



## Vulcan Seals Type VT5

### Technical Data Sheet



#### Product Description

The **Vulcan Seals Type VC5** is a high-temperature braided packing manufactured from **carbon fibre** with **graphite impregnation** and a controlled high-temperature lubrication system. The carbon structure provides thermal stability, while the graphite film reduces friction and promotes stable heat transfer at the packing–shaft interface.

#### Suitable Industries

The Vulcan Seals Type VC5 is suitable for use in:

- ✔ Boiler feedwater and thermal support lines
- ✔ Steam and condensate auxiliary systems
- ✔ Power generation high-temperature non-abrasive valves
- ✔ Refinery elevated-temperature clean services
- ✔ Chemical plant heated utility lines

#### Chemical Properties

- Base fibre: carbon fibre
- Impregnation: graphite with high-temperature lubricant
- Excellent thermal conductivity and heat dissipation
- Stable in hot aqueous and steam utility environments
- Not recommended for abrasive, slurry or fibre-laden media

#### Why Choose the Vulcan Seals Type VC5?

- Carbon fibre construction provides strong thermal endurance and structural stability
- Graphite lubrication reduces glazing and frictional heat during consolidation
- Good sealing consistency under elevated thermal and pressure cycling
- Designed for boiler house utilities, clean high-temperature rotary duties, and non-abrasive elevated service



#### Valves - Operating Limits

Max Operating Pressure	Linear Speed	Min Operating Temperature	pH Range
100 bar	Static Only	10°C / 50°F	4 - 12



#### Centrifugal Pumps - Operating Limits

Max Operating Pressure	Linear Speed	pH Range
50 bar	12 m/s	4 - 12



#### Reciprocating Pumps - Operating Limits

Max Operating Pressure	Linear Speed	Min Operating Temperature	pH Range
80 bar	≤1 m/s	10°C / 50°F	4 - 12

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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"	0.10	0.221	1	8	VT5.1/8	VT5.1/8.1LB
3/16"	0.28	0.617	1	8	VT5.3/16	VT5.3/16.1LB
1/4"	0.39	0.860	2	8	VT5.1/4	VT5.1/4.2LB
5/16"	0.70	1.544	2	8	VT5.5/16	VT5.5/16.2LB
3/8"	1.07	2.359	2	8	VT5.3/8	VT5.3/8.2LB
7/16"	1.30	2.867	5	8	VT5.7/16	VT5.7/16.5LB
1/2"	1.54	3.396	5	8	VT5.1/2	VT5.1/2.5LB
9/16"	2.05	4.520	5	8	VT5.9/16	VT5.9/16.5LB
5/8"	2.68	5.909	10	8	VT5.5/8	VT5.5/8.5LB
3/4"	3.70	8.159	10	8	VT5.3/4	VT5.3/4.10LB
7/8"	4.84	10.672	10	8	VT5.7/8	VT5.7/8.10LB
1"	6.25	13.781	10	8	VT5.1/0	VT5.1/0.10LB

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 VT5 is a dimensional replacement for the following gland packing ranges:

- Apollo® | 220 F
- James Walker® | 198
- Merkel® | Ramilon
- Robco® | Nestor PT
- Teadit® | 2422
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- Burgmann® | 5846
- James Walker® | Ramiex
- Merkel® | 4586
- Texpack® | 4129
- Teadit® | 34
- Burgmann® | Buraflon
- Latty® | 1779
- Pillar® | 426
- Texpack® | 4158
- Teadit® | 209

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