BESCHEINIGUNG ◆ ATTESTATION ◆ 证明书 ◆ СВИДЕТЕЛЬСТВО ◆ CONSTANCIA ◆ ATTESTAZIONE

TÜV SÜD
Industrie Service

Attestation of TA-Luft / VDI 2440 / VDI 3479 and DIN EN ISO 15848-1

Swissfluid AG
Industriestraße 40
5600 Lenzburg

No. IS-AN5-MUC-2004-100251585-001

Hereby, it is confirmed 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 [$\lambda \leq 1*10^{-4}$ mg*s^{-1}*m^{-1}]

Service conditions:
- Butterfly valve SBP
- Tightness class BH
- Load cycles: 2000 / CO_2
- 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. This 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 [$\lambda \leq 1x10^{-4}$ mbar x l/(s x m) depending on type] and the EN ISO 15848-1 with the specific leakage rate [$\lambda \leq 1*10^{-4}$ mg*s^{-1}*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 attestation in accordance with EN 10204 3.1, including the exact type designation plus serial number.

This attestation is valid to April 2023.

Munich, 27 April 2020

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