



Vulcan Seals Type 1663
GEA® Hilge®
Technical Data Sheet



Product Description

Vulcan Seals produces and stocks multi-spring seals to replace the original OEM wave spring seals, utilised for hygienic applications in GEA® Hilge® centrifugal pumps.

The common centrifugal series includes; Hygiana®, Euro Hygia®, Maxana®, Dura®, Sipla®, Contra® and Durietta®. However, the seal codes are universal and you may identify your seal from the codes below.

Conversion to the direct replacement Vulcan Seals balanced multiple spring design avoids the potential for premature single wave spring failure."

Why Choose the Vulcan Seals Type 1663 GEA® Hilge®?

- The **Vulcan Seals Type 1663 GEA® Hilge®** are hygienic multi-spring 'O'-ring mounted seals with positive drive taken from being clamped by the impeller against the shaft step during pump assembly.
- Available are a range of dimensions to suit variations in the seal chamber dimensions of these pumps, and available with FDA-specified materials according to part code.

Pump Ranges

The GEA® Hilge® pump model includes the following pump ranges: GEA® Hilge® Pumps with hygienic seals fitted.

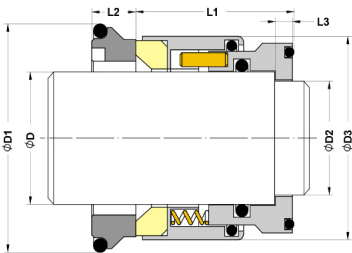
Standard Face Material Combinations

Elastomers	Rotary Face	Stationary Face	Metals	Complete Seal Code
EP	VCD1 Carbon	VSS1 Silicon Carbide	316 Stainless Steel	.E.DR.
Viton™/FKM	VCD1 Carbon	VSS1 Silicon Carbide	316 Stainless Steel	.V.DR.
EP	VSS1 Silicon Carbide	VSS1 Silicon Carbide	316 Stainless Steel	.E.R.
Viton™/FKM	VSS1 Silicon Carbide	VSS1 Silicon Carbide	316 Stainless Steel	.V.R.

Dimensional Data

DØ (Metric)	Seal Size Code	Type Code	D1 (mm)	D2 (mm)	D3 (mm)	L1 (mm)	L2 (mm)	L3 (mm)	OEM Ref.	Elastomer	Rotary Face	Stationary Face	Metals
28.00	0280	1663	48.00	24.00	43.00	35.00	10.50	0.50	BS2-28 O1	EP & Viton™/FKM	VCD1 or VSS1	VSS1	316 SS
28.00	0280	1663A	48.00	24.00	43.00	38.00	10.50	4.00	BS3-28 O1	EP & Viton™/FKM	VCD1 or VSS1	VSS1	316 SS
38.00	0380	1663	57.10	35.00	52.80	35.00	10.50	0.50	BS2-38 O1	EP & Viton™/FKM	VCD1 or VSS1	VSS1	316 SS

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.