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

# Attestation of Leakage Rate

**Nr. IS-AN5-MUC-2512-10188980-011**

GEMÜ

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

Hereby, it is confirmed that the linings listed below for diaphragm valves manufactured by the above-mentioned company have been tested and approved in accordance with VDI 2440 (11/2000). Details can be found in the corresponding test reports.

**Product description:**

Diaphragm valve with metal flange for diaphragm attachment, stainless steel body and spheroidal graphite cast iron

- PFA lining (diaphragm PTFE/EPDM)
- PFA lining (diaphragm FPM)
- PP lining (diaphragm PTFE/EPDM)
- PP lining (diaphragm FPM)
- Number of diaphragm movements: 0, 125, 250, 500, 1000, 2500, 5000
- Temperature change behaviour (up to max. or min. operating temperature)
- Achievement of the required surface pressure in the sealing system through installation in accordance with the operating instructions
- Visual inspection of the required surface pressure in accordance with the operating instructions
- Surface roughness in accordance with drawings
- Dimensions, shape and position tolerances in accordance with drawings
- Spring characteristic curve of the preload springs in accordance with order specifications
- Certified production monitoring

**The product meets the requirements**

- TA-Luft (leakage test) in accordance with VDI 2440, November 2000 edition.
- DIN EN ISO 15848-1/1 [$\lambda \leq 1 * 10^{-4}$ mg * $s^{-1}$ * $m^{-1}$] (11/2006)

The product meets the equivalence requirements in accordance with section 5.2.6.4 of the 'Technical Instructions on Air Quality Control' (TA-Luft / VDI 2440 in accordance with section 3.3.1.3).

In addition, the certificate includes proof of suitability of a seal in accordance with VDI 2440 with regard to tightness and compliance with the specific leakage rate according to TA-Luft [$\lambda \leq 1 \times 10^{-4}$ mbar x l/ (s x m)] and an extended test under the above-mentioned operating conditions in accordance with DIN EN ISO 15848-$^{1}$/1 [$\lambda \leq 1 * 10\text{-}4$ mg * $s^{-1}$ * $m^{-1}$] (11/2006).

**This attestation is valid until December 2028.**

Munich, 2 December 2025

TÜV SÜD Industrie Service GmbH
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