



## Confirmation of Leakage Rate according to TA-Luft

**Swissfluid AG**  
**Industriestrasse 40**  
**5600 Lenzburg / Switzerland**

**No. IS-AN5-MUC-2407-100251585-001**

We hereby confirm that the shut-off valve SBP / SBE of the above-mentioned company has the properties specified in

- TA-Luft (18.08.2021), § 5.2.6.4
- DIN EN ISO 15848-1 (07-2017)

has been verified and approved. Details can be found in the corresponding test report with the order no. 3979005.

**The product meets the following requirements according to TA-Luft:**

- Tightness or compliance with the specific leakage rate of the shaft sealing system in accordance with DIN EN ISO 15848-1, Class BH, Annex C

≤ 2,67\*10<sup>-5</sup> mbar\*l/s or 1,00\*10<sup>-4</sup> mg/s per meter shaft circumference  
 ≤ 50 ppmv (housing seal)

Shaft seal:

Procedure:	Suction method with helium according to Annex A2.2, ISO 15848-1
Leakageclass:	BH ≤ 10 <sup>-4</sup> mg/s (per meter shaft circumference)
Spindle seal:	Specified seal structure / seal package
Strength class:	≥ CO3
Temperature class:	-40 until +220 °C sealing system
Stem seal adjustments:	SSA 0 (no stem seal adjustments)

Housing seal:

Procedure:	Sniffing method with helium to annex B, ISO 15848-1
Leakageclass:	≤ 50 ppmv (≤ 5 x 10 <sup>-5</sup> mbar*l/s)

The product receives the marking:

Sealing system:

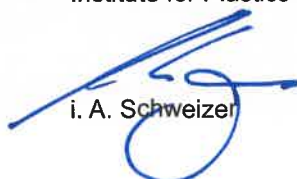
ISO FE – BH – CO3 – SSA0 – t (-40 °C / +220 °C) – PN16 – ISO 15848-1

The attestation is based on the test program of TA-Luft (18.08.2021) § 5.2.6.4 and the type test DIN EN ISO 15848-1 (07-2017), which include the leakage proof of sealing joints with regard to compliance with the specific leakage rate under the above mentioned conditions. This attestation is not valid until Swissfluid AG has carried out a leakage and material test and issued a works certificate in accordance with EN 10204, 2.2, stating the exact product designation. A prerequisite for the validity of the attestation is that the original operating instructions are observed and complied with. In order to ensure permanent tightness, the following requirements must be met for the inspection and maintenance of the sealing systems are laid down in management instructions in accordance with DIN EN 1591-4 (12-2013) or the guideline VDI 2290 (06-2021).

**This confirmation is valid until July 2027.**

Munich, den 24 July 2024

TÜV SÜD Industrie Service GmbH  
 Institute for Plastics

  
 i. A. Schweizer

