ProPack
DICHTUNGEN UND PACKUNGEN AG

Worldwide your competent partner for **Sealing Technology**

D 5.4 ProGraph SSTC

High Temperature Gasket of Expanded Flexible Graphite with Stretchmetal

Characteristics

- Expanded graphite sheet gasket with Stainless Steel stretch metal reinforcement and a purity of 99 %.
- Practically no cold flow or creep under temperature.
- Non hardening
- Excellent in use with cycling temperatures.
- Blow out safe due to 3 dimensional reinforcement matrixes
- Optimized transfer of sealing stress
- Safe use even with small sealing width
- Minimized risk of separation known from multilayer reinforced gasket sheets.

Operating range

p_{max} [bar]	200
t °C	-200 . . . +550
pH	0 - 14

Temperature: in oxidizing atmosphere +450 °C

Main application

Universal use as problem solver in all industries when demanding higher operation safety and sealability especially in older plant equipment.

Suitable for

- Chemical industry
- Petrochemical plants
- Pharmaceutical industry
- Power plant technology
- Paper industry
- Sugar industry

Approvals

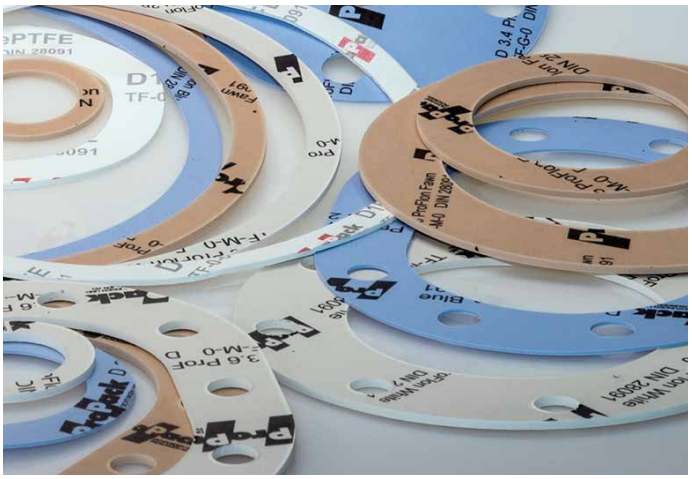
- DVGW
- BAM
- TA Luft
- FIRE SAFE API 607 on request

Variant

D 5.4

Form of delivery

- Gasket sheet size of 1,000 x 1,000 mm in thickness of 1.0 / 1.6 / 2.0 / 3.0 mm or cut gaskets according to drawing, or EN and international Standards.
- Special dimensions and further gasket material styles of recognised manufacturers on request.



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All technical information and advice is based on our experience and will be given most conscientiously but without any liability.
Indication and figures are for guidance only and need to be examined by the user. All sizes are subject to manufacturing tolerances. We reserve the right to modify specifications at any time.
Please note that the technical values cannot be used all at the same time in their maximum values.

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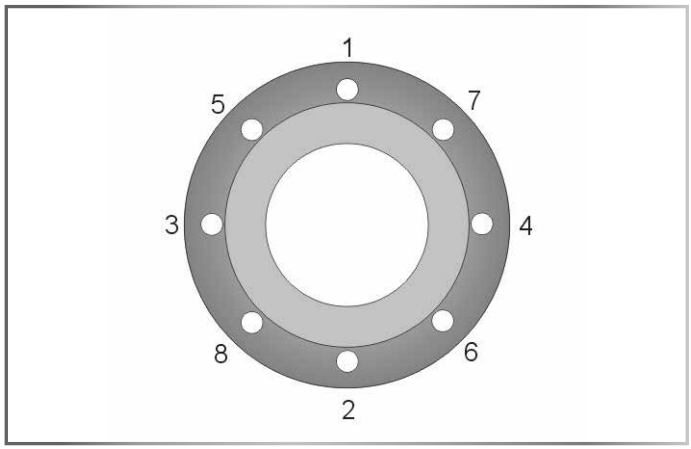

Installation

Clean sealing surface completely. Remove any dirt, corrosion, grease or remainders from old sealing materials.

- Position gasket centric on the sealing surface. Take extra care on vertical assemblies. First tighten bolts finger-tight.

  Then continue at least with 4 progressive torque sequences with a torque wrench, always torque crosswise as shown in the sketch (see fig. 1). Apply 25%, 50%, 75% and 100% of the recomended gasket stress.

- Always follow the state-of-the-art guidelines for gasket assembly as well as the recommended torque for your sealing system.

- Notes of the flange manufacturer and recomended torques for the sealing system (flange, bolt, gasket) need to be followed.

Gasket sheets technical data

	Compressibility ASTM F36 %	Recovery ASTM F36 %	PQR EN13555	Pressure* max * bar	Temp (Material)* max * °C	Material	Q_{min} EN13555 (MPa)	Q_{Smin} EN13555 (MPa)	Q_{Smax} EN13555 (MPa)
D 5.4 ProGraph SSTC	40	15	0.97 @ 200 °C; QA=50MPa	200	550	expanded graphite with stretchmetal	40	15 (2)	220

***The max values of pressure and temperature cannot be used at the same time**

The provided Pressure and Temperature data is based on optimal installation condition and steady control of the flange connnection

Gasket properties following EN 13555 (2 mm thickness) Q_{min}@40 bar He, 0.01 mg/(ms) and Q_{Smin}@QA 40 Mpa He, L=0.01

(1) Q_{Smin} @ QA 30 MPa,40 bar He, L=0.01

(2) Q_{Smin} @ QA 60 MPa,40 bar He, L=0.01

Q_{Smax} @ RT

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