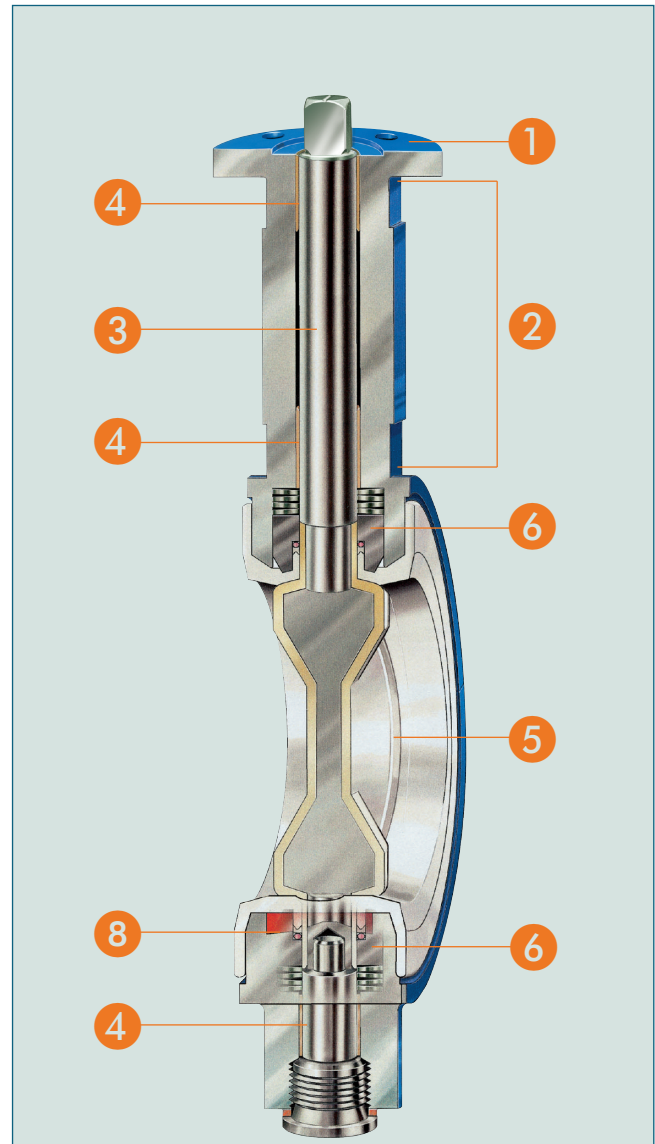


QUALITY FEATURES

PTFE-VALVES

SUMMARY OF PRODUCT ADVANTAGES

- 1 Top flange conforms to EN/ISO 5211.
- 2 EBRO Butterfly valves comply with the requirements of the Heating System Regulations dated May 1998.
- 3 The one piece disc/shaft with centric bearing is safe against expulsion and, including the whole safety sealing, PTFE-coated. The virgin PTFE-coating of the disc is 3 mm in thickness as a minimum.
- 4 The shaft is carried in triple, maintenance-free bearings.
- 5 The proven design of the sealing between the valve disc and the body liner ensures safe long-term operation due to the lack of critical transitional zones.
- 6 Double sealing at both shaft passages as standard. Primary sealing (= main sealing) Transmitting prestress by means of a maintenance-free Belleville spring washer assembly. Secondary sealing (= EBRO safety sealing) is achieved by a matching combination of PTFE gaskets and additional O-Rings.
- 7 The PTFE seal is isostatically pressed and PTFE-coated with a minimum thickness of 3 mm (see picture 2). The wide chambered sealing serves as a double-sided sealing of the flange.
- 8 Due to its design, the inner contour of the body ensures optimized contact pressure of the resilient elastomer. An opening and closing unnecessary loads which affect the liner are avoided.



picture 1

- 1 The liner has a stable design. The faying surfaces of the shaft sealing are isostatically pressed.
- 2 The operational surfaces of the shaft sealing are mechanically machined to fit accurately. Due to the lack of recovery violent adaption damages PTFE which is generally avoided by this construction.
- 3 The sealing surface without critical transitional zones ensures perfect 360° sealing of the passage area. Kv-Values as well as opening and closing torques are optimized, long service life is guaranteed.



picture 2: conductive PTFE-seal