

Pilotgraph 4001 Packing



- Long sealing life for high temperature high pressure applications
- Inclusion of a corrosion inhibitor ensures stainless steel shafts do not suffer pitting
- Manufactured from highest quality pure graphite with minimal impurities
- High thermal conductivity and low friction properties ensure increased service life
- Easy to cut and install so can be used to replace moulded rings resulting in greatly reduced stock and cost

Description

Manufactured from very pure expanded graphite containing minimal amounts of trace elements such as sulphur and chloride. This ensures that the packing has high thermal conductivity, very low friction and rapid heat dissipation, factors that ensure a long seal life. The inclusion of a corrosion inhibitor ensures that when the packing is used on components with stainless steel stems, pitting does not occur in environments prone to galvanic corrosion.

Pilotgraph 4001 is excellent packing for use on rotating pumps, reciprocating pumps and valves on hot oils, hydrocarbons, chemicals, solvents, steam (saturated & superheated) in refineries, petro chemical, power generation and metal processing industries.

Operating Parameters



Pump applications

Speed: 25 m/s (4920 fpm)
Temperature range: -200 to 450°C (-330 to 840°F)
Pressure: 25 bar (360 psi)



Valve applications

Temperature range: Inert gas conditions -200 to 1000°C (-330 to 1830°F)
Steam -200 to 650°C (-330 to 1200°F)
Oxidising environment -200 to 450°C (-330 to 840°F)
Maximum pressure: 300 bar (4350 psi) For higher pressures, please contact Beldam Crossley



Reciprocating applications

Speed: 2 m/s (390 fpm)
Temperature range: -200 to 450°C (-330 to 840°F)
Maximum pressure: 200 bar (3900 psi)

Chemical Compatibilities

For the pH range 0-14, the packing is chemically inert and suitable for steam. It should not be installed in strong oxidising environments such as hot concentrated nitric acid, highly concentrated sulphuric acid and molten alkali metals.

Sizes Available

All square sections from 3mm (1/8") to 25mm (1") are generally available from stock in differing lengths depending on the cross section. Larger and rectangular sections can also be manufactured to order. Pilotgraph 4001 packing can also be supplied in preformed or die formed rings.



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