



Industrie Service

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

**Swissfluid AG
Industriestraße 40
5600 Lenzburg**

We confirm with this attestation No. IS-AN5-MUC-1701-100251585-001 that the butterfly valve specified below and made by the above company was tested and approved according to VDI 2440 / VDI 3479 / EN ISO 15848-1 with more stringent requirements regarding the leakage rate. The details are outlined in the pertinent test report.

Product description:

Butterfly valve of the type SBP, fully lined or with metallic disc

Nominal diameters: DN15 - DN150 PN 16
DN 200 - DN 1000 PN 10
1" - 42" ANSI 150 lbs

The product satisfies the following requirements:

- TA-Luft standard (measurement of leakage) as per VDI 2440 / VDI 3479
- Leak test according to EN ISO 15848-1:2006 [$\lambda \leq 1 \cdot 10^{-4} \text{ mg} \cdot \text{s}^{-1} \cdot \text{m}^{-1}$]

Service conditions:

- Butterfly valve SBP
- Tightness class BH
- Load cycles: 2000 / CO₂
- Temperature: -40 °C bis max. 200 °C
- Visual verification of the required surface pressure set forth in the operating manual
- Specified structure of the seal assembly

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

The confirmation 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 [$\lambda \leq 1 \cdot 10^{-4} \text{ mbar} \cdot \text{l}/(\text{s} \cdot \text{m})$ depending on type] and the EN ISO 15848-1 with the specific leakage rate [$\lambda \leq 1 \cdot 10^{-4} \text{ mg} \cdot \text{s}^{-1} \cdot \text{m}^{-1}$] and extended tests under the above operating conditions.

This confirmation 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 confirmation is valid to January 2020.

Munich, 26 January 2017

TÜV SÜD Industrie Service GmbH
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