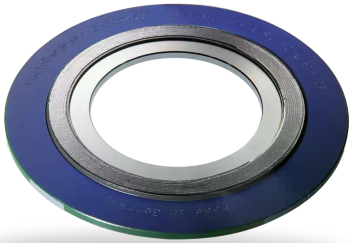


RELY ON EXCELLENCE

## Spiraltherm Graphite 9584

Packings & Gaskets | Metallic gasket



### 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:  
 $t = -200$  °C ...  $+550$  °C
- Inert environment: Contact us to discuss higher temperatures

Recommended surface roughness:

RZ = 12.5 ... 50  $\mu$ m

Chemical resistance: pH = 0 ... 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: 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/VRT**

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.