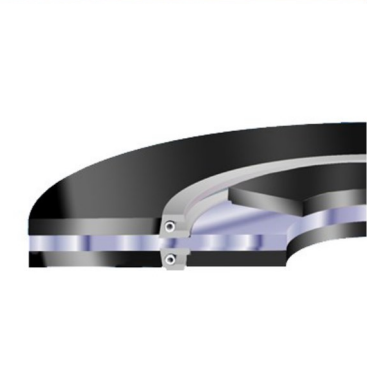
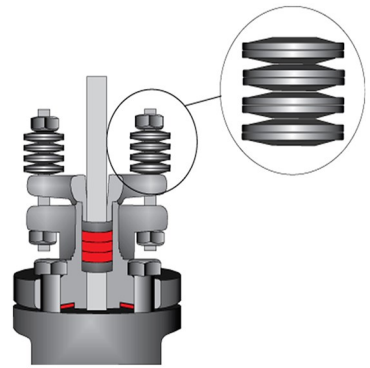


Wagner
Gaskets & Seals 
www.wagnergaskets.nl



PRODUCT
GUIDE

Introductions

In 2018 Wagner Gaskets & Seals BV was established to provide a vital service in a growing industry to maintain short lead times and quick turnaround production.

The industry has been showing an increasing requirement for their orders to be delivered quicker, and more often the very same day. Due to this growing need, production lead times were becoming difficult to maintain.

Wagner fills that gap by providing a priority service when needed, regularly taking on urgent orders and working with our customer to perform.

Who We Are

Wagner Gaskets & Seals is geared to establish itself within the industry as one of the leading manufacturers of gaskets supplying directly and indirectly to the petrochemical and oil refineries in the Benelux.



Spiral Wound Gaskets

Spiral Wound Gaskets have considerable mechanical strength and good recovery characteristics even under fluctuating loads, providing an extremely effective seal over a wide range of operating conditions.

The 'Type R' Spiral Wound Gasket element is precision formed using a 'V' shaped metallic winding strip continually wound and incorporating an inner wound soft filler material. This construction helps maintain an effective seal at high fluctuating temperatures and pressures.

'Type SGIR' includes the element component plus Inner and Outer rings for extra stability and reduced potential of blowout.

'Type SG' features the element component and an Outer ring.

'Type RIR' features the element component and an Inner ring.

Spiral Wound Gaskets are available to dimensions and with colour markings as set out in standards B16.20, EN 1514-2, Tables, DIN and JIS specifications.



Metal Jacketed Clad Gaskets

Metal Jacketed Gaskets are specially designed and widely used on smooth flange applications and are ideal for Heat Exchangers, Auto Claves, Columns, Flue Stacks, Boilers, Gas Mains, Valve Bonnets, Pumps and similar services.

They comprise a soft pliable filler core surrounded by a metal jacket which may totally or partially enclose the filler. This metal jacket provides the mechanical strength to contain the filler and is selected from material which is suitable to resist chemical attack from the fluid to be sealed and also the operating temperature. This combination of these two components produces a gasket which is resilient and successful in a wide range of services particularly in the Petrochemical Industries.

Metal Jacketed Gaskets are available in a comprehensive selection of materials and are custom built to clients specific design requirements and are almost without any size limitations. Each gasket is individually hand made with meticulous care, by our highly skilled craftsmen, to ensure ease of fitting and long service life.

**SWG 'Type R' with
SS316 winding strip &
Graphite filler having
final welds applied**



**Double Jacketed Clad
with SS316 shell &
Graphite filler in One
Piece construction**





Quality

Our commitment to service and quality is second to none and with our skilled engineers, we have the ability to produce components to our customers' exacting requirements and specifications.



Flange Insulation Kits

Wagner offers a complete range of Flange Insulation kits to fight corrosion caused by galvanic and sour service conditions.

Flange Insulation Kits comprise an electrically insulating gasket, bolt sleeves and washers to prevent electrical conduction through the bolts in cathodic protection systems.

To ensure the Insulation kits meets your application, several options are available for the Carrier, the Seal, the Washer and the Sleeve.

Carrier G7, G10, G11 and Phenolic.

Seal EPDM, Nitrile, Viton and PTFE.

Washer G3, G10, G11 and Phenolic.

Sleeve Mylar, G10 and Nomex.

Flange Insulation Kits are able to withstand temperature variance from Cryogenic up to +400°C to suit flanges up to Class 2500 / API 10000.

Dependant on requirement, Flange Insulation Kits are available to suit WRAS or NSF and also Fire Safety Standard API 6FB.



Die Formed Graphite Packing Rings

Die Formed Graphite Packing Rings are produced from only high purity compressed flexible graphite ribbon and are designed to provide a seal between a moving spindle or shaft and the pressurised housing which it penetrates.

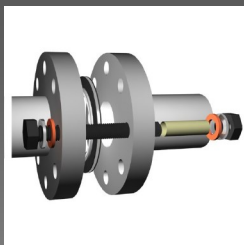
They are capable of providing a leak-free seal for high performance valve applications at high pressures and temperatures between -240°C and 450°C. For further stability under high pressure applications, metallic reinforcement or endcaps can be added.

Graphite ensures excellent chemical resistance & compatibility with virtually all media in the industry except only those with very strong oxidising agents.

The process of manufacture provides a volumetrically stable end product with no binders or fillers added producing a seal with very low permeability and without porosity.

These packing rings can be supplied in square section, chamfered, split, matched halves and in sets with braided wiper rings.

**Flange Insulation Kit
Fire Safe to API 6FB
Standards**



**Our partners are
proud to be
accredited to ISO
9001:2015**



Certificate No: 8230

Service

Wagner understands the pressure to keep production lines open and our service is well known in the industry for short lead-times with the majority of gaskets being manufactured and despatched same day.



Soft Cut Gaskets

Wagner Gaskets & Seals BV offer soft cutting services to accompany our 'Press Tool' production and manufacturing facilities.

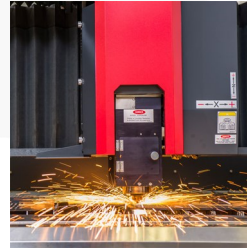
Our CNC Flash Cutter allows for a much higher degree of accuracy, efficiency and cutting intricacy not previously possible with conventional Press Tools.

Soft Cut Gaskets are manufactured from quality stocked materials from leading suppliers including Compressed Non-Asbestos Fibre (CNAF or Nonas), pure and commercial grades of Rubber, Silicone, Foam, Sponge, Virgin PTFE, Expanded PTFE, Modified PTFE, Nylon, FEP and more.

Gaskets can be cut to all major specifications including B16.21, EN 1514-1, Tables, DIN and JIS.

Bespoke gaskets are also manufactured to individual requirement from your drawing or sketch by our CAD qualified staff.

If you already have a DXF file, this can be converted and imported straight for cutting.



Laser Cutting

Wagner offers rapid, high quality and cost effective laser cut parts to individual requirements.

Laser cutting allows for standard and bespoke component production without the cost and lead times typically found with pre-production 'tooling' for conventional manufacture. This makes laser cut parts ideal for 'one-off' prototyping and single-unit purchases as well as batch processing hundreds and thousands of parts.

Our fiber Laser is capable of cutting and etching Brass, Bronze and Copper as well as Stainless Steels & alloys. We can cut a range of thicknesses from Shim Materials as thin as 0.0254mm up to 19mm plate metals.

Just like our Soft Cutting department, Custom parts are drawn up by our CAD trained staff and manufactured to individual requirement from your drawing or sketch.

If a DXF file is provided, this can be imported directly to the laser for processing.

Selection of CNAF,
Modified PTFE and
Rubber gaskets cut to
specification



Laser cut parts in Soft
Iron, Brass, Copper,
Aluminium and SS316





Innovation

Wagner always looks to improve workflow methods, products and services. Everything from office practice through to storage, manufacturing processes and despatch in an effort to become more efficient and productive.



Braided Packing

Wagner offer premium braided packing products for your application including Pure Graphite, Graphite with Inconel Wire Reinforcement and Pure PTFE for rotating, reciprocating and valve stem applications.

Braided Packing is available in multiple section sizes up to & including 25mm with larger section sizes available on request.



O-Rings

O-Rings are produced from a wide selection of compounds including Nitrile, EPDM, Silicone, Neoprene, Viton and Polyurethane among others.

An O-Ring acts as a barrier preventing leak paths forming between sealing surfaces and the nature of an O-rings' design, manufacture and dimensional standards make these an easy choice for static and dynamic applications.

O-Rings are particularly suited where resistance to compression and residual deformation is required.



Mechanical Cartridge Seals

Wagner supplies a range of mechanical cartridge seals for various rotating equipment, such as pumps, mixers, agitators and turbines. The seals are manufactured from standard components which can be replaced in case maintenance is required.

We offer a standard range which is including single—as well as double acting seals. Standard materials are Stainless Steel type 316 in combination with different high performance elastomers like EPDM, Viton®, Kalrez®, Chemraz® or Aflas®. Also PTFE (Teflon) encapsulated primary and secondary seals are used, however this is not preferred.

Cartridge seals are reliable and easy to fit in rotating equipment. In many cases no pump or seal modification is required.

Wagner Gaskets & Seals also supplies Polyurethane Split seals and Bearing seals which are manufactured in non sparking Brass.

Mechanical seals can be found in biomedical, aerospace, Petrochemical and Food/Beverage industries.

Pure Graphite Braided Packing available in multiple section sizes



High performance Polyurethane split seals available in a variety of dimensions and types



Cost Effective

We keep a large range of materials in stock providing faster access to component parts when an order is placed. By purchasing materials in bulk and being cost efficient, we are able to pass savings on to our customer.



PTFE Thread Seal Tape

PTFE thread seal tape is a conveniently applied sealant and lubricant for threaded joints. It can be used effectively with plastic, brass, copper, aluminium galvanized steel or black iron pipes.

PTFE thread seal tape does not harden or dry out so joints will not freeze up. It is effective from -100°C to $+260^{\circ}\text{C}$ and is used in place of messy compounds.

It is waterproof and has a non-stick surface, is resistant to enzymatic and microbiological attack, chemically pure and has an inert state which means an unequalled resistance to water, gases, solvents, acids, alkalis and other reactive media. Its resistance to cracking and properties of PTFE means a lubricity that prevents sticking of pipes.

Wagner stocks PTFE Thread Seal Tape for a variety of uses including:

- WRC for potable water
- BAM specification for oxygen service
- Gas service
- General service



Expanded PTFE Joint Sealant

Expanded PTFE Joint Sealant is a soft conformable product that is clean and compatible with 99% of chemicals (except molten alkali metals and elemental fluorine).

Expanded PTFE is much softer and more flexible than regular PTFE.

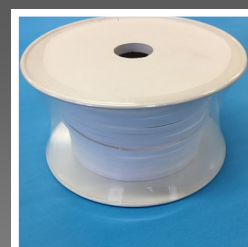
Simply by peeling the backing paper away and applying the joint sealant to a flange, a leak-free gasket can be made. Overlapping the joint sealant at one point completes the seal.

Expanded PTFE Joint Sealant is commonly used in Food, Chemical, Power Generation, Refining, Oil & Gas production, Waste Water, Pulp and Paper etc.

PTFE Thread Seal Tape
BAM approved for use
in Oxygen Service
applications



Expanded PTFE
Jointing Tape
3mm x 1.5mm x 30m
spool



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