



Vulcan Seals Type VG4

Technical Data Sheet



Product Description

The **Vulcan Seals Type VG4** is a 100% pure Graphite packing that is capable of near-universal application. The Vulcan Seals Type VG4 is inter-braided from pure Graphite yarn impregnated fibre by fibre with pure Graphite powder. The Graphite powder increases the natural sealing effect of the Graphite yarns and acts as a surface lubricant to produce a virtually non-scoring packing.

Graphite fibre is superior to any other yarn in the degree to which it combines outstanding packing properties, namely; excellent thermal conduction, smooth running, near universal chemical resistance, and extreme temperature capability.

The use of the **Vulcan Seals Type VG4** pure Graphite fibre packing provides an opportunity to extend the use of the packed gland into extreme areas of speed, temperature, and chemical resistance. In more normal applications, the quality of **Vulcan Seals Type VG4** will result in maintenance savings many times in excess of the actual packing cost.

Why Choose the Vulcan Seals Type VG4?

- Impregnated fibre by fibre with pure Graphite powder
- Excellent thermal conduction, smooth running, and near-universal chemical resistance
- Suitable for pumps and valves in extreme conditions
- Suitable and certified for use in nuclear power plants

Suitable Applications

For pumps and valves in extreme conditions or where the value of the best quality packing can be realised. Universal chemical resistance (sole exceptions are fuming nitric acid, oleum, aqua regia and fluorine). Suitable for use in nuclear power plants. Percentage of soluble chloride is less than 50ppm.

Operating Limits

Pressure Rating	Rotary Speed	Temperature	pH Range
300 bar	20 M/S	Up to 427°C in Oxidising - Up to 2760°C in Inert	0 - 13

Gland Packing Replacement Range

The Vulcan Seals Type VG4 is a dimensional replacement for the following gland packing ranges:

- AESSEAL® | 310
 - Burgmann® | 3250
 - Burgmann® | 4010
 - Chesterton® | 1
 - Chesterton® | TWO
 - James Walker® | 489
 - John Crane® | 230 GF
 - Garlock® | G 200
 - Klinger® | 44
 - Palmetto® | 1555
 - Texpack® | 4134
 - Teadit® | 4000
 - Utex® | 229
- American Branding® | 8000
 - Burgmann® | 6011 A
 - Crane® | 1635G
 - Chesterton® | 2
 - Depac® | 730
 - James Walker® | Grafpack
 - John Crane® | 1625 G
 - Garlock® | G 700
 - Latty® | 6000
 - Robco® | 3400
 - Teadit® | 2001
 - Tombo® | 29
 - Utex® | 280
- Apollo® | 380
 - Burgmann® | Isartherm
 - Chemstar® | 160
 - Chesterton® | ONE
 - Flexitalic® | 301
 - John Crane® | 25 GF
 - Garlock® | G 100
 - I.M.P.® | 40
 - Merkel® | 6575
 - Sepco® | ML 4500
 - Teadit® | 2002
 - Tombo® | 40
 - Utex® | 690

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