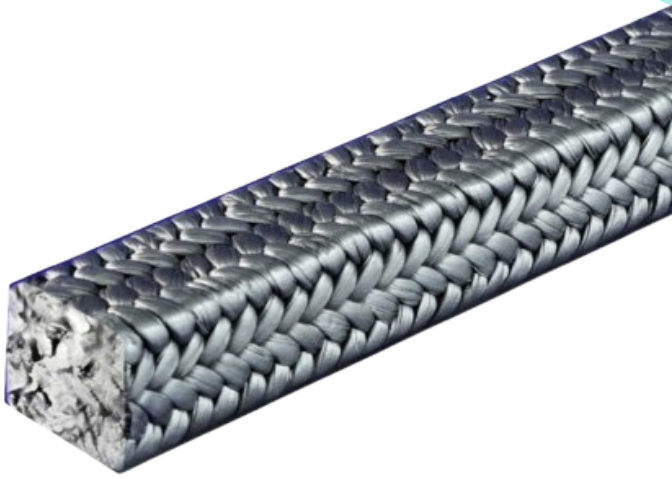
GASKONIX
ENGINEERING PVT. LTD.

GLAND PACKING



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GX450CBINC

Material:
Manufactured using expanded graphite braided packing each incorporating a fine Inconel wire, to produce a valve compression packing of square cross-section with added mechanical strength.

Application:
This is a cost effective high pressure valve packing. It is a high performance valve packing for high pressure, high temperature application offering excellent sealing and operational reliability for both Original Equipment Manufacturers and plant users alike. The inclusion of Inconel wire reinforcements ensures that the packing has excellent dimensional stability and will operate under high stress conditions. Do not use with Chromium Trioxide, nitric acid and sulphuric acid.

Typical applications
HP steam valves, Petro-chemical valves and Power generation valves

Service Capabilities

Operating Temperature	–200 to 430°C
In saturated steam	upto 650°C
pH capability	0 – 14
Max static Pressure	300 bar

Note: The packing should not be subjected to the maximums of temperature, pressure and speed simultaneously.

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GXB450C-PV

Material:

A high purity, high performance, graphite based multiservice packing for both valve and pump applications. The base graphite yarn means the packing has excellent capability in dynamic applications and the additional graphite lubricant acts as a further blocking agent to improve sealing

Application:

Virtually resistant to all media over an extensive range of pressures and temperatures. This braided yielding a packing that is consistently dense with excellent volumetric stability.

Service Capabilities

Min. Temperature	-240˚C Max.
Steam Temperature	650˚C Max.
Temperature	430˚C Max.
Static Pressure	150 Bar Max.
Dynamic Pressure	8 Bar Max.
Speed	30 m/s
pH Range	0-14

Note: The packing should not be subjected to the maximums of temperature, pressure and speed simultaneously.

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GXB450C-RPV

Material:
Graphite encapsulated PTFE yarn

Application:
New generation, multi-service packing for both pump & valve applications. Non Asbestos PTFE with encapsulated graphite providing excellent sealing & reliability in high performance duties. Can be used in virtually all media including strong acids and alkalis. It has very good heat dissipating properties and is easy on sleeves and shafts. Very good in mild slurries as well as on vacuum and boiler feed pumps. It requires only minimal gland loading to effect a satisfactory seal.

Typical applications
Valve and pump packing in the Pulp & Paper, Mining, Marine, Agriculture, Sugar and Water Supply industries.

Service Capabilities

Operating Temperature	–200 to 280°C
pH capability	0 – 14
Max rotary Pressure	30 bar
Max static Pressure	200 bar
Max rotary Speed	20 m/sec
Max reciprocating pressure	100 bar
Max reciprocating speed	3 m/sec

Note: The packing should not be subjected to the maximums of temperature, pressure and speed simultaneously.

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GXB260CPV/P

Material:
PTFE Braided yarn

Application:
An excellent choice for plant wide use especially when a clean, non-contaminating packing is required with a very high degree of chemical resistance. Can be used in virtually all media including strong acids and alkalis. Also suitable for use on Oxygen valve applications. Suitable for Oxygen service in valves up to 20 bar pressure, 600C for gaseous oxygen. For liquid oxygen there is no limitation other than the general limitations of the packing. Water and food compatible. Yarns are FDA compliant.

Service Capabilities

Operating Temperature	–240 to 260°C
pH capability	0 – 14
Max rotary Pressure	20 bar
Max static Pressure	200 bar
Max rotary Speed	3m/sec
Max reciprocating pressure	100 bar
Max reciprocating speed	2 m/sec

Note: The packing should not be subjected to the maximums of temperature, pressure and speed simultaneously.

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GXT450C-G100

Material:

Exfoliated graphite crinckled tape (adhesive)

Application:

Virtually resistant to all media with the exception of strong oxidisers. Can be fitted directly into the valve stuffing box and compressed to create a packing suitable for high temperature and pressure applications. Can be supplied plain or with adhesive backing.

Service Capabilities

Operating Temperature	–200 to 450°C
pH capability	0 – 14
Density	1.0g/cm3
Purity	>98%

Note: The packing should not be subjected to the maximums of temperature, pressure and speed simultaneously.

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GXB260C-V/P

Material:

PTFE filaments incorporating a graphite based lubricant.

Application:

Virtually resistant to all media including strong acids and alkalis. Braided, PTFE filaments, which have been specially treated to incorporate a graphite based lubricant. Due to its wide service capabilities This packing offers the user a packing material with excellent sealing life and the option of reducing the variety of packings that must be held as stock.

Service Capabilities

Operating Temperature	–240 to 260°C
pH capability	0 – 14
Max rotary Pressure	20 bar
Max static Pressure	200 bar
Max rotary Speed	3m/sec
Max reciprocating pressure	100 bar
Max reciprocating speed	2 m/sec

Note: The packing should not be subjected to the maximums of temperature, pressure and speed simultaneously.

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GKF450-ST

Material:

Gaskonix die formed ring are made of low-Sulphur expanded graphite without any filler and binders. They are compressed in precise moulding tools to the required density. Due to the high purity of the material, no special corrosion protection is required. In general, it has square section and V-Shaped and Wedge-shaped section.

Types:

- ***PURE GRAPHITE RINGS***
- ***GRAPHITE BRAIDED SPLIT RING/PTFE BRAIDED SPLIT RING***
- ***GRAPHITE RING WITH STEEL CAP***

Application:

>Bear violent alteration of temperature and pressure.
>It is ideal packing for valve and static seal in almost all applications.
>Can be used as stand-alone packing or combination other packing rings.

Service Capabilities

Operating Temperature	–200 to 450
Steam temperature	up to 650
Max rotary pressure	20 Bar
Max Surface Speed	5 m/s
Max valve pressure	350 Bar
Max valve spindle speed	3 m/s
Max reciprocating pressure	20 Bar
Max reciprocating speed	2 m/s
pH capability	0 – 14
Density	1.0g/cm³
Purity	>98%

Note: The packing should not be subjected to the maximums of temperature, pressure and speed simultaneously.

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Gaskonix lantern ring is a perforated hollow ring located near the center of the stuffing box of a pump. Despite its simplistic appearance, it plays a crucial role in the successful operation of a pump system.

The Lantern Ring's Role

Lantern rings simultaneously serve three main purposes:

Protection — The term lantern ring comes from the primary use of the word lantern. A lantern is a vessel or device that covers up or protects a light source. Lantern rings help protect the stuffing box by allowing flush water or pressure to enter. They also keep contaminants out. If the material that is being pumped or any other foreign matter enters the stuffing box, it could destroy the packing or damage the shaft or stuffing box.

Outlet for cooling — Lantern is also an architectural design term for a structure on top of a roof or in an attic that allows for ventilation. These structures allow buildings to breathe. Lantern rings provide an opening and assist cooling in the stuffing box. This keeps the system from being completely closed off.

Lubrication — Another main function of the lantern ring is to facilitate lubrication. The fluid entering the lantern ring lubricates the packing. This reduces friction against the shaft. In addition, lubrication helps reduce wear of the machine parts and the amount of excess heat generated within the system.

Only Used with Packing

In these three applications, lantern rings are only used in conjunction with packing. It is a crucial element, because packing tends to generate heat. Heat increases wear that could shorten the life of the packing and the shaft. Placing a lantern ring between packing rings extends the life of the packing, the stuffing box, and the shaft. Ultimately, this increases the lifespan of the whole system long term.

Material we offer:

- PTFE
- PEEK
- Stainless Steel
- BRASS
- ALUMINIUM

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