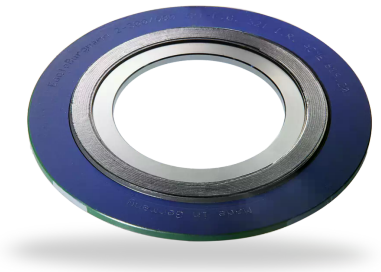
RELY ON EXCELLENCE

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 µm
Chemical resistance: pH = 0 ... 14

Sealing parameters

AD Directive B7

- k0 x KD = 65 x bd
- k1 = 1,4 x 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

eagleburgmann.com
info@eagleburgmann.com

All technical specifications are based on extensive tests and our many years of experience. The diversity of possible applications means, however, that they can serve only as guide values.
We must be notified of the exact conditions of application before we can provide any guarantee for a specific case. Subject to change.

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/VRI
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.

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