



Vulcan Seals Type 678
Grundfos®
Technical Data Sheet



Product Description

The Vulcan Seals Type 678 is supplied with an Allen key and plastic setting shoe to aid in setting the seals at the correct working height during installation. Vulcan Seals Type 678 screw (12 and 16mm) or push-fit (22mm) semi-cartridge seals to replace Grundfos® “H” code seals; installed in CR, CRI, CRIE, and certain other series of vertical multi-stage pumps. The Vulcan Seals Type 678 is a robust bidirectional seal design with a positive drive to the rotary head, and features seal face materials intended to maximise performance in poor lubrication situations frequently associated with hot water vertical circulating pumps.

Why Choose the Vulcan Seals Type 678 Grundfos®?

The Vulcan Seals Type 678 features the wave-spring and energised ‘O’-ring technology of the Vulcan Seals Type 1677M and has superior design characteristics compared to the welded, single-spring original seals.

Pump Ranges

The Grundfos® pump model includes the following pump ranges: "CR", "CRI" and "CRIE" with "HQQ" type seals fitted.

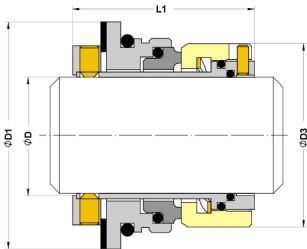
Standard Face Material Combinations

Elastomers	Rotary Face	Stationary Face	Metals	Complete Seal Code
Viton™/FKM	VSS1 Silicon Carbide	VSG1 Silicon Carbide	316 Stainless Steel	.V.RT.
EP	VSS1 Silicon Carbide	VSG1 Silicon Carbide	316 Stainless Steel	.E.RT.
Viton™/FKM	VSS1 Silicon Carbide	VCA1 Carbon	316 Stainless Steel	.V.SA.
EP	VSS1 Silicon Carbide	VCA1 Carbon	316 Stainless Steel	.E.SA.

Dimensional Data

DØ (Metric)	Seal Size Code	D1 (mm)	D3 (mm)	L1 (mm)
12.00	0120	35.50	26.00	47.90
16.00	0160	41.00	31.00	49.90
22.00	0220	60.00	47.00	54.40

Dimensions in mm
*Non-stock guarantee



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** All dimensional and identification information shown is given in good faith and is based on extensive experience gained in business. Performance data is not provided for this product range based on the Vulcan Seals design being a replacement of, or an improvement on, a design that has originally proved suitable for the equipment and service concerned.