



# Vulcan Seals Type 293

## Alfa Laval®

### Technical Data Sheet



#### Product Description

The Vulcan Seals Type 293 Alfa Laval® direct replacement rotary part to replace the OEM 'O'-ring mounted, hydraulically-balanced "Type D" seals fitted to Tri-Clover® brand centrifugal pumps.

In most cases this rotary runs against a polished surface on the pump back-plate. For pumps fitted with OEM "Type DG" complete seals, clamped stationaries with PTFE gaskets are also available to work with the Vulcan Seals Type 293 Alfa Laval® rotary. These are sold under separate part codes to the rotary assemblies.

#### Why Choose the Vulcan Seals Type 293 Alfa Laval®?

The Vulcan Seals Type 293 Alfa Laval® mechanical seal range are direct replacement parts manufactured to Vulcan's high material and production standards.

Available as separate rotary and stationary assemblies to provide supply flexibility dependent on the arrangement of each pump.

#### Pump Ranges

The Alfa Laval® pump model includes the following pump ranges: "C" series centrifugal pump range.

#### Compliance & Certificates



Also available with built materials that adhere to the above compliance standards and certificates. Please enquire about your requirements.

#### Standard Face Material Combinations

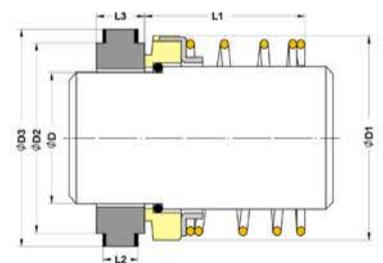
Elastomers	Rotary Face	Stationary Face	Metals	Complete Seal Code
EPDM	VCP1 Carbon	--	304 Stainless Steel	.E.C.SEAL
Viton™/FKM	VCP1 Carbon	--	304 Stainless Steel	.V.C.SEAL
PTFE	--	VSS1 Silicon Carbide	--	.P.S.STAT

#### Dimensional Data

DØ (Imper)	Seal Size Code	D1 (in)	D1 (mm)	D2 (in)	D2 (mm)	D3 (in)	D3 (mm)	L1 (in)	L1 (mm)	L2 (in)	L2 (mm)	L3 (in)	L3 (mm)	OEM Ref.
0.750"	0191	--	--	--	--	1.850	47.00	1.555	39.50	--	--	--	--	C114
1.125"	0286	2.250	57.10	1.868	47.45	2.125	54.00	1.535	39.00	0.815	20.69	0.563	14.30	C216
1.500"	0381	2.750	69.80	2.240	56.90	2.491	36.40	1.319	33.50	0.875	22.25	0.563	14.30	C218, C328

Dimensions in mm and inches

\*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.