

# GROOVED GASKETS / CORRUGATED METALLIC GASKETS WITH INNOVATIVE SPECIAL CARRIER

Laborious flange cleaning is a thing of the past!

Grooved gaskets and corrugated metallic gaskets are familiar sealing systems with a high application versatility and operational reliability.

**GROOVED GASKETS** are generally used in high pressure and special applications for operational reliability. The structure of these gaskets involves a solid metallic core with profiled surfaces to the sealing areas.

These areas are given a thin, soft carrier as a fine seal between the sealing surface and profiled groove core. PTFE, graphite, fibrous material or special materials e.g. silver are used as carrier material. Pure graphite

films have become established as standard. The versatile properties of graphite are utilised here.



Photo: Grooved gasket with and without carrier made from Egraflex Steelflon

**CORRUGATED METALLIC GASKETS** are used in the medium pressure range. These have a thin, corrugated metallic core with soft carrier. The carrier materials are not essentially different from those of the grooved profiles.



Photo: Corrugated metallic gasket with and without carrier made from Egraflex Steelflon

**Notes for your enquiries:**

Besides the usual data such as design etc., please provide the note "with Egraflex Steelflon carrier" in your enquiry.



## PROBLEMS

Both sealing systems with conventional graphite carrier

- graphite carriers are sensitive to knocks and scratches
- gasket sticks to the flange during operation
- laborious cleaning of the flange
- contamination of the medium due to flange cleaning



## SOLUTION

Carrier made from the innovative multi-component material Egraflex Steelflon comprising graphite, stainless steel and an "outer skin" made from PTFE for

- greater installation safety
- good handling (during installation and storage)
- easy, simple disassembly and hence cleaner flanges!

This innovative carrier material has been established as a compact seal with the designation "Egraflex Steelflon" for many years!

**Further advantages of the multilayer carrier materials "Egraflex Steelflon":**

A fine seal is realised by the graphite film. PTFE has tremendous sealing properties for the sealing surface, but is not subject to cold deformation in this thickness (no measurable creeping of the PTFE carrier).

Note: PTFE has a temperature limit of approx. + 300 °C

