



Certificate

The gasket type **Garlock Blue Gard® Style 3000** 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:

$$2,3 \cdot 10^{-8} \frac{\text{mbar} \cdot l}{s \cdot m}$$

Residual gasket stress: 13,2 MPa.

The maximum accepted leak rate of $1,0 \cdot 10^{-4} \frac{\text{mbar} \cdot l}{s \cdot m}$ has not been exceeded.

The above mentioned gasket is in accordance with TA Luft.

This test certificate is only valid in combination with the test report 07110501-1 dated on 22. November 2007.

Steinfurt, 22.11.2007

Prof. Dr. A. Riedl