



Vulcan Seals Type VG8L

Technical Data Sheet



Product Description

The **Vulcan Seals Type VG8L** is a braided gland packing manufactured from **glass fibre yarn**, thoroughly impregnated with **PTFE dispersion and inert lubricants**.

The glass fibre construction provides dimensional stability and mechanical strength, while the PTFE impregnation reduces friction, improves lubrication, and promotes cooler running under service conditions. The Vulcan Seals Type VG8L is primarily designed for **valve packing applications** and is also suitable for **slow-moving rotary and reciprocating equipment** operating in general utility environments. The ****Vulcan Seals Type VG8L**** offers a clean-running, low-friction sealing solution for non-abrasive duties where controlled leakage, reduced shaft wear, and reliable sealing performance are required.

Suitable Industries

The Vulcan Seals Type VG8L is suitable for use in:

- Water and wastewater
- Utilities and general industry
- Power generation auxiliary systems
- Chemical processing (non-aggressive media)

Chemical Properties

- Base fibre: Glass fibre
- Impregnation: PTFE dispersion with inert lubricant
- Good resistance to mild acids and alkalis
- Stable in water, steam, and general utility media
- Low friction coefficient (≤ 0.3 typical)

Why Choose the Vulcan Seals Type VG8L?

- Glass fibre construction provides good dimensional stability
- PTFE impregnation reduces friction and heat generation
- Smooth, cool-running packing for valve and utility duties
- Suitable for static and slow-moving applications
- Broad chemical compatibility across moderate pH ranges



Valves - Operating Limits

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



Centrifugal Pumps - Operating Limits

Max Operating Pressure	Linear Speed	pH Range
15 bar	10 m/s	2 - 12



Reciprocating Pumps - Operating Limits

Max Operating Pressure	Linear Speed	Min Operating Temperature	pH Range
150 bar	1.5 m/s	10°C / 50°F	2 - 12

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**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"	0.12	0.265	1	30	VG8L.1/8	VG8L.1/8.1LB
3/16"	0.34	0.750	1	30	VG8L.3/16	VG8L.3/16.1LB
1/4"	0.49	1.080	2	8	VG8L.1/4	VG8L.1/4.2LB
5/16"	0.86	1.896	2	8	VG8L.5/16	VG8L.5/16.2LB
3/8"	1.34	2.955	2	8	VG8L.3/8	VG8L.3/8.2LB
7/16"	1.63	3.594	5	8	VG8L.7/16	VG8L.7/16.5LB
1/2"	1.90	4.190	5	8	VG8L.1/2	VG8L.1/2.5LB
9/16"	2.59	5.711	5	8	VG8L.9/16	VG8L.9/16.5LB
5/8"	3.38	7.453	5	8	VG8L.5/8	VG8L.5/8.5LB
3/4"	4.68	10.319	10	8	VG8L.3/4	VG8L.3/4.10LB
7/8"	6.20	13.671	10	8	VG8L.7/8	VG8L.7/8.10LB
1"	8.00	17.640	10	8	VG8L.1/0	VG8L.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 VG8L is a dimensional replacement for the following gland packing ranges:

- AESSEAL® | 405
- James Walker® | 403 AR
- John Crane® | 1990
- Teadit® | 2019
- Universal® | 7803
- Chesterton® | 1710
- James Walker® | Fluolion Emulsion 6
- Klinger® | 4303
- Teadit® | 6002
- U.S. Seal MFG® | 305
- Flexitalic® | 713 L
- I.M.P.® | 79
- Teadit® | 27 A
- Tombo® | 9044

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