
Certificate

Z-16092901-V

The embossed flat profile gasket type
Revolution with PTFE layers

of the manufacturer
revoseal Europe GmbH
Industriestr. 1
50259 Pulheim
Germany

has been tested in compliance with TA Luft in accordance with the VDI-guideline 2200 (2007-06) by the Company GAIST. The test was verified in a first time test with following test conditions:

Initial gasket thickness:	1.6 mm
Test flange:	DN40/PN40, EN1092-1, form B, type 11, welding-neck, 1.4571
Initial gasket stress:	106 MPa
<i>Related to an EN1514-1 gasket:</i>	<i>30 MPa</i>
Thermal storage temperature:	200 °C
Thermal storage duration:	48 h
Test conditions:	23 °C

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:

$$< 1.0 \cdot 10^{-4} \frac{\text{mbar} \cdot \text{l}}{\text{s} \cdot \text{m}}$$

Residual gasket stress (Q_R): 78 MPa.

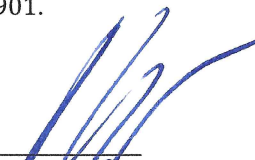
The maximum acceptable leak rate of $1.0 \cdot 10^{-4} \frac{\text{mbar} \cdot \text{l}}{\text{s} \cdot \text{m}}$ according to VDI-guideline 2440 (2000-11) has not been exceeded. The above-mentioned gasket is in accordance with TA Luft.

The blowout safety test in accordance to VDI-guideline 2200 resulted for

Test step 1 at Q_R :	60 bar, no blowout
Test step 2 at 18 MPa (Q_{Smin}):	60 bar, no blowout

This test certificate is only valid in combination with the test report 16092901.

Steinfurt, 2017-01-11


M. Reppien
Managing Director