



Vulcan Seals Type VT8

Technical Data Sheet



Product Description

The **Vulcan Seals Type VT8** is an **expanded PTFE joint sealant cord**, manufactured using high-purity PTFE with a minor acrylic resin binder to enhance cohesion and handling.

The **Vulcan Seals Type VT8** is designed for **static and low-movement sealing applications**, where it conforms under compression to seal irregular surfaces such as valve stems, flanges, covers, manways, and inspection ports.

The material is chemically inert, non-hardening, and resistant to ageing, providing reliable long-term sealing across a wide range of industrial media.

The **Vulcan Seals Type VT8** is supplied as a **continuous, compressible cord**, allowing it to be wrapped or formed in situ without cutting pre-sized rings.

Suitable Industries

The Vulcan Seals Type VT8 is suitable for use in:

- ✓ Chemical processing
- ✓ Water & wastewater
- ✓ Power generation
- ✓ Pulp & paper
- ✓ Utilities
- ✓ General industrial plant maintenance

The Vulcan Seals Type VT8 is not suitable for use in:

- ✗ High-speed rotary shafts
- ✗ Dynamic sealing with continuous motion
- ✗ Liquid or gaseous oxygen service
- ✗ Applications exceeding PTFE thermal limits

Chemical Properties

- Base polymer: PTFE (Polytetrafluoroethylene)
- Binder: Acrylic resin (<10%)
- PTFE content: 90–100%
- Form: Solid, flexible cord
- Colour: White
- Odour: Odourless
- Melting range (PTFE): 327–342 °C
- Solubility: Insoluble in water
- Chemical stability: Excellent
- pH range: 0–14

Why Choose the Vulcan Seals Type VT8?

- Universal expanded PTFE joint sealant for static sealing applications
- Highly compressible and conformable structure
- Designed to resist creep and cold flow under compression
- Excellent chemical resistance across the full pH range (0–14)
- Suitable for irregular, damaged, or non-parallel flange faces
- Non-hardening and non-ageing material
- Clean, inert PTFE-based formulation
- Supplied as continuous cord for easy installation



Valves - Operating Limits

Max Operating Pressure	Linear Speed	Min Operating Temperature	pH Range
205 bar	Static Only	-265°C / -450°F	0 - 14



Centrifugal Pumps - Operating Limits

Max Operating Pressure	Linear Speed	pH Range
N/A	N/A	N/A



Reciprocating Pumps - Operating Limits

Max Operating Pressure	Linear Speed	Min Operating Temperature	pH Range
N/A	N/A	N/A	N/A

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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
3/32"	0.112	0.247	-	15	VT8.3/32	-
5/32"	0.132	0.291	-	7.5	VT8.5/32	-
7/32"	0.145	0.320	-	4.5	VT8.7/32	-
9/32"	0.146	0.322	-	2.8	VT8.9/32	-

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 VT8 is a dimensional replacement for the following gland packing ranges:

- AESSEAL® | 750
- Drew® | Amerflon Stem
- James Walker® | Fluocord
- Palmetto® | 1900
- Texpack® | 4136
- Apollo® | Alljoint
- Flexitalic® | JP 009
- John Crane® | PEP-Cord
- Palmetto® | Palpack
- Chesterton® | Valvelon
- James Walker® | 496
- I.M.P.® | 50
- Robco® | 1175

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