



Industrie Service

**Attestation of Leakage Rate**  
**Nr. IS-AN5-MUC-2411-10188980-001**



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

we hereby confirm that the ball valve series BB02, B22, B42 and B52 with actuator of the above-mentioned company with regard to the properties according

- TA-Luft (8/2021), § 5.2.6.4
- DIN EN ISO 15848-1 (2015/2017)
- VDI 2440 (11/2000) § 3.3.1.3 / § 4.3.1.4
- VDI 2440 (06/2021) § 6.3.1.3

has been verified and approved in accordance with TA-Luft. Details can be found in the corresponding test report with the A-No. 3311102 Ball valve series BB02, B22, B42 and B52.

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

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

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

**Housing seal:  $\leq 50 \text{ ppmv}$**

**Classification in the tightness class: BH  $\leq 10^{-4} \text{ mg} \times \text{s}^{-1} \text{ m}^{-1}$**

**Product description:**

- Ball valve series BB02, B22, B42 and B52
- Electric / pneumatic actuator
- Seal design PTFE



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**The product receives the marking:**

ISO FE – BH – C03 – SSA0 – t (-20 °C/+180 °C) – PN63 – ISO 15848-1

C03:	2500 mechanical cycles (full stroke)
SSA0:	Number of readjustments: 0
Temperature classes:	-20 °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 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

