



Attestation of the leakage rate according to TA-Luft

Attestation-No: IS-AN5-MUC-2309-100331062-004

Zürcher-Technik AG
Neumattstrasse 6
4450 Sissach
Switzerland

We hereby confirm that the low-pressure regulators of the above-mentioned company have been tested for leaks in accordance with

- TA-Luft (08/2021), § 5.2.6.4
- DIN EN ISO 15848-1 (2015/2017)
- VDI 2440 (11/2000)

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

The product meets the following requirements for the test medium helium under the maximum permissible operating conditions defined by the manufacturer:

Leak tightness or compliance with the specific leakage rate as defined by TA-Luft

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

Compliance and assessment in accordance with the requirements of TA-Luft

$$\text{housing seal: } \leq 50 \text{ ppmv}$$

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

tested and approved according to DIN EN ISO 15848-1.

Product description:

- Low-pressure regulator: BRx and BSx
- Nominal size: DN 15 - DN 100, ½" - 4"
- Seal design: Specified seal structure
- Number of switching cycles: 61.000
- Body material: stainless steel, alloy



Industrie Service

The product receives the performance category:

MeLow-pressure regulator BRx and BSx
Nominal size: DN 15 - DN 100, ½" - 4"

ISO FE – BH – C061– SSA0 – t (-29 °C/+ 200 °C) – PN16 – ISO 15848-1

C061: 61000 mechanical cycles
SSA0: Number of stalkings 0
Temperature classes: -29 °C until +200 °C
Nominal pressure: according to operating instructions pressure /
temperature diagram

Management instructions for the installation, testing and maintenance of sealing systems. Type testing in accordance with guideline DIN EN ISO 15848-1.

The certification is based on the test program of TA-Luft (08/2021) and DIN EN ISO 15848-1. This certificate includes proof of the tightness/leakage rate of the housing seals and the switching shaft seals.

This attestation is valid until September 2026.

Munich, 2023-09-11

TÜV SÜD Industrie Service GmbH
Institute for Plastics


i. A. Schweizer

