



Industrie Service

Certificate of leakage measurement

Zürcher-Technik AG
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We hereby confirm that we have tested and approved the ball valves of the above company regarding extended requirements in accordance with the standards VDI 2440 / VDI 3479 / DIN EN ISO 15848-1. The details of the tests are outlined in the pertinent reports.

Product description:

- Ball valve series A20D / AF20D / A21D
- Ball valve series 80D
- Ball valve series AF90D / AF94D / AF96D

The product satisfies the following requirements:

- TA-Luft (measurement of leakage) as per VDI 2440 / VDI 3479
- Leakage test as per DIN EN ISO 15848-1 [$\lambda \leq 1 \cdot 10^{-4} \text{ mg} \cdot \text{s}^{-1} \cdot \text{m}^{-1}$]
- Visual verification of the required contact pressure set forth in the operating manual
- Specified gasket construction
- Operation cycles: 60.500
- Ageing temperature: 100 °C

Performance category:

A20D/AF20D:	ISO FE BH-CO61-SSA 0-t(-40 °C, 200 °C)-PN100/PN125
A21D:	ISO FE BH-CO61-SSA 0-t(-40 °C, 200 °C)-PN50
80D:	ISO FE BH-CO61-SSA 0-t(-40 °C, 200 °C)-PN40
AF90D/AF94D/AF96D:	ISO FE BH-CO61-SSA 0-t(-40 °C, 200 °C)-PN40

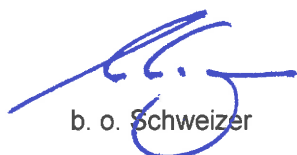
The product meets the requirements for leakage measurement defined in section 5.2.6.4 of the TA-Luft standard.

The certificate is based on the test programme for leakage measurement in accordance with VDI 2440 / VDI 3479 / EN ISO 15848-1, which covers leakage measurement of sealing systems for compliance with the specific leakage rate in accordance with EN ISO 15848-1 [$\lambda \leq 1 \times 10^{-4} \text{ mg} \cdot \text{s}^{-1} \cdot \text{m}^{-1}$] under the above conditions.

This certificate is valid until November 2017.

München 3rd November 2014

TÜV SÜD Industrie Service GmbH
Institute for Plastics


 b. o. Schweizer

