



# Vulcan Seals Type 297

## S.P.X.<sup>®</sup> A.P.V.<sup>®</sup>

### Technical Data Sheet



#### Product Description

The **Vulcan Seals Type 297 S.P.X.<sup>®</sup> A.P.V.<sup>®</sup>** is a specific design intended to suit S.P.X.<sup>®</sup> A.P.V.<sup>®</sup> DW<sup>®</sup> rotary lobe pumps featuring 'O'-ring mounted seal faces mounted on a wave spring unit.

The **Vulcan Seals Type 297 S.P.X.<sup>®</sup> A.P.V.<sup>®</sup>** face sets include a Silicon Carbide "short" rotary face and a Carbon or Silicon Carbide "long" stationary with the two 'O'-rings required to seal into the pump-mounted seal unit.

The **Vulcan Seals Type 297 S.P.X.<sup>®</sup> A.P.V.<sup>®</sup>** is intended for non-flushed pumps with single seals fitted and it is also available in a range of material combinations, including fully FDA/EC1935-compliant grade materials.

For pumps with flush systems and double seals please see the Vulcan Seals Type 297D and Vulcan Seals Type 297P datasheets.

#### Why Choose the Vulcan Seals Type 297 S.P.X.<sup>®</sup> A.P.V.<sup>®</sup>?

The **Vulcan Seals Type 297 S.P.X.<sup>®</sup> A.P.V.<sup>®</sup>** is a direct replacement design to suit the original equipment, produced to Vulcan Seals' manufacturing standards.

#### Pump Ranges

The S.P.X.<sup>®</sup> A.P.V.<sup>®</sup> pump model includes the following pump ranges: "DW<sup>®</sup>" rotary lobe pumps without flush system. Each pump requires two identical seals, one for each shaft.

#### Compliance & Certificates



The Vulcan Seals mechanical seal range can be supplied with material combinations designed to meet the compliance standards and certifications listed above. Additional compliance or regulatory requirements can also be considered upon request. Please enquire to discuss your specific application.

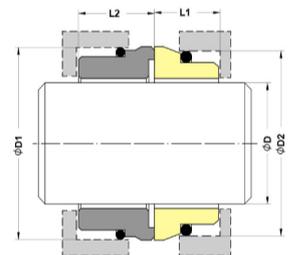
#### Standard Face Material Combinations

Elastomers	Rotary Face	Stationary Face	Metals	Complete Material Code
EP	VSR1 Silicon Carbide	VSR1 Silicon Carbide	-	.E.S.
Viton™/FKM	VSR1 Silicon Carbide	VSR1 Silicon Carbide	-	.V.S.
EP FDA/EC1935 GRADE	VSS1 Silicon Carbide	VCD1 Carbon	-	.E.RD.
Viton™/FKM FDA/EC1935 GRADE	VSS1 Silicon Carbide	VCD1 Carbon	-	.V.RD.
EP FDA/EC1935 GRADE	VSS1 Silicon Carbide	VSS1 Silicon Carbide	-	.E.R.
Viton™/FKM FDA/EC1935 GRADE	VSS1 Silicon Carbide	VSS1 Silicon Carbide	-	.V.R.

#### Dimensional Data

DØ (Metric)	Seal Size Code	D1 (mm)	D2 (mm)	L1 (mm)	L2 (mm)	OEM Ref.
28.00	0280	32.00	40.00	8.50	13.50	DW1
38.00	0380	41.00	50.00	8.50	13.50	DW2
48.00	0480	50.00	59.00	9.00	14.50	DW3
58.00	0580	59.00	68.00	9.00	14.50	DW4
75.00	0750	80.00	95.00	11.50	16.00	DW5

Dimensions in mm  
\*Non-stock guarantee



<sup>®</sup> <sup>™</sup> All product names, brands and trademarks shown are property of their respective owners, are for identification purposes only, and do not imply affiliation nor endorsement.  
\*\* 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.