



Vulcan Seals Type VT2

Technical Data Sheet



Product Description

The **Vulcan Seals Type VT2** is a PTFE-impregnated PAN fibre braided packing engineered for clean, low-friction sealing across water, seawater, brine, condensate and general utility services. Its yarn-by-yarn PTFE impregnation delivers smooth start-up, controlled leakage and reduced sleeve wear under continuous centrifugal duty.

Vulcan Seals Type VT2 supports reliable sealing performance up to 250°C and pH 2–12, making it a dependable, cost-effective choice for marine auxiliaries, HVAC water circuits, desalination plants, power utility water systems and industrial service water duties.

Suitable Industries

The Vulcan Seals Type VT2 is intended for aqueous and utility-side duties in:

- ✓ General industrial utilities
- ✓ Marine and seawater systems
- ✓ Desalination plants
- ✓ HVAC / Building services
- ✓ Water treatment and distribution
- ✓ Power and steam support services
- ✓ Food and beverage utilities (non-product contact)

Chemical Properties

- pH Operating Envelope: 2–12
- PTFE Content: ≥40%
- Acid Loss (5% H₂SO₄): <10%
- Ignition Loss at 250°C: ≤10%
- Chemical Compatibility: seawater, brine, treated water, condensate, glycol blends, CIP alkaline detergents and dilute, non-oxidising acids
- Not suitable for: fuels, oils, aromatic hydrocarbons, strong oxidising acids, black liquor, abrasive slurry or pulp stock duties

Why Choose the Vulcan Seals Type VT2?

- **≥40% PTFE loading **for smooth breaking, low friction and shaft protection
- Low friction coefficient (<0.3) minimising wear and reducing energy draw Resistant to a wide pH and temperature range
- pH 2–12 aqueous media envelope suitable for seawater, brine, condensate, CIP alkali solutions and treated plant water
- Thermal stability to 250°C (482°F) supporting chilled to high-temperature water utility duties
- Stable compressibility (15–40%) maintaining gland load with reduced retightening intervals
- Clean, uniform braid ensuring predictable leakage control and dimensional integrity



Valves - Operating Limits

Max Operating Pressure	Linear Speed	Min Operating Temperature	pH Range
200 bar	Static Only	-40°C / -40°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	2 m/s	-40°C / -40°F	2 - 14 test

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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"	3.10	1.41	1	30	VT2.1/8X30MTR	VT2.1/8.1LB
3/16"	6.10	2.77	1	30	VT2.3/16X30MTR	VT2.3/16.1LB
1/4"	2.13	0.97	2	8	VT2.1/4	VT2.1/4.2LB
5/16"	3.84	1.74	2	8	VT2.5/16	VT2.5/16.2LB
3/8"	5.55	2.52	2	8	VT2.3/8	VT2.3/8.2LB
7/16"	8.11	3.68	5	8	VT2.7/16	VT2.7/16.5LB
1/2"	9.00	4.06	5	8	VT2.1/2	VT2.1/2.5LB
9/16"	11.10	5.03	5	8	VT2.9/16	VT2.9/16.5LB
5/8"	14.53	6.59	5	8	VT2.5/8	VT2.5/8.5LB
3/4"	19.20	8.71	10	8	VT2.3/4	VT2.3/4.10LB
7/8"	26.00	11.77	10	8	VT2.7/8	VT2.7/8.10LB
1"	32.80	14.88	10	8	VT2.1/0	VT2.1/0.10LB

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 VT2 is a dimensional replacement for the following gland packing ranges:

- AESSEAL® | 550
- Burgmann® | 6026
- Crane® | 1335
- Chesterton® | 412-W
- Flexitalic® | 803
- Garlock® | 8922
- Palmetto® | 1347
- Sepco® | ML 2225
- Teadit® | 2127
- Universal® | 7803
- Utex® | 238
- American Branding® | 3000T
- Burgmann® | 6335
- Chemstar® | 152
- Chesterton® | Inner-lube
- James Walker® | Fluolion XAP
- Garlock® | 41501
- Pillar® | 6501
- Texpack® | 4165
- Teadit® | 8300
- U.S. Seal MFG® | 302
- Utex® | 251
- Apollo® | 2200
- Burgmann® | Pilotpack
- Chemstar® | 1152
- Drew® | 2500
- Garlock® | 1925
- Latty® | 2790
- Robco® | 5059
- Texpack® | 4166
- Tombo® | 9044
- Utex® | 237

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