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

TÜV SÜD
Industrie Service

Attestation of Leakage Rate
Nr. IS-AN5-MUC-2411-10188980-007

GEMÜ

Gebr. Müller Apparatebau GmbH & Co. KG
Fritz-Müller-Straße 6 - 8
74653 Ingelfingen

we hereby confirm that the butterfly valve series Victoria® 480 / 481 / 487 / 488 und Victoria® R480 / R481 / R487 / R488 of the above-mentioned company with regard to the properties according

- TA-Luft (07-2002), § 5.2.6.3 / § 5.2.6.4 & Neufassung der TA-Luft (12-2020)
- VDI 2440 (11-2000), § 3.3.1.3 / § 4.3.1.4
- VDI 2440 (6-2021), § 6.3.1.3
- DIN EN ISO 15848-1 (07-2017)

has been verified and approved in accordance with TA-Luft. Details can be found in the corresponding test report with the A-No. 3311102 butterfly valve series Victoria® 480 / 481 / 487 / 488 und Victoria® R480 / R481 / R487 / R488.

The product fulfills the following requirements under the max. allowable operating conditions for the test medium helium defined by the manufacturer:

Tightness or compliance with the specific leakage rate as defined in TA-Luft (07-2002), § 5.2.6.4 and new version of TA-Luft (12-2020), § 5.2.6.3. and VDI 2240

$\leq 1\times10^{-4}$ mbar×l × s^{-1} m^{-1} and $\leq$ 0,01 mg×s^{-1} m^{-1}

Compliance and assessment based on the requirements of the TA-Luft and DIN EN ISO 15848-1

Housing seal: ≤ 50 ppmv
Classification in the tightness class: BH $\leq 10^{-4}$ mg×s^{-1} m^{-1}

Product description:

- Butterfly valve Victoria® 480 / 481 / 487 / 488 and Victoria® R480 / R481 / R487 / R488
- 480 / R480 (free shaft end)
- 481 / R481 (pneumatically driven)
- 487 / R487 (manually driven)
- 488 / R488 (electrically driven)

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The product receives the marking:

ISO FE – BH – C03 – SSA0 – t (-10 °C/+150 °C) – PN16 – ISO 15848-1

C03:	2500 mechanical cycles (full stroke)
SSA0:	Number of readjustments: 0
Temperature classes:	-10 °C to +150 °C
Nominal pressure:	According to product brochure pressure / temperature

- Management instructions for installation, testing and maintenance of the sealing systems
- Type testing according to guideline VDI 2440 and DIN EN ISO 15848-1

The attestation is based on the test programme of TA-Luft and DIN EN ISO 15848-1. This attestation includes the verification of flange gaskets and fittings with regard to tightness / leakage rate. This was proven by initial testing.

This confirmation is valid from November 2027.

Munich, 21 November 2024

TÜV SÜD Industrie Service GmbH
Institute for Plastics

i. A. Schweizer

TÜV SÜD Industrie Service GmbH

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