

Manufacturer`s Declaration

We confirm that the stem sealing designed for
rotary valves supplied by

Pfeiffer Chemie-Armaturenbau GmbH

is of the same standard as the sealing system and material combination
listed in the Appendix 1
according to the First General Administrative Regulation to the
German Federal Immission Control Act (Technical Instructions on Air Quality Control),
shortened to

TA-Luft

Edition July 2002, Section 5.2.6.4

and

VDI 2440

Edition November 2000, Section 3.3.1.3

Products within the scope include:

Series BR 20a; 21a; 20b; 23e; 27d/e; 27m/l Ball Valves

Series BR 10 Butterfly Valve

PTFE / PFA-lined Rotary valves with the sealing system as described in Appendix 1

**This Manufacturer`s Declaration is only valid in connection with Appendix 1
of this Declaration.**

Kempen, 4. August 2004

Lorenz Stolzenberg, Managing Director

This Manufacturer`s Declaration has been generated electronically and is also legally binding without signature.

Appendix 1

to Manufacturer's Declaration <HE TA-05_EN>

- **Design conditions:**

- The sealing systems that were tested had metal stems and a PTFE V-ring packing which is dynamically pressed by a set of Belleville spring washers onto the stem using a defined compression.
- Due to the design of the sealing system, those features that are relevant to the system can be transferred to comparative seals.

- **Sealing systems in butterfly valves**

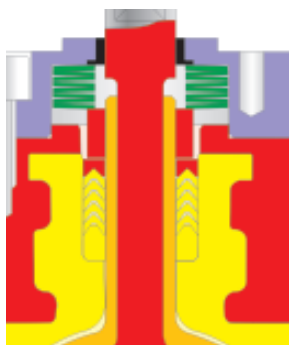


Fig. 1 - PTFE-lined Ball valve Series 20a / 21a

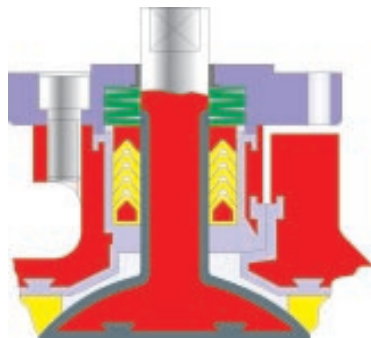


Fig. 2 - PFA-lined Ball valve Series 20b

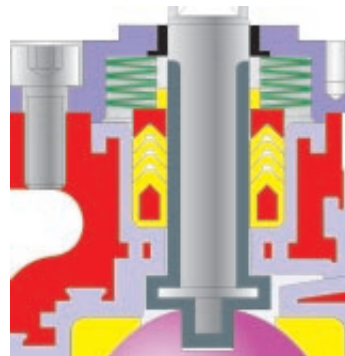


Fig. 3 - PFA-lined Sampling valve Series 27

- **Sealing systems in butterfly valves**

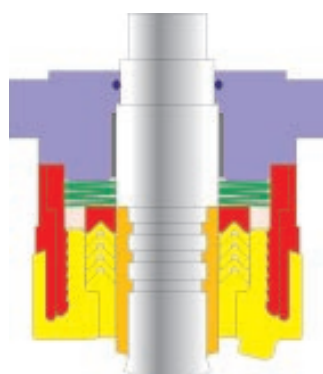


Fig. 4 - PTFE-lined Butterfly valve Series 10a

- **Sealing systems in rotary plug valves**

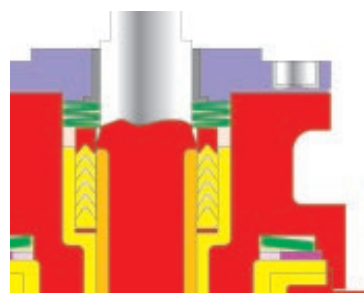


Fig. 5 - PTFE-lined Rotary plug valve Series 23e

For your special requirements please contact our technical sales department.

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