



CENTER OF SEALING TECHNOLOGIES

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Certificate

The gasket type **Garlock BLUE GARD 3400** of the manufacturer

Garlock Sealing Technologies®

Falkenweg 1

D-41430 Neuss, Germany

has been tested in compliance with TA Luft in accordance with the VDI-Guideline 2200 (June 2005) by the Department of Gasketing Research of the University of applied Sciences Münster. The test was verified in a first time test with following test conditions:

Initial gasket thickness:	2 mm
Initial gasket dimension:	92 x 49 mm ²
Test flange:	DN40 / PN40
Initial gasket stress:	30,0 MPa
Exposure conditions:	200 °C / 48h
Test conditions:	24h / ambient temperature

The leak rate, measured at room temperature, with a helium mass spectrometer and a differential pressure of 1 bar resulted in a leak rate of:

$$7.2 \cdot 10^{-7} \frac{\text{mbar} \cdot \text{l}}{\text{s} \cdot \text{m}}$$

Residual gasket stress: 10.1 MPa.

The maximum accepted leak rate of $1.0 \cdot 10^{-4} \frac{\text{mbar} \cdot \text{l}}{\text{s} \cdot \text{m}}$ has not been exceeded.

The above mentioned gasket is in accordance with TA Luft.

The blow out safety test in accordance with VDI-Guideline 2200 (June 2005) resulted in:

Class B: 60 bar

This test certificate is only valid in combination with the test report 08040301 dated on 17. April 2008.

Steinfurt, 17.04.2008

Prof. Dr. A. Riedl

Accredited under the DAP German Accreditation of TÜV SÜD.