



Industrie Service

Certificate of the leakage rate

Zürcher-Technik AG
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4450 Sissach / Schweiz

We hereby confirm that the leakage rate of the following named pressure reducing regulators of the Zürcher-Technik AG have been tested and accepted acc. to VDI 2440/ VDI 3479/DIN EN ISO 15848-1. The details are outlined in the pertinent report (No. 2284499).

Product description:

- Low pressure reducing regulator BR und BS: DN 15 - DN 50
- Medium pressure reducing regulator MRCib und MSCib: DN 15 - DN 50

The product satisfies the following requirements:

- TA-Luft acc. to VDI 2440 / VDI 3479 (leakage tested with helium)
- leakage test acc. to DIN EN ISO 15848-1 [$\lambda \leq 1 \cdot 10^{-4} \text{ mbar} \cdot \text{l} \cdot \text{s}^{-1} \cdot \text{m}^{-1}$]
- specified sealing design
- number of cycles: 60.500
- ageing temperature: 160 °C

Performance category:

Low pressure reducing regulator BR/BS: DN15 - DN 50
 ISO FE BH-CO61-SSA 0-t (-29 °C, 160 °C) - PN 16

Medium pressure reducing regulator MRCib/MScib: DN15 - DN50
 ISO FE BH-CO61-SSA 0-t (-29 °C, 160 °C) - PN 16

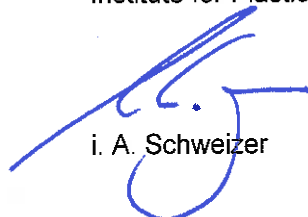
The products meets the requirements of leakage acc. to TA-Luft, clause 5.2.6.4.

The certificate includes the leakage evidence acc. to VDI 2440 / VDI 3479 / EN ISO 15848-1 and respectively the compliance of the specific leakage rate acc. to TA-Luft [$\lambda \leq 1 \cdot 10^{-4} \text{ mbar} \cdot \text{l} \cdot \text{s}^{-1} \cdot \text{m}^{-1}$] and extended tests of above named operating conditions (performance category).

This certificate is valid until November 2018.

Munich 30th November 2015

TÜV SÜD Industrie Service GmbH
 Institute for Plastics


 i. A. Schweizer

