



Vulcan Seals Type VK4

Technical Data Sheet



Product Description

The **Vulcan Seals Type VK4** is a square-braided gland packing manufactured from spun aramid fibre, impregnated with a high-quality lubricant system to reduce friction and heat generation during service. The aramid fibre construction provides high tensile strength, excellent abrasion resistance, and dimensional stability, making THE Vulcan Seals Type VK4 suitable for general industrial sealing duties where mechanical robustness and wear resistance are required.

The ****Vulcan Seals Type VK4**** is intended for use in clean to moderately aggressive services, where operating conditions fall within the stated pressure, temperature, and chemical limits

Suitable Industries

The Vulcan Seals Type VK4 is suitable for use in:

- ✓ Water and wastewater
- ✓ Water and wastewater treatment
- ✓ General industrial utilities
- ✓ Power and energy (auxiliary services)
- ✓ Pulp and paper
- ✓ Mining and mineral processing (non-slurry duties)
- ✓ Steel and metals processing (auxiliary services)
- ✓ Chemical processing (non-oxidising, moderate chemical exposure)

Chemical Properties

- Base fibre: Spun aramid fibre
- Impregnation: Lubricant system (non-metallic)
- Good resistance to water, oils, and mild chemicals
- Stable in neutral to moderately aggressive chemical environments
- Suitable for general industrial chemical exposure within stated limits

Why Choose the Vulcan Seals Type VK4?

- Spun aramid fibre construction for **high mechanical strength**
- Excellent resistance to **abrasion and extrusion**
- Lubricant impregnation reduces frictional heat and wear
- Maintains dimensional stability under load
- Reliable performance in **general industrial service**
- Economical solution for mechanically demanding duties



Valves - Operating Limits

Max Operating Pressure	Linear Speed	Min Operating Temperature	pH Range
250 bar	Static Only	10°C / 50°F	2-12



Centrifugal Pumps - Operating Limits

Max Operating Pressure	Linear Speed	pH Range
80 bar	12 m/s	2-12



Reciprocating Pumps - Operating Limits

Max Operating Pressure	Linear Speed	Min Operating Temperature	pH Range
200 bar	≤1 m/s	10°C / 50°F	2-12

* All product names, brands and trademarks shown are property of their respective owners, are for identification purposes only, and do not imply affiliation nor endorsement.
 **All information supplied within, has been given in good faith and in Vulcan Seals' best judgement. It is meant for guidance purposes only. Vulcan Seals reserves the right to amend all statements, dimensions and technical data without prior notice.



Dimensional Data

Cross Section. Sq (inch)	Packaged Weight (kg)	Packaged Weight (lb)	Packaged Weight (lb) US ONLY	Length of Coil (m)	Product Code	US Product Code
1/8"	0.10	0.221	1	8	VK4.1/8	VK4.1/8.1LB
3/16"	0.27	0.595	1	8	VK4.3/16	VK4.3/16.1LB
1/4"	0.38	0.838	2	8	VK4.1/4	VK4.1/4.2LB
5/16"	0.68	1.499	2	8	VK4.5/16	VK4.5/16.2LB
3/8"	1.05	1.630	2	8	VK4.3/8	VK4.3/8.2LB
7/16"	1.27	1.900	5	8	VK4.7/16	VK4.7/16.5LB
1/2"	1.51	3.330	5	8	VK4.1/2	VK4.1/2.5LB
9/16"	2.04	4.498	5	8	VK4.9/16	VK4.9/16.5LB
5/8"	2.66	5.865	5	8	VK4.5/8	VK4.5/8.5LB
3/4"	3.70	8.159	10	8	VK4.3/4	VK4.3/4.10LB
7/8"	4.69	10.937	10	8	VK4.7/8	VK4.7/8.10LB
1"	6.40	14.112	10	8	VK4.1/0	VK4.1/0.10LB

Please note that the lengths and weights provided are for informational purposes only and are not contractual.

Gland Packing Replacement Range

The Vulcan Seals Type VK4 is a dimensional replacement for the following gland packing ranges:

- AESSEAL® | 245
- Burgmann® | 3507
- Garlock® | 904
- James Walker® | Emulsion XAP
- John Crane® | 1325
- Merkel® | 6215
- Sepco® | ML 4800
- Teadit® | 2004
- Tombo® | 9040
- Utex® | 222
- Apollo® | 3100
- Chesterton® | 1740
- Garlock® | 5200
- John Crane® | K1730
- Latty® | 4789
- Palmetto® | 1350
- Texpack® | 4133
- Teadit® | 2044
- Utex® | 212
- Burgmann® | 5020
- Depac® | 723
- Garlock® | 41605
- John Crane® | 72 AR
- Merkel® | Arolan 2
- Robco® | 4039
- Teadit® | 26
- Teadit® | 5002
- Utex® | 220

® ™ All product names, brands and trademarks shown are property of their respective owners, are for identification purposes only, and do not imply affiliation nor endorsement.

**All information supplied within, has been given in good faith and in Vulcan Seals' best judgement. It is meant for guidance purposes only. Vulcan Seals reserves the right to amend all statements, dimensions and technical data without prior notice.