

## VR3






### Product Information

Vulcan VR3 braided packing is constructed from 100% Grafan self-lubricating graphite yarn for exceptional performance in high temperature, high pressure valves. Under compression in the gland, VR3 die-forms into packing rings, eliminating need to wrap ribbon tape around valve stems or to use individual rings. VR3 can be cut to length and spiralled into the gland and will not shrink, harden or dry out.

### Applications

Extreme conditions, long life and zero leakage for all uses up to high temperature, high pressure, high speed applications on pumps, valves, mixers, agitators, expansion joints, ball valve seats and other static seals. Suitable for use with all acids, alkalis and solvents (except very strong oxidants), gases, feed water and superheated (saturated) steam.

SERVICE CAPABILITIES		   Valve    Piston    Pump	
Pressure Rating	20 MPa	Rotary Speed	30 m/s
Temperature	-200°C +3000°C (inert ATM) -200°C +600°C (in air)	pH Range	0–14

## VR31




### Product Information

Vulcan VR31 braided packing is constructed from 100% Grafan self-lubricating graphite yarn reinforced with Inconel wire. The ideal packing for exceptional performance in high temperature, high pressure valves. Under compression in the gland, VR31 die-forms into packing rings, eliminating need to wrap ribbon tape around valve stems or to use individual rings. VR31 can be cut to length and spiralled into the gland and will not shrink, harden or dry out.

### Applications

Extreme conditions, long life and zero leakage for all uses up to high temperature, high pressure applications on pumps, valves, mixers, agitators, expansion joints, ball valve seats and other static seals. For use in static applications only. Suitable for use with all acids, alkalis and solvents (except very strong oxidants), gases, feed water and superheated (saturated) steam.

SERVICE CAPABILITIES		 Valve	
Pressure Rating	36 MPa	Rotary Speed	1 m/s
Temperature	-200°C +3000°C (inert ATM) -200°C +600°C (in air)	pH Range	0–14

## GLAND PACKING EXTRACTION TOOLS

Highly efficient and widely used extraction tool, with long flexible shank to gain access to glands in difficult positions. A T-handle provides good grip for both screw action and the efficient removal of packings.

### Service capabilities

- Size 1: 5mm and 6.5mm packings.
- Size 2: 8mm and 10mm packings.
- Size 3: 11mm, 12.5mm and 16mm packings.
- Size 4: 20mm packings and larger.



PART No.	DESCRIPTION
07-1C	#1 EXTRACTOR INT TIP 3/16,1/4
07-2C	#2 EXTRACTOR INT TIP 5/16,3/8
07-3C	#3 EXTRACTOR INT TIP 7/16,5/8
07-4C	#4 EXTRACTOR INT TIP 3/4



## PRIORITY 8 GLAND PACKING RANGE



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THE BEST PACKING FOR VALVES, PISTONS & PUMPS

*Note: The parameters quoted herein are guidelines only and should be treated as such. Maximum temperature and pressure cannot necessarily be applied simultaneously. As the applications and/or conditions of use of these products are beyond the manufacturers control, users should satisfy themselves that the product is suitable for the intended purpose.*

## VT9L



### Product Information

Vulcan VT9L is braided from pure PTFE multi-filament yarn impregnated with PTFE dispersion and saturated with chemically resistant lubricants. The PTFE fibres are pre-shrunk and square inter-braided to produce a dimensionally stable packing. VT9L chemical pump packing exhibits high mechanical strength and high operational stability under demanding conditions and excellent non-friction characteristics. Shaft wear is virtually eliminated.

VT9L is manufactured from FDA compliant materials

### Applications

The enhanced lubrication and multi-filament yarn treatment allows extended service capability in pumps up to 12/m<sup>2</sup> surface shaft speed. Suitable for use with solvents and virtually all chemicals except molten and alkaline metals and fluorine.

SERVICE CAPABILITIES		  	
Pressure Rating	12 MPA	Rotary Speed	12.7 m/s
Temperature	-40°C +276°C	pH Range	0–14





## VP2

### Product Information

Vulcan VP2 is manufactured from a unique Vulcan G1 fibre developed to be similar in material construction to GORE® GFO fibre, optimising performance at an economical price. G1 yarn is constructed from PTFE tape and graphite interlocked to create a synergy between these two premier packing materials. High temperature break-in and running lubricants are added to the yarns prior to braiding in our CROSS-LOCK® lattice. The result is an exceptional process packing that gives longer service life in the majority of applications. With the exception of high mechanical load (highly abrasive media or high pressure) or temperatures above PTFE's limit of 280°C, Vulcan VP2 is the ultimate packing for general pump duties.

### Applications

For use whenever quality and value are required. Since the actual purchase cost of a packing is typically only 3% of the true utilisation cost, Vulcan recommends VP2 PTFE graphite packing for all possible applications. It will increase service life and minimise wear and gland adjustments against nearly all media in static, rotary and reciprocating uses.

SERVICE CAPABILITIES		  	
Pressure Rating	12 MPA	Rotary Speed	25.4 m/s
Temperature	-198°C +276°C	pH Range	0–14

## VK4B





### Product Information

Vulcan VK4B is an interlace, square braid packing manufactured from Kevlar® aramid fibres impregnated with PTFE dispersion and treated with high temperature break-in lubricant. Kevlar® offers a unique combination of extremely high tensile strength, lasting resilience, low thermal expansion, low coefficient of friction and wide chemical resistance. VK4B is a true multi-service packing well suited to the needs of many industries, particularly where physical strength in a packing is required. Ideal for use as anti-extrusion, abrasion resistant back-up rings with other packing types to increase the life of any packing combination.

### Applications

For rotary and reciprocating pumps and valves, including high pressure or high mechanical load conditions, VK4B is suitable for abrasive slurries, sewage, effluents, water, oils, solvents and most chemicals. Non-staining superior lubrication means less wear and a higher shaft speed capability than some other Kevlar® packing types. Suitable for use in the paper industry.

SERVICE CAPABILITIES		  	
Pressure Rating	40 MPA	Rotary Speed	15.24 m/s
Temperature	-101°C +276°C	pH Range	1–13

## VK5






### Product Information

Vulcan VK5 G1 Kevlar® has the best combination of features of any packing fibre but it may extrude or deteriorate in high mechanical load conditions. Square inter-braiding adds the strength of Kevlar® on the corner posts for dimensional stability and to resist extrusion. The G1 yarns are braided to the packing surfaces to enhance smooth running and sealing capability.

### Applications

VK5 combines mechanical strength with surface lubricity to give long lasting, high performance sealing. A near universal packing for use in all rotary, reciprocating and static gland applications.

SERVICE CAPABILITIES		  	
Pressure Rating	25 MPA	Rotary Speed	25.4 m/s
Temperature	-101°C +276°C	pH Range	0–14

## VK4T






### Product Information

Vulcan VK4T follows the same principles and benefits as VK5 but utilises PTFE fibres rather than G1. Vulcan VK5 is THE packing for extended life in high pressure or mechanical load conditions, particularly on worn or large tolerance equipment and in the most demanding chemical environments. Shaft wear is virtually eliminated, and high speeds and aggressive chemicals can be handled, because of the presence of G1 on sealing faces. Extrusion and gland maintenance is negligible, even in the most arduous of applications, due to the inter-locked braiding of Kevlar®.

### Applications

VK4T combines mechanical strength with surface lubricity to give long lasting, high performance sealing. A near universal packing, for use in all rotary, reciprocating and static gland applications.

SERVICE CAPABILITIES		  	
Pressure Rating	25 MPA	Rotary Speed	15.24 m/s
Temperature	-101°C +287°C	pH Range	0–14

## VF4





### Product Information

Vulcan VF4 is braided from long fibre, heavy duty flax yarns impregnated with PTFE and treated with break-in lubricants. Designed to give a very low coefficient of friction, resistance to wear and rotting, good compressibility, high flexibility, high tensile strength and comparative ease of installation and take-up. VF4 PTFE Flax packing is especially designed to seal large cross-sectional areas and is ideal to solve the exacting sealing requirements of stern glands in marine applications. Provides superior service in heavy reciprocating machinery, rotary applications handling abrasive media and heavy duty static applications such as tank lid seals.

### Applications

For use in the paper, marine, chemical, pharmaceutical, sugar and water industries. Suitable for salt water, slurries, hydrocarbons, oils, greases and solvents.

SERVICE CAPABILITIES		 	
Pressure Rating	13 MPA	Rotary Speed	10.16 m/s
Temperature	-28°C +121°C	pH Range	2–12