
Certificate

Z-16041401-1

The flat gasket type
JG 2

of the manufacturer
revo seal 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:	4.2 mm
Test flange:	DN40/PN40, EN1092-1, form B, type 11, welding-neck, 1.4571
Initial gasket stress:	30 MPa*
Thermal storage temperature:	400 °C
Thermal storage duration:	48 h
Test conditions:	23 °C

*in relation to the compressed area of EN1514-1 gasket: 88 x 49 mm, 4196 mm²

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:

$$2.9 \cdot 10^{-10} \frac{\text{mbar} \cdot \text{l}}{\text{s} \cdot \text{m}}$$

Residual gasket stress (Q_R): 23.6 MPa*

*in relation to the compressed area of EN1514-1 gasket: 88 x 49 mm, 4196 mm²

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.

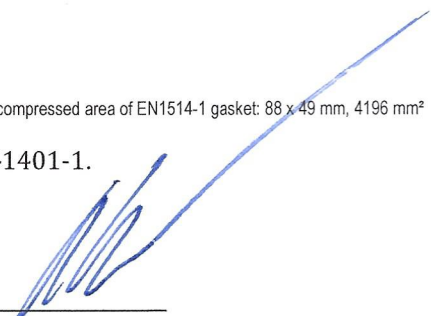
The blowout safety test in accordance to VDI-guideline 2200 resulted for

Test step 1 at Q_R :	60 bar, no blowout
Test step 2 at 5 MPa* (Q_{\min}):	60 bar, no blowout

*in relation to the compressed area of EN1514-1 gasket: 88 x 49 mm, 4196 mm²

This test certificate is only valid in combination with the test report 16041401-1.

Steinfurt, 2016-09-15



M.Reppien
Managing Director