

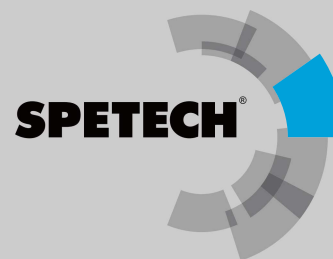


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Approval acc. ISO/IEC 17025: 2017

PowerPress #1 ASTM F36 PowerPress #2 ISO 15848 VDI 2200/2440 TA-LUFT PowerPress #3 ASTM F38



TESTING LABORATORY



GASKETS



PACKINGS



QUALITY



LABORATORY



ENGINEERING

EDITION 2022

WELCOME TO **SPETECH**® LABORATORY

TESTING SERVICES FOR GASKETS AND PACKINGS
BACKED WITH OVER 30 YEARS OF EXPERIENCE

There are several facts that are making sealing materials more and more important within recent years. It is due to increasing importance of **Fugitive Emissions reductions** along with **Environment Protection requirements** becoming increasingly urgent. Moreover, it is as a consequence of growing expectations towards safety issues and worldwide trend to increase working lifetime and overall **reliability of industrial equipment**. All these facts are reasons which lead to make tests & researches & developments with goal to find an Optimum Sealing Solutions.

'Fugitive Emission' regulations - formally expressed in acts like **Clean Air Act, TA-Luft, IPPC, ISO 15848** – they furthermore include formal obligations for pressure vessels manufacturers and pressure installations users to install gaskets which will functionally secure their application acc.

to **'Best Available Techniques'** rules. Literally any newly build equipment, any installation already in operation must be designed, build and operated fulfilling appropriate emissions standards. To fulfil this requirement, gaskets and packings used as sealing components must be described by technical characteristics which proof their rightness. Here, in our **Laboratory of Sealing Materials**, we are devoted to determining technical characteristics of various gaskets and packings.

Reliability of our Laboratory is proofed by **TÜV Rheinland** approval acc. to **EN ISO/IEC 17025:2018** which is supported by 30 years of continuous research and development activity. Our Laboratory is placed in Poland / UE and is an active member of **European Sealing Association since 1998**. If you need any technical support or need to perform any specific test which is not included on our standard offer - feel free to contact us directly via **LAB@spetech.eu**.


Grzegorz Rusak
Managing Director SPETECH®



spetech.eu

TÜV CERTIFIED LABORATORY TESTS SEALS ACC. TO ALL MAIN STANDARDS

EN 13555-1

- Creep & Relaxation PQR (Δe_{Gc}) tests •
- Compression tests Q_{smax} and EG values •
- Leakage tests Q_{minL} and Q_{sminL} •
- Friction factor test μ_G

VDI 2200 & VDI 2440 'TA-Luft'

- Leakage test & safety against blow-out – for flange connections •
- Leakage test – for valves

ISO 15848-1

- External leakage test of valve stem seals and valve body joint

ASTM F3149-15

- Determination of the values and characteristic m and γ factors

ASTM F36-03

- Compressibility and recovery test

ASTM F38-18

- Creep relaxation test

ASTM 1574-03a

- Compressive strength test

EN 61340-2-3

- Resistance and resistivity test

UNIQUE TESTING EQUIPMENT READY FOR DEVELOPMENT OF YOUR IDEAS

- maximum test pressure **300 bar**,
- maximum test temperature **800°C**,
- maximum pressure force **2000 kN**,
- test flange faces: FF, RF, TG, SR, RTJ, Lens
- displacement measurement conducted centrally in the axis,
- minimal discovered leakage (helium spectrometer) $5 \cdot 10^{-12}$ mbar/(l*s),
- testing research media: helium, hydrogen, nitrogen (others using the burette system),
- possibility to modify the test algorithm as regards time, temperature, pressure, load and their rise time

COMPETENCE AND RELIABILITY PROOFED BY 30 YEARS OF LAB EXPERIENCE



EN 13555



VDI 2200/2440



ISO 15848



ASTM F3149



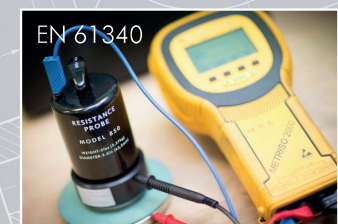
ASTM F36



ASTM 1574



ASTM F38



EN 61340

More info



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