

**DECLARATION**  
GERMAN CLEAN ACT – VDI GUIDELINE 2440 –  
**TA LUFT**

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Date : December 2025

Rev. 2

We hereby confirm that representative samples of

**SC 1400**

was verified by an accredited laboratory (Test Report No. 3028434) in a first-time test under the following conditions :

- Initial gasket stress : 31.3 MPa
- related to DN40/PN40 : 31.1 MPa
- Temperature of exposure : 150 °C
- Period of exposure : 48 h.
- Remaining gasket stress : 16.2 MPa
- 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 :

$$1.1 \cdot 10^{-6} \text{ mbar}\cdot\text{l}/(\text{s}\cdot\text{m})$$

Therefore the gasket is in compliance with the tightness criteria of VDI 2440.

If the design of the sealing system can be expected to permit normal function in the long term in the given operating conditions and the characteristic sealing value as per DIN 28090-1 or EN 13555, respectively, are observed when choosing and dimensioning the flange connection, the gasket can be regarded as a high-grade sealing system for the purposes of TA-Luft.

**Notes**

It is the responsibility of the buyer to assure traceability of the material during any further downstream use up to and including the finished machined part as well as the equipment in which it is assembled.

Rev. 0 - Released in September 2015

Rev. 1 – Change in VDI norm

Rev.2 – Declaration updated

MN/June 2016



**GUARNIFLON SPA**  
(Società Soggetta all'attività di direzione e coordinamento  
ex art. 2497 bis C.C. da parte di Mazza Holding S.p.A.)

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