



**Attestation of TA-Luft according to
VDI 2440 (2010) / VDI 3479 (2010)**

**AMG-PESCH GmbH
Adam-Riese-Straße 1
50996 Köln**

Attestation No. IS-AN5-MUC-2502-90238-001

We hereby confirm that the stem seals specified below and made by the above company was tested and approved according to VDI 2440 (2010) / VDI 3479 (2010) with more stringent requirements regarding the leakage rate. The details are outlined in the pertinent test report.

Product description:

All stem seals listed below include valves categorized by PN and class.

- Alpha sealing assembly
(PTFE packing plus additional graphite ring spring-loaded with disc springs and outer perforated disc [fire safe])
Service conditions: 250 °C /40 bar
- Beta sealing system
(combination of O-ring and packing spring loaded by cord)
Service conditions: 200 °C /20 bar
- Gamma sealing system
(PTFE packing spring loaded by spring discs and outer perforated disc)
Service conditions: 250 °C /40 bar
- Delta sealing system
(PTFE stop disc, 2 x O-ring, PTFE stop disc)
Service conditions: 200 °C /20 bar
- Epsilon sealing system
(PTFE stop disc, 1 x O ring, 1 x graphite ring, PTFE stop disc [fire safe])
service conditions: 200 °C /20 bar
- Zeta sealing system (safety stem seal)
(PTFE stop disc, 2 x O-ring, PTFE stop disc)
Service conditions: 200 °C /20 bar
- Eta sealing system
(Chemraz/graphite stop disc, 2 x O-ring, Chemraz / graphite stop disc)
Service conditions: 320 °C/15 bar



Industrie Service

The product satisfies the requirements of:

- TA-Luft (measurement of leakage as per VDI 2440 / VDI 3479
[$\lambda_1 \leq 10^{-4}$ mbar x l/(s x m)])
- Service conditions: Depending on sealing assembly
- Number of cycles: 0, 500, 2500, 5000, 25000
- Visual verification of the required surface pressure set forth in the operating manual
- Specified structure of the seal assembly

The attestation covers leakage measurement carried out on a stem seal as per VDI 2440 / VDI 3479 to verify tightness / compliance with the specific leakage rate depending on extended tests under the above operating conditions.

This attestation is valid to December 2025.

Munich, 13 February 2025

TÜV SÜD Industrie Service GmbH
Institute for Plastics



i. A. Schweizer

