

RELY ON EXCELLENCE

Spiraltherm PTFE 9595

Packings & Gaskets | Metallic gasket



Features

Spiraltherm PTFE 9595 is a flange seal made from a V-shaped profiled stainless steel tape with spiral-wound pure PTFE middle layer. The ends of the stainless steel tape are spot-welded.

Advantages

- High chemical resistance
- No product contamination by PTFE possible

Operating range

Pressure: $p = \dots 400$ bar Temperature

- Continuous operation:
 $t = -200 \dots +280$ °C

Recommended surface roughness:

$Rz = 12.5 \dots 50$ μm

Chemical resistance: $\text{pH} = 0 \dots 14$

Sealing parameters

AD Directive B7

- $k_0 \times KD = 65 \times bd$
- $k_1 = 1,4 \times bd$

ASME Code

- Gasket factor: $m = 2.5$
- Minimum surface pressure:
 $y = 10,000$ psi, $y = 70$ MPa

Materials

- Filler material: pure PTFE
- Metal spiral: 1.4541 (321) or 1.4571 (316 Ti)

Other materials upon request

Standards and approvals

- FDA

RELY ON EXCELLENCE

Product variants

Spiraltherm PTFE 9595/GA

Spiral wound gasket with outer guide ring.
Standard type for raised faced flanges.

Spiraltherm PTFE 9595/GIA

Spiral wound gasket with inner and outer guide ring offers the best performance in raised faced and flat flanges

The inner ring is used to

- avoid over-compression at elevated seating loads in high pressure service
- reduce turbulence within the flange area and protects against corrosion or erosion
- improve the load distribution over the gasket.

Spiraltherm PTFE 9595/NF

Spiral wound gasket without guide or inner ring.

This style of gasket is used in load-bearing flange configurations, such as tongue and groove flanges.

Standard dimensions according to EN/ASME.

Spiraltherm PTFE 9595/VR

Spiral wound gasket without inner ring or outer guide ring.

Mainly used for male and female flanges or projection and recess flanges.

Spiraltherm PTFE 9595/VRI

Spiral wound gasket with inner ring.

Mainly used for male and female flanges or projection and recess flanges.