

SPIROTECH SPIRAL WOUND GASKETS

Spiral wound gaskets open new opportunities for safe and effective sealing. High pressure, fluctuations in temperature, various flanges, vibrations require using gaskets with appropriate endurance and flexibility. Our spiral wound gaskets are produced in this purpose.

Spiral with filler for tongue-and-groove flange joint

With metallic inner ring for male-female flanged joints

With metallic outer ring for flat and and convex flanged joints

Metallic outer ring

-provides appropriate insertion of the gaskets and prevents excessive surface compression

Metallic inner ring

-protects sealing element against high temperature, prevents turbulences in pipe flow and flange corrosion,

-prevents inward buckling of the spiral.

Winding steel strip material:

Stainless steel: 1.4301, 1.4541, 1.4571 (AISI 304, AISI 316, AISI 321)

Inner ring material:

Stainless steel: 1.4301, 1.4541, 1.4571 (AISI 304, AISI 316, AISI 321)

Outer ring material:

Bichromate carbon steel

Filler material	Temperature limit
ePTFE	260
Graphite	550*
Ceramics	400

(*) up to 300°C under anaerobic conditions (see temperature range for metal)

CORRECT SPIRAL WOUND GASKETS SELECTION

Most of technical faults are caused by inappropriate selection or insertion of gaskets. In order to use the gaskets effectively you should take into account the following:

1. Gasket selection:

Is the size and pressure class suitable?

Is the filler, strip and ring material suitable for the application?

2. Flange check

Are the flanges clean? Are the surfaces undamaged?

Are the surfaces of the flanged rough enough?

Recommended roughness of the flanges' surface for different applications:

general	3,2-5,1 μ m
vacuum	2,0 μ m
critical	3,2 μ m

3. Bolt check

Is the size of the bolts correct? Are the bolts undamaged?

Is the thread clean and protected?

Important:

The bolts must be tighten to specified torque.

Tighten all bolts crosswise to required torque.

Other sealings from our product range:

-porous PTFE sealants

-sealants for glands and accessories