Leakage Solution

Benefit from the Dynaxe zero leakage solution for pressures of up to 30 bar and – depending on the valve material – a temperature range of -20°C to 260°C. Each seating option is tested according to ISO 5208 leak test, providing maximum security. Given the higher leakage rate requirements needed. All soft-seated and the soft Dynaxe materials provide a 30% directional service. The metal-to-metal seating is tested unidirectional.



SEALINGS

Standard Seals



RTFE 130*

- PTFE reinforced, filled with 15% glass, 3% graphite, 12% carbon and a PTFE G-Ring (Bristol)
- Temperature range: -20°C to 130°C
- RTFE 130* is the most used seating and suitable for a multitude of applications.



RTFE 264*

- PTFE reinforced, filled with 15% glass, 3% graphite, 12% carbon and a PTFE G-Ring (Bristol)
- Temperature range: -20°C to 264°C
- This design improves the temperature resistance.



METAL-TO-METAL

- Laminated metal seat made of stainless steel and pure graphite.
- Temperature range: -20°C to 425°C
- Typical solution for especially high and/or low temperature applications.
- Fire safe tested according to BS 6759 part 2



FIRE-SAFE

- PTFE reinforced, filled with 15% glass, 3% graphite, 12% carbon and a PTFE G-Ring (Bristol). Additionally, a metal back ring ensures a shut-off under fire conditions.
- Temperature range: -20°C to 130°C
- Fire safe tested according to API 607 part 4.



SOLID METALLIC SEAL

- The solid metallic seat is available in two different materials to extend the range of applications.
- AIN-8000**
- Temperature range: -10°C to 425°C
- It is a fully self-aligning regulator and the resulting high flow velocity.
- Inconel 625**
- Temperature range: -20°C to 540°C
- Withstands extreme temperature stress and meets other special requirements.

2 THE NEW STANDARD

Dynaxe sets the new standard for double-off-set butterfly valves. It is the result of an integrated design approach to lift this technology onto an even higher level of performance, with a multitude of new and optimized features complementing each other. Special emphasis was put on a flexible product design enabling an exact finishing according to customer specifications. The resulting technical and economical advantages of the precise and proven Dynaxe technology have led to an improved life cycle as well as higher productivity and security – guaranteed customer satisfaction!

Who We Are

ConVey are the specialists for high performance butterfly valves at PCC EuroValve, with a proven track record as part of the PCC Flow Technologies Group. Innovative products such as Dynaxe and 4.0 have secured the brand's technological leadership in the market.

Renowned as the producer and supplier with the most complete range of flow management solutions, PCC Flow Technologies operates sales offices all around the world. A strong customer relationship is ensured as PCC expert technicians and consultants are always close-by, no matter where the expert is needed. The production facilities employ the latest technology for the design and manufacturing of valves, pumps and instruments for the industrial, commercial, municipal and utility markets.

3 FEATURES

Dynaxe Features

- Double-sided shaft packing
- Water and bag residues
- Flushing disc
- Sealing on the disc
- Double-sided shaft packing

Key extraction according to ISO 5211 with a shaft option

Polygon camming between shafts and disc, safe for use for high torque and high frequency of operation

Two Disc

Asymmetric operation according to API 607 (Part 1)

Anti-flow-out according to API

EXECUTIONS

- Design in metal and top, double forged on request
- Standard sizes: DN32 to DN100 (3/4" to 4") standard; larger sizes on request
- Flange connection: PN 10 / 16 / 24 / 40, ANSI class 150 / 300
- Face to face dimensions according to EN558-1/2, ISO 5202, API 607
- Materials: Carbon Steel, Stainless Steel, Titanium, Hastelloy, Inconel 625, Duplex, 2205 and 2507 and Non-ferrous
- Sealing: RTFE soft-seated, metal-to-metal and Top-seat

MARKET SEGMENTS

- Oil and gas processing
- Offshore platforms
- Process chemical refineries
- Sea storage transportation
- Heating, ventilation, air conditioning (HVAC)
- Chemical treating
- Shipbuilding
- Power generation
- Chemical plants
- Steel plants
- Paper and pulp

OPERATING CONDITIONS

- Operating pressure: max. 30 bar
- Temperature range: -20°C to 425°C, depending on material and metal choice
- Pressure temperature relation according to ASME 1B, 2A and API 607
- Zero leakage according to ISO 5208 (new A)
- In compliance with Pressure Equipment Directive (PED)



Corporate Design

Client PCC EuroValve, Losser / The Netherlands Industrial Valves

Requirements Design new corporate design in keeping with the main brand and 5 independent sub-brands as well as a matrix of 16 application areas and 17 products. The existing logos of the main brand and sub-brands were not to be changed but integrated into the new design.

Realisation A PCC EuroValve specific colour palette was developed providing an interesting, fresh and modern image. The sub-brands are clearly identifiable through the use of a colour code as well as the integration of the respective logos. Additionally, a guide using icons of the different application areas allows easy navigation through the complex product matrix. The industrial valves have been displayed in detail and with close-ups in this spacious design to increase visual awareness.