VULCAN SEALS

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Vulcan Seals Type VG8D

Technical Data Sheet

Product Description

The **Vulcan Seals Type VG8D** is a **glass fibre braided gland packing**, manufactured from continuous, texturized E-glass yarns and **thoroughly impregnated with PTFE dispersion.**
The construction provides good mechanical strength, dimensional stability and chemical resistance, making the Vulcan Seals Type VG8D suitable for **static sealing**, **slow-moving reciprocating applications**, and **low-speed rotary duties** where media is clean and non-abrasive.

Suitable Industries

The Vulcan Seals Type VG8D is suitable for use in:

- ✅ Pulp and paper (chemical make-up and dosing duties in papermaking and effluent treatment)
- ✅ Water and wastewater utilities (chemical dosing and clean service applications)
- ✅ Chemical processing (non-abrasive media)
- ✅ Power generation auxiliary systems
- ✅ General industrial utilities and services

The Vulcan Seals Type VG8D is not suitable for use in:

- ❌ End-product displacement duties
- ❌ Slurry, sludge or solids-laden media
- ❌ Abrasive or fibrous fluids
- ❌ Wastewater, thickener or conveying applications
- ❌ High-speed rotary shafts

Chemical Properties

- Base fibre: Texturized E-glass fibre
- Impregnation: PTFE dispersion
- Good chemical resistance to acids, alkalis and common industrial chemicals
- PTFE impregnation provides reduced friction and improved gland lubrication
- Chemically stable in clean, non-abrasive fluid services
- Not suitable for abrasive, slurry, fibrous or solids-laden media

Why Choose the Vulcan Seals Type VG8D?

- PTFE dispersion reduces friction and improves gland consolidation
- Strong glass fibre structure provides dimensional stability under load
- Suitable for static, reciprocating and limited rotary duties
- Good chemical resistance across a wide pH range
- Cost-effective solution for light-duty industrial sealing applications

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
30 bar	≤1 m/s	2 - 12

Reciprocating Pumps - Operating Limits

Max Operating Pressure	Linear Speed	Min Operating Temperature	pH Range
150 bar	≤0.5 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.

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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	VG8D.1/8	VG8D.1/8.1LB
3/16"	0.34	0.750	1	30	VG8D.3/16	VG8D.3/16.1LB
1/4"	0.49	1.080	2	8	VG8D.1/4	VG8D.1/4.2LB
5/16"	0.86	1.896	2	8	VG8D.5/16	VG8D.5/16.2LB
3/8"	1.34	2.955	2	8	VG8D.3/8	VG8D.3/8.2LB
7/16"	1.63	3.594	5	8	VG8D.7/16	VG8D.7/16.5LB
1/2"	1.90	4.190	5	8	VG8D.1/2	VG8D.1/2.5LB
9/16"	2.59	5.711	5	8	VG8D.9/16	VG8D.9/16.5LB
5/8"	3.38	7.453	5	8	VG8D.5/8	VG8D.5/8.5LB
3/4"	4.68	10.319	10	8	VG8D.3/4	VG8D.3/4.10LB
7/8"	6.20	13.671	10	8	VG8D.7/8	VG8D.7/8.10LB
1"	8.00	17.640	10	8	VG8D.1/0	VG8D.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 VG8D is a dimensional replacement for the following gland packing ranges:

- Flexitalic® | 713 D
- Teadit® | 27 AV

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