



Vulcan Seals Type VP2

Technical Data Sheet



Product Description

The **Vulcan Seals Type VP2** is a high-performance braided gland packing manufactured from a **PTFE and graphite yarn blend**, designed to provide reliable sealing across a wide range of chemical and mechanical duties.

The construction combines PTFE tape with finely dispersed graphite, producing a dense, uniform braid that delivers **low friction, good thermal conductivity, and excellent chemical resistance**. The graphite content improves heat dissipation and reduces shaft or sleeve wear, while the PTFE matrix ensures dimensional stability and clean operation. The **Vulcan Seals Type VP2** is suitable for **rotary, reciprocating, and static sealing applications**, particularly where a wide pH range, temperature resistance, and smooth running characteristics are required.

Suitable Industries

The Vulcan Seals Type VP2 is suitable for use in:

- ✓ Chemical processing
- ✓ General manufacturing
- ✓ Water and wastewater
- ✓ Power and utilities
- ✓ Oil & gas (non-oxidising services)
- ✓ Pulp & paper (clean services)

The Vulcan Seals Type VP2 is not suitable for use in:

- ✗ Strong oxidising agents (e.g. fuming nitric acid)
- ✗ Molten alkali metals
- ✗ Services requiring certified food or pharmaceutical compliance

Chemical Properties

- Base fibre: PTFE with graphite dispersion
- Lubrication: Inherent (graphite content)
- Construction: Braided packing, uniform density

Why Choose the Vulcan Seals Type VP2?

- Broad **chemical compatibility** across the full pH range (0-14)
- **Low friction running**, reducing heat generation and shaft wear
- Good **thermal conductivity**, helping to stabilise gland temperatures
- Suitable for **mixed service duties** including pumps, valves, and static joints
- Clean, non-hardening construction for consistent long-term sealing

Valves - Operating Limits

Max Operating Pressure	Linear Speed	Min Operating Temperature	pH Range
200 bar	Static Only	-200°C / -328°F	0 - 14

Centrifugal Pumps - Operating Limits

Max Operating Pressure	Linear Speed	pH Range
30 bar	20 m/s	0 - 14

Reciprocating Pumps - Operating Limits

Max Operating Pressure	Linear Speed	Min Operating Temperature	pH Range
100 bar	≤2 m/s	-200°C to +280°C	0 - 14

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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"	0.41	0.904	1	30	VP2.1/8	VP2.1/8.1LB
3/16"	1.16	2.558	1	30	VP2.3/16	VP2.3/16.1LB
1/4"	0.42	0.926	2	8	VP2.1/4	VP2.1/4.2LB
5/16"	0.75	1.654	2	8	VP2.5/16	VP2.5/16.2LB
3/8"	1.16	2.558	2	8	VP2.3/8	VP2.3/8.2LB
7/16"	1.38	3.043	5	8	VP2.7/16	VP2.7/16.5LB
1/2"	1.65	3.638	5	8	VP2.1/2	VP2.1/2.5LB
9/16"	2.25	4.961	5	8	VP2.9/16	VP2.9/16.5LB
5/8"	2.93	6.461	5	8	VP2.5/8	VP2.5/8.5LB
3/4"	4.15	9.151	10	8	VP2.3/4	VP2.3/4.10LB
7/8"	5.44	11.995	10	8	VP2.7/8	VP2.7/8.10LB
1"	7.02	15.479	10	8	VP2.1/0	VP2.1/0.10LB

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 VP2 is a dimensional replacement for the following gland packing ranges:

- AESSEAL® | 790
- Burgmann® | Thermoflon S
- Crane® | C1065
- Chesterton® | 1750
- Drew® | 1400
- John Crane® | 1065 L
- I.M.P.® | 75
- Palmetto® | 1390
- Sepco® | ML 8002
- Texpack® | 4157
- U.S. Seal MFG® | 58
- Utex® | 244
- Utex® | 256
- American Branding® | 8100BIL
- Burgmann® | 6230 S
- Crane® | C1070
- Chesterton® | 1760
- Flexitalic® | 900
- Garlock® | 41606
- Klinger® | 56
- Pillar® | 4527
- Texpack® | 4149
- Teadit® | 2007
- Utex® | 228
- Utex® | 246
- Utex® | 279
- Apollo® | 3200
- Burgmann® | 3435
- Chemstar® | 165LA
- Chesterton® | 1830
- James Walker® | Liongraph
- Garlock® | 41616
- Palmetto® | 1382
- Sepco® | ML 3600
- Texpack® | 4156
- Teadit® | 3078
- Utex® | 243
- Utex® | 249

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