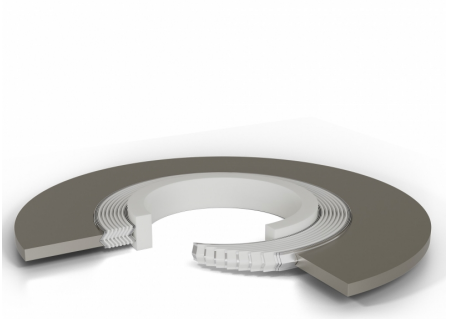
PLANISTEEL SW PROTECTOR

Composition

Spiral wound gaskets are manufactured by coiling a V-profile metal strip together with a soft filler material, forming a flexible and pressure-resistant sealing element. The metal strip provides structural integrity and elasticity, while the filler ensures effective sealing performance. To enhance stability, control compression, and facilitate installation, the winding is supported by an outer guide ring. The **Planisteel SW PROTECTOR** is equipped with an internal ePTFE ring, 9 mm thick, whose inner diameter extends up to the inner edge of the raise, in order to protect the inner flange face from mechanical and chemical erosion.

- **Metal strip:** any type of steel or alloy is available
- **Filler:** PTFE
- **Protector**: inner ePTFE ring 9 mm thichkness



Characteristics

Planisteel SW PROTECTOR spiral wound gaskets are primarily manufactured in accordance with ASME B16.20, ASME B16.47 Series A and B, EN 12560-2, and EN 1514-2 standards, but gaskets made to other international standards or customized specifications are also available.
It's the new spiral wound gasket that protects the flanges from chemical erosion which occurs frequently in the chemical, petrochemical and refinery plants. Engineered specifically for Alkylation Unit, **Planisteel SW PROTECTOR** is suitable in all other application where the target is the preservation of the flanges. The ePTFE ring dimensions is likely to be aligned to the edge of the flange. This avoids the erosion of the edge because the fluid proceeds linearly.

Performance Specifications	UM	Value
Minimum temperature	°C	-200
Maximum temperature	°C	260
Maximum Pressure	bar	according to the gasket rating
Min. Gasket Seating Stress - Sgmin-$S_{L=0.001}$	MPa	56
PTFE Chemical Resistance	pH	0 ÷ 14
Min. Gasket Operating Stress - Sgmin-O	MPa	30
Max Gasket Operating Stress - Sgmax	MPa	280

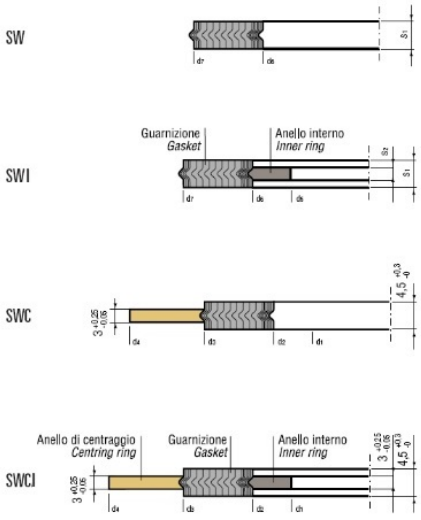
The sealing factors were obtained from tests carried out on the SWCI design.
This data sheet is for Alkilation Services.

Applications

Spiral wound gasket for Alkilation services.

PLANISTEEL SW PROTECTOR

The **Planisteel SW** gasket range, which includes spiral wound gaskets for all RF, LMF, and LTG flanges, manufactured with all metals and fillers required in industrial applications, consists of spiral wound gaskets produced in four designs. **Planisteel SW** spiral wound gaskets are qualified in accordance with major international TAT standards. Check the availability of Planisteel SW products on the **online stock**.



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GLOBAL SEALING SOLUTIONS

Carrara S.p.A.,
Via Provinciale 1/E - 25030 Adro - BS - Italia
tel. +39 030 7451121 carrara.it - info@carrara.it