



Industrie Service

**Attestation as per TA Luft / VDI 2440 / VDI 3479
and EN ISO 15848-1**

**Swissfluid AG
Industriestraße 40
5600 Lenzburg**

Attestation No. IS-AN5-MUC-2101-100251585-001

We hereby confirm that the ball valve specified below and made by the above company was tested and approved according to VDI 2440 (2010) / VDI 3479 (2010) / EN ISO 15848-1 (2010) with more stringent requirements regarding the leakage rate. The details are outlined in the pertinent test report.

Product description:

- Ball valve of the type SBV, lined with PFA

Nominal diameters: DN15 - DN150 PN16 full port
DN200 PN10, DN250 PN10 reduced port
½" - 8" ANSI 150 lbs full port, 10" ANSI 150 lbs reduced port

The product satisfies the following requirements:

- TA-Luft standard (measurement of leakage) as per VDI 2440 / VDI 3479
- Leak test according to EN ISO 15848-1 [$\lambda \leq 1 \cdot 10^{-4} \text{ mg} \cdot \text{s}^{-1} \cdot \text{m}^{-1}$]

Service conditions:

- Ball valve SBV
- Tightness class BH
- Load cycles: 1000 / CO1
- Temperature: -20 °C - 200 °C
- Visual verification of the required surface pressure set forth in the operating manual
- Specified structure of the seal assembly

Performance category:

ISO FE BH – CO1 - SSA 0 – t - PN 16

The product meets the requirements for leakage measurement defined in Section 5.2.6.4 of the TA-Luft standard.

The attestation covers leakage measurement carried out on a stem seal as per VDI 2440 / VDI 3479 to verify tightness / compliance with the specific leakage rate defined in the TA-Luft standard [$\lambda \leq 1 \cdot 10^{-4} \text{ mbar} \cdot \text{l} / (\text{s} \cdot \text{m})$; $\Delta p = 16 \text{ bar}$ depending on type] and extended tests under the above operating conditions.

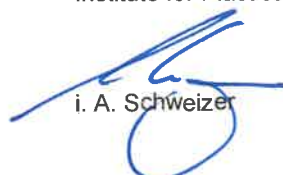
The attestation covers leakage measurement carried out on a stem seal as per VDI 2440 / VDI 3479 / EN ISO 15848-1 to verify tightness / compliance with the specific leakage rate defined in the TA-Luft standard [$\lambda \leq 1 \cdot 10^{-4} \text{ mg} \cdot \text{s}^{-1} \cdot \text{m}^{-1}$] and extended tests under the above operating conditions.

This attestation will not be valid until Swissfluid AG in Lenzburg has completed leak and material testing and prepared a manufacturer's certificate in accordance with EN 10204, 3.1, including the exact type designation plus serial number.

This attestation is valid until January 2024.

Munich, 29 January 2021

TÜV SÜD Industrie Service GmbH
Institute for Plastics


i. A. Schweizer

