Z13031501-1

The flat gasket type
Pikotek VCS including **Insulation Kit**
of the manufacturer

GPT Industries
4990 Iris Street
Wheat Ridge, CO 80033
USA

has been tested in compliance with TA Luft in accordance with the VDI-guideline 2200 (2007-06) 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:	8 mm
Sealing element dimension:	63 x 59 mm
Test flange:	DN40/PN40, EN1092-1, type B, welding-neck, 1.4571
Initial gasket stress:	30 MPa*
Thermal storage temperature:	150 °C
Thermal storage duration:	48 h
Test conditions:	20 °C

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:

$$1.1 \cdot 10^{-8} \ \frac{mbar \cdot l}{s \cdot m}$$

Residual gasket stress (Q_R): 13.2 MPa*.

The maximum acceptable leak rate of $1.0 \cdot 10^{-4} \ \frac{mbar \cdot l}{s \cdot m}$ 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_{Smin}):	60 bar, no blowout

*according to 88 x 49 mm geometry

This test certificate is only valid in combination with the test report 13031501-1.

Steinfurt, 2013-04-02 Prof. Dr. A. Riedl