

# 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.

# 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**

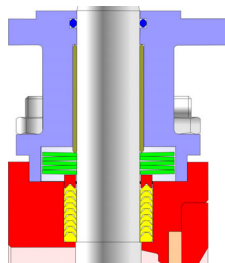


Fig. 1 – Series 14 Stainless Steel Butterfly Valve

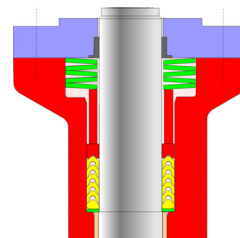


Fig. 2 - Series BR 14 Stainless Steel Butterfly Valve with live-loaded V-ring packing

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

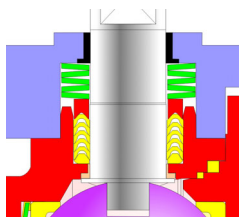


Fig. 3 – Stainless steel ball valve

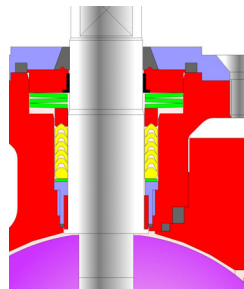


Fig. 4 - Stainless steel ball valve

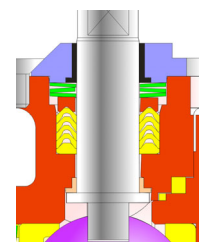


Fig. 5 – Ball valve in Fire-Safe design

- **Sealing systems in rotary plug valves**

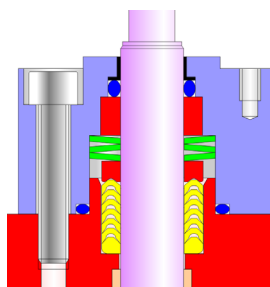


Fig. 6 - Series BR 23 Stainless Steel Rotary Plug Valve

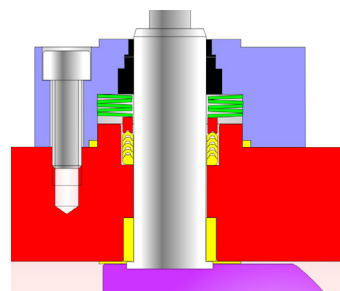


Fig. 7 - Series BR 23 Stainless Steel Rotary Plug Valve