

# PILOTPACK 4001

For High Temperature Valves & Pumps



## Pump applications

Speed:	25 m/s
Temperature range:	- 200 to 450°C
Pressure:	25 bar

## Valve applications

Temperature range:	Up to 650°C
Steam	- 200 to 450°C
Oxidising environment	- 200 to 450°C
Maximum pressure:	300 bar (4350 psi)

## Reciprocating applications

Speed:	2 m/s
Temperature range:	- 200 to 450°C
Maximum pressure:	200 bar

## Description

Manufactured from 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. PILOTPACK 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.

## Applications

- 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.

## 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. PILOTPACK 4001 packing can also be supplied in preformed or die formed rings.