



FH Münster

Center of Sealing
Technologies

Bürgerkamp 3
D-48565 Steinfurt

Certificate

Z14032401

The gasket type
AF-200 Universal
of the manufacturer

Gambit Lubawka Spółka z o.o.
ul. Wojska Polskiego 16
58-420 Lubawka, Poland

has been tested in compliance with TA Luft in accordance with the VDI-Guideline 2200 (June 2007) 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
Test flange:	DN40/PN40, EN1092-1, type B, welding-neck, 1.4571
Initial gasket stress:	30 MPa
Exposure conditions:	200 °C / 48 h
Test conditions:	23 °C / 1 bar

The leak rate, measured at 20 °C, with a helium mass spectrometer and a differential pressure of 1 bar resulted in a leak rate of:

$$2.6 \cdot 10^{-8} \frac{\text{mbar} \cdot \text{l}}{\text{s} \cdot \text{m}}$$

Residual gasket stress: 16.7 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.

This test certificate is only valid in combination with the test report 14032401.

Steinfurt, 2014-04-16

Prof. Dr. A. Riedl