



Industrie Service



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

With the certificate no. 18 11 90235 001 according to the associated test report the company is entitled to mark its product described below with the shown certification mark of the certification body.



The product fulfills the requirements

- TA-Luft (leakage test) in accordance with VDI 2440, November 2000 edition
- VDI 3479
- DIN EN ISO 15848-1/1 [$\lambda \leq 1 \cdot 10^{-4} \text{ mg} \cdot \text{s}^{-1} \cdot \text{m}^{-1}$]

Operating conditions:

– Kz. 12	EPDM	130 °C / PS 10 bar*
– Kz. 3A/13	EPDM	150 °C / PS 10 bar*
– Kz. 6A/16/36	EPDM	150 °C / PS 10 bar*
– Kz. 17	EPDM	150 °C / PS 10 bar*
– Kz. 5A/52	PTFE/EPDM	150 °C / PS 10 bar*
– Kz. 5E/5M	PTFE/EPDM	150 °C / PS 10 bar*
– Kz. 2	NBR	-18 °C bis 80 °C / 10 bar*
– Kz. 4	FPM	-18 °C bis 150 °C / 10 bar*

* according to permissible operating range

* according to the used materials

* according to the pressure-temperature range

- 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 when fitted in line with the operating instructions
- Visual inspection as per operating instructions of the required surface pressure
- Surface roughness as per drawings
- Dimensions, shape and positional tolerances as per drawings
- Spring characteristic of the tensioning springs as per order specifications
- Certified production monitoring



Industrie Service

Performance category DIN EN ISO 15848-1:

- KZ 12 EPDM//KZ 3A/13 EPDM//KZ 12 EPDM//KZ 6A/16/36 EPDM//KZ 17 EPDM//KZ 5A/52 PTFE/EPDM//KZ 5E/5M PTFE/EPDM//KZ 2 NBR//KZ 4 FPM
- ISO FE BH-CO5-SSA 0-t (according to the above mentioned operating conditions) – PN 6 / PN 10 / PN 16

The product fulfils the equivalence requirements outlined in Section 5.2.6.4 of the German Clean Air Act (TA-Luft / VDI 2440 in Section 3.3.1.3). This certificate is based on TÜV Süddeutschland Bau und Betrieb GmbH's test standard of September 22, 1992 for verifying TA-Luft equivalence of stem seals in fittings. The certificate also proves suitability of a VDI 2440-compliant stem seal and an interior flange connection in respect of the TA-Luft requirements concerning tightness or observance of the specific leakage rate [$l = 10^{-4}$ mbar x l/(s x m)] and an extended testing under the above operating conditions. In addition, the determination of the leakage rate was based on the DIN EN ISO 15848 [$\lambda \leq 1 \times 10^{-4}$ mg x l/(s x m)] and an extended examination under the above mentioned operating conditions.

Product description:

Diaphragm valve with metal flange for diaphragm fixing and stainless steel body
nominal diameter: \leq DN 100

This certificate is valid until **November 2021**.
Annual monitoring of production.

Munich, March 2018-11-09

TÜV SÜD Industrie Service GmbH
Institute for Plastics



i. A. Schweizer