

CERTIFICATE

Nr. 30148604E/FH/27.02.15

In accordance with the VDI Guideline 2440 (edition November 2000) the compliance with the tightness criteria of $1.0 \cdot 10^{-4}$ mbar · l/(s · m) of the flange connection type

**KF (Drawing NLP S 05 0037) and
PF (Drawing NLP S 05 0036)**

of the manufacturer

**NORMAG Labor- und Prozesstechnik GmbH
Auf dem Steine 4, D-98693 Ilmenau**

was verified in a first-time test under the following test conditions:

temperature of exposure:	200	°C
period of exposure:	48	h
test pressure (absolute):	1	bar
period of leakage measurement:	24	h

The leak rate measured with the Helium leak detector at the end of the period of the leakage measurement was

$9.2 \cdot 10^{-6}$ mbar · l/(s · m),

therefore the flange connection gasket is in compliance with the tightness criteria of VDI 2440 and can be regarded as a high-grade sealing system for the purposes of TA-Luft.

This certificate is only valid in combination with the test report 3014864/-.

Lauffen, February 27, 2015

amtec Messtechnischer Service GmbH



Dipl.-Ing. F. Herkert