



Industrie Service

**Certificate of conformity with TA-Luft  
(Technical Instructions on Air Quality Control)  
VDI 2440 and EN ISO 15848-1**

**FLOWERVE Essen GmbH  
Schederhofstraße 71  
D-45145 Essen**

**Attestation No. IS-AN5-MUC-2103-754785-002**

We hereby confirm that the stem seal SureSeal HP (packing type VALTEC 7250) made by the above company was tested and approved according to TA Luft, EN ISO 15848-1:2019 and VDI 2440:2000. For more detailed information see test report No. 02\_2018.

The product fulfils the following requirements of EN ISO 15848-1 and VDI 2440:

- Vacuum procedure: Helium/Annex
- Tightness class: BH
- Temperature class: +250 °C
- Classification level: CC1 (20,000 cycles)
- Rated pressure: PN160
- Number of re-adjustments: SSA1

This attestation is based on the test programme of TA LUFT EN ISO 15848-1:2015/A1:2017, which covers leakage measurement of sealing systems for compliance with the specific leakage rate in accordance with TA-Luft, EN ISO 15848-1 [ $\lambda \leq 1 \times 10^{-4} \text{ mg / s x m}$ ] and according to VDI 2440 [ $\lambda \leq 1 \times 10^{-4} \text{ mbar x l / (s x m)}$ ] under the above conditions.

Product description:

- Stem seal: SureSeal HP
- Packing: VALTEC 7250
- Surface compression according to user instructions
- Specified structure of packing
- Quality of packing materials as per purchase-order specifications
- Surface roughness in accordance with drawings
- Dimensions, shape and position tolerances in accordance with drawings
- Spring characteristic curve of the preload springs according to the order specifications

Identification:

ISO FE BH – CC1 – SSA1 – t 250 °C – PN160 – ISO 15848-1

Extension of qualification to include untested stem seals (clause 8, ISO 15848-1):

- This type of packing is used in similar designs of the same construction in valves of the Kaemmer series: HPFlow, DrainFlow, SmallFlow, ColdFlow, TotalFlow, CleanFlow, LinedFlow & Multi-Z.
- The class and/or PN rating of the valve is the same or lower.

This attestation is valid until **March 2024**.

Munich, 31 March 2021

TÜV SÜD Industrie Service GmbH  
Institute for Plastics

  
i. A. Schweizer

