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

Attestation of Leakage Rate

Nr. IS-AN5-MUC-2512-10188980-009

GEMÜ

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

we hereby confirm that the valve of the above-named company have been tested for leakage in accordance

- TA-Luft (8/2021), § 5.2.6.4
- DIN EN ISO 15848-1 (2015/2017)
- VDI 2440 (11/2000)

has been verified and approved in accordance with TA-Luft. Details can be found in the corresponding test reports.

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 by the TA-Luft

$$\leq 1 \times 10^{-4}\ \text{mbar} \times \text{l} \times \text{s}^{-1}\ \text{m}^{-1} \text{ and } \leq 0{,}01\ \text{mg} \times \text{s}^{-1}\ \text{m}^{-1}$$

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 ≤ 10^{-4} mg×s^{-1} m^{-1}

tested and approved in accordance with VDI 2440 / DIN EN ISO 15848-1.

Product description:

Seat valves with

• Body material:	Stainless steel body with central nut
• Stem seal:	PTFE and PTFE glass fiber reinforced
• Spindle seal:	PTFE/PTFE, PTFE/FKM and PTFE/graphite
• Sealing disc:	PTFE glass fibre reinforced and graphite (Economy V150 10 C4)

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The product receives the marking:

ISO FE – BH – C03 – SSA0 – t (-10 °C/+180 °C) – PN16 – ISO 15848-1

C03:	2500 mechanical cycles (full stroke)
SSA0:	Number of readjustments: 0
Temperature classes:	-10 °C to +180 °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 (11-2000) and DIN EN ISO 15848-1 (07-2017)

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 December 2028.

Munich, 2 December 2025

TÜV SÜD Industrie Service GmbH
Institute for Plastics

i. A. Schweizer

TÜV SÜD Industrie Service GmbH

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