Pfeiffer
Chemie-Armaturenbau GmbH

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 22; 23; 26; 27; 28; 29; 51b Ball Valves
Series BR 14 Butterfly Valve
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, 12. July 2007 Lorenz Stolzenberg, Managing Director

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

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Appendix 1

to Manufacturer's Declaration <HE TA-02_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**

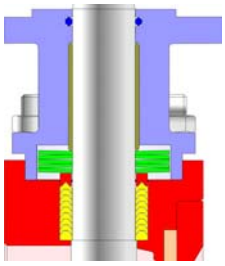

Fig. 1 – Series 14 Stainless Steel Butterfly Valve

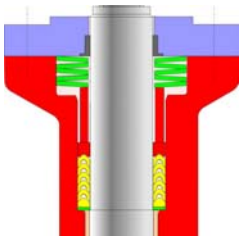

Fig. 2 - Series BR 14 Stainless Steel Butterfly Valve with live-loaded V-ring packing

- **Sealing systems in ball valves, sampling valves, and piggable ball valves**

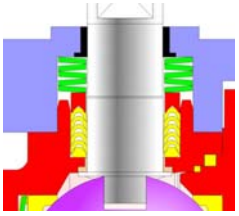

Fig. 3 – Stainless steel ball valve

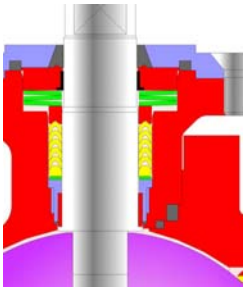

Fig. 4 - Stainless steel ball valve

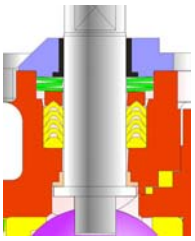

Fig. 5 – Ball valve in Fire-Safe design

- **Sealing systems in rotary plug valves**

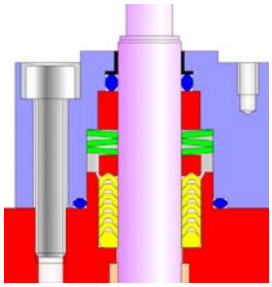

Fig. 6 - Series BR 23 Stainless Steel Rotary Plug Valve

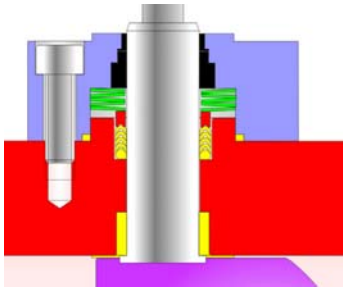

Fig. 7 - Series BR 23 Stainless Steel Rotary Plug Valve

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