



Vulcan Seals Type VR3
Technical Data Sheet



Product Description

The **Vulcan Seals Type VR3** braided packing is constructed from 100% Grafan yarns, to form pure Expanded Graphite packing with truly exceptional capabilities and performance. Under compression in the gland, the **Vulcan Seals Type VR3** die-forms into packing rings like Vulcan Seals Type VR2, whilst offering the advantage of avoiding the need to laboriously wrap Vulcan Seals Type VR1 ribbon tape around valve stems or the cost of an inventory of many sizes of individual Vulcan Seals Type VR2 die-formed rings.

Vulcan Seals Type VR3 can be cut to length and spiraled into the gland. There is no need for individual cut rings, as is the case with conventional braided packing. Grafan is self-lubricating and will not shrink, harden, or dry out in use.

Operating Limits

Pressure Rating	Rotary Speed	Temperature	pH Range
200 bar	30 M/S	-200°C to +3000°C (Inert ATM) -200°C to +600°C (In Air)	0 - 14

Gland Packing Replacement Range

The Vulcan Seals Type VR3 is a dimensional replacement for the following gland packing ranges:

- AESSEAL® | 350
 - Burgmann® | 4000
 - Crane® | G58
 - Garlock® | 1300-E
 - Klinger® | 3222
 - Palmetto® | 1030
 - Palmetto® | 5080
 - Sepco® | ML 2001
 - Texpack® | 4168
 - Teadit® | 2001IC
 - Universal® | 7110G1
 - Utex® | 631
 - Utex® | 688
- American Branding® | 5000
 - Crane® | 1336
 - Chesterton® | 1400
 - Garlock® | 1304
 - Klinger® | 46
 - Palmetto® | 1550
 - Palmetto® | Pinnacle flexibraid
 - Sepco® | ML 4444
 - Teadit® | 2202
 - Teadit® | 4090
 - Utex® | 226
 - Utex® | 632
- Burgmann® | Pitograph
 - Crane® | G57
 - Garlock® | 1300
 - Garlock® | 1333-G
 - Latty® | Lattygraf TSP
 - Palmetto® | 5000
 - Pillar® | 6610
 - Sepco® | ML 6402
 - Teadit® | 2000
 - Universal® | 74490
 - Utex® | 610
 - Utex® | 686

Why Choose the Vulcan Seals Type VR3?

- Designed for high-temperature, high-pressure, and high-speed applications.
- Suitable for use in pumps, valves, mixers, agitators, expansion joints, ball valve seats and other static seals

Suitable Applications

Extreme condition, long life, and zero leakage packing 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. Vulcan Seals Type VR1 and Vulcan Seals Type VR31 are designed for use in static applications only. Against all acids, alkalis, and solvents (except very strong oxidants), gases, feed water, and superheated, or saturated steam.

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