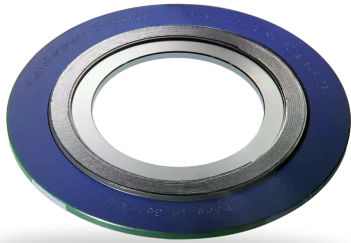


RELY ON EXCELLENCE

Spiraltherm Graphite 9584

Packings & Gaskets | Metallic gaskets



Features

Spiraltherm Graphite S 9584 is a flange seal made from a V-shaped profiled stainless steel tape with spiral-wound graphite middle layer (purity >98 %). The ends of the stainless steel tape are spot-welded.

Notes

Spiraltherm Graphite 9584 gaskets filled with high quality graphite are Fire Safe.

Advantages

- Universal industrial grade
- Easy to handle

Operating range

Pressure: $p = 400$ bar Temperature

- Continuous operation:
 $t = -200\text{ °C} \dots +550\text{ °C}$
- Inert environment: Contact us to discuss higher temperatures

Recommended surface roughness:

$RZ = 12.5 \dots 50\text{ }\mu\text{m}$

Chemical resistance: $pH = 0 \dots 14$

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:
 $y = 10,000\text{ psi}, y = 70\text{ MPa}$

Materials

- Filler material: 98% pure graphite
- Metal spiral: 1.4541 (321) or 1.4571 (316 Ti)
- 9584/...R variants: Sulfur content <100 ppm, soluble sulfates <100 ppm

Other materials upon request

Standards and approvals

- TA Luft (9584/GIA only)
- BAM (on request)
- Fire-safe API 607 (9584/GIA only)

Recommended applications

Industries

- Chemical industry
- Petrochemical industry
- Power stations

Flange connections

- Pipe connections
- Valves
- Heat exchangers
- Covers and hatches
- Reactor vessels
- Process vessels
- Maintenance seals

RELY ON EXCELLENCE

Product variants

Spiraltherm Graphite 9584/GA

Spiral wound gasket with outer guide ring.
Standard type for raised face flange connections.

Spiraltherm Graphite 9584/GIA

Spiral wound gasket with inner and outer guide ring. This style offers the best performance for raised-face flange connections.

The inner ring is used to provide:

- Avoid over-compression at elevated seating loads in high pressure service
- Reduced turbulence within the flange area and protects against corrosion or erosion
- Improvement of the load distribution over the gasket

Spiraltherm Graphite 9584/VR

Spiral wound gasket without inner ring or outer guide ring.
Mainly used for male and female flanges or projection and recess flanges.

Spiraltherm Graphite 9584/VR1

Spiral wound gasket with inner ring.
Mainly used for male and female flanges or projection and recess flanges.
An inner ring is necessary as a compression stop.