



Vulcan Seals Type VG2

Technical Data Sheet



Product Description

The **Vulcan Seals Type VG2** is a composite braided gland packing manufactured from **acrylic (PAN) fibre**, heavily impregnated with **graphite lubricants**.

The construction provides good lubricity, thermal stability, and resistance to shaft wear, making the Vulcan Seals Type VG2 a reliable **general-purpose packing** for pumps and valves handling clean to moderately aggressive media.

The graphite impregnation reduces friction, minimises heat build-up, and improves sealing performance under continuous operation.

Suitable Industries

The Vulcan Seals Type VG2 is suitable for use in:

- Water & wastewater
- General process industries
- Chemical processing (non-oxidising media)
- Power and utilities

Chemical Properties

- **Base fibre:** Acrylic (PAN)
- **Impregnation:** Graphite lubricant (≥ 8% oil/graphite content)
- Resistant to oils, water, steam, and common chemicals
- Stable in hot aqueous services
- Not chemically reactive under normal service conditions

Why Choose the Vulcan Seals Type VG2?

- Can be **wrapped directly into the stuffing box** to form a custom packing set
- Ideal for worn shafts, oval glands, and non-standard sizes
- Eliminates the need for pre-cut or pre-formed packing rings
- Corrugated expanded graphite structure ensures good consolidation
- Suitable for both **on-site maintenance** and **die-forming applications**
- High carbon purity (>98%) for stable thermal and chemical performance
- Self-lubricating graphite reduces shaft wear
- Reduces inventory by covering multiple gland sizes



Valves - Operating Limits

Max Operating Pressure	Linear Speed	Min Operating Temperature	pH Range
200 bar	Static Only	50°C / 122°F	2 - 12



Centrifugal Pumps - Operating Limits

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



Reciprocating Pumps - Operating Limits

Max Operating Pressure	Linear Speed	Min Operating Temperature	pH Range
100 bar	1.8 m/s	50°C / 122°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"	0.34	0.750	1	8	VG2.1/8X30MTR	VG2.1/8.1LB
3/16"	0.90	1.985	1	8	VG2.3/16 X30MTR	VG2.3/16.1LB
1/4"	0.34	0.750	2	8	VG2.1/4	VG2.1/4.2LB
5/16"	0.59	1.301	2	8	VG2.5/16	VG2.5/16.2LB
3/8"	0.93	2.051	2	8	VG2.3/8	VG2.3/8.2LB
7/16"	1.10	2.426	5	8	VG2.7/16	VG2.7/16.5LB
1/2"	1.31	2.889	5	8	VG2.1/2	VG2.1/2.5LB
9/16"	1.79	3.947	5	8	VG2.9/16	VG2.9/16.5LB
5/8"	2.29	5.049	5	8	VG2.5/8	VG2.5/8.5LB
3/4"	3.23	7.122	10	8	VG2.3/4	VG2.3/4.10LB
7/8"	4.26	9.393	10	8	VG2.7/8	VG2.7/8.10LB
1"	5.50	12.128	10	8	VG2.1/0	VG2.1/0.10LB

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 VG2 is a dimensional replacement for the following gland packing ranges:

- Apollo® | 1100
- Drew® | 400
- Garlock® | 5000
- Garlock® | 41602
- Robco® | 5017
- Teadit® | 2255
- Universal® | 7808
- Utex® | 277
- Chesterton® | 1315
- James Walker® | Ico XA
- Garlock® | 8909
- Garlock® | 41603
- Sepco® | ML 402
- Teadit® | 4001
- U.S. Seal MFG® | 303
- Crane® | 1340
- Garlock® | 1965
- Garlock® | 8913
- Palmetto® | 1007
- Texpack® | 4173
- Teadit® | 8800
- Utex® | 236

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