

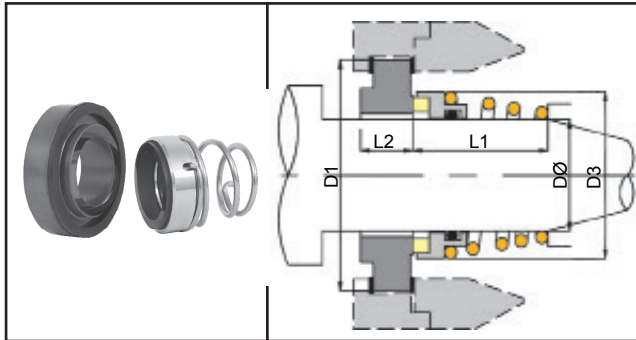


TYPE 16 SERIES FOR A.P.V.® WORLD® PUMPS

The A.P.V. W® and W+® pump series have been introduced to replace the A.P.V. Puma® pumps. Vulcan manufacture and stock a comprehensive range of mechanical seals designed to suit these popular pumps, in single and double seal configurations.

TYPE 16 SINGLE SEALS TO SUIT APV® W PUMPS

NE D S 304 FDA

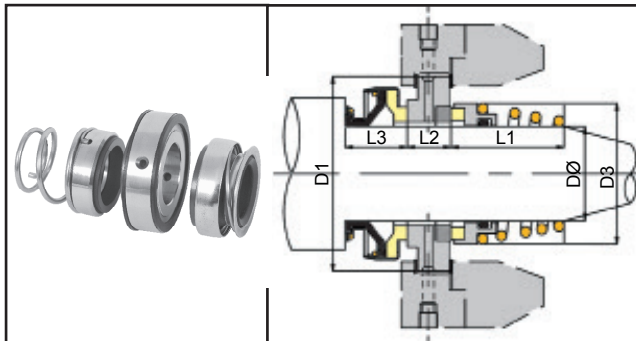


Vulcan manufacture 25mm and 35mm seals to suit A.P.V. World® series pumps, with standard single seals. For pumps with flushed seal chambers and double seals, please see the Type 16 DOUB below.

SHAFT SIZE DØ	SIZE CODE	D1	D3	L1	L2
25.00	0250	52.00	38.20	25.40	16.00
35.00	0350	62.50	49.50	33.30	16.00

TYPE 16.DOUB DOUBLE SEALS TO SUIT APV® W PUMPS

E Y Z 304 FDA

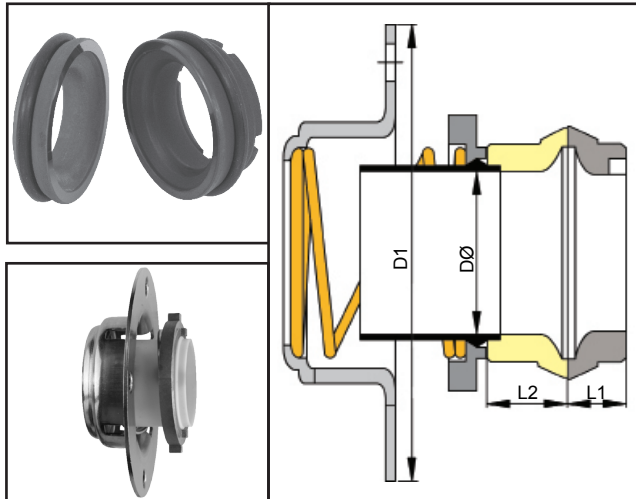


Vulcan manufacture 25mm and 35mm double seals to suit A.P.V. World® series pumps, with flushed seal chambers and double seals installed. You can contact us with the O.E.M. details for cross-reference and identification, should you require.

SHAFT SIZE DØ	SIZE CODE	D1	D3	L1	L2	L3
25.00	0250	52.00	38.20	25.40	17.00	13.00
35.00	0350	62.50	49.50	33.30	20.00	16.00

TYPE 16.PLUS TO SUIT APV® W+ PUMPS

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Vulcan manufacture 25mm and 35mm face sets and face-holding kits to suit A.P.V. W+® series pumps.

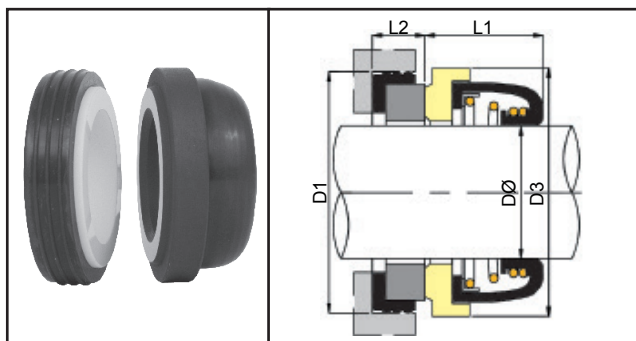
The Type 16.PLUS face sets include a Silicon Carbide “short” rotary face, a Carbon or Silicon Carbide “long” stationary (with four drive slots), two ‘O’-Rings and one drive pin, to drive the rotary face.

The static coil unit, with P.T.F.E. sleeve, is available as a separate part. Vulcan Type 16.PLUS.KIT, in both 25mm and 35mm sizes, is also available in FDA grade materials as standard.

SHAFT SIZE DØ	SIZE CODE	D1	L1	L2
25.00	0250	84.00	11.50	17.50
35.00	0350	88.00	11.50	17.50

TYPE 66 TO SUIT APV® AGITATORS

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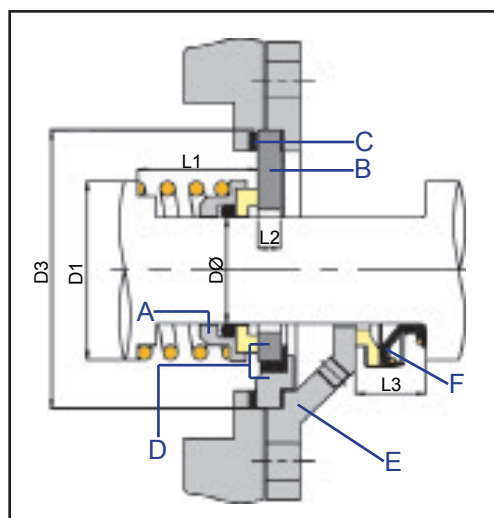
Vulcan manufacture a 1.000” Type 66 rubber-encased seal to suit A.P.V.® agitators, available as rotary part only, or as a complete seal with a Type 20 stationary. For further sizes, please contact us with your requirements. Rotary part only uses code 0254.66.E.C.SEAL for E.P. or N.C.SEAL for Nitrile.

SHAFT SIZE DØ	SIZE CODE	D1	D3	L1	L2
1.000	0254	47.63	48.50	15.85	11.99



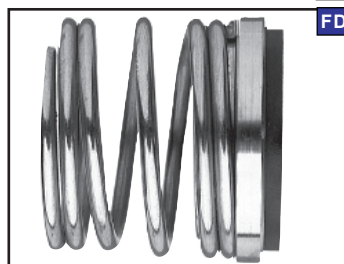
TYPE 26 SERIES FOR A.P.V.® PUMA® PUMPS

Vulcan produce the entire range of seals and associated components commonly found on the 1.000" and 1.500" shaft A.P.V.® Puma® pumps, in single or double seal configurations.

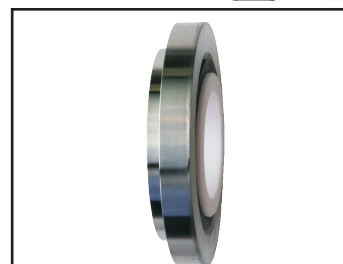


SHAFT SIZE DØ	SIZE CODE	D1	D3	L1	L2	L3
1.000	0254	41.20	68.20	25.40	7.80	14.00
1.500	0381	55.70	80.10	33.30	9.00	17.00

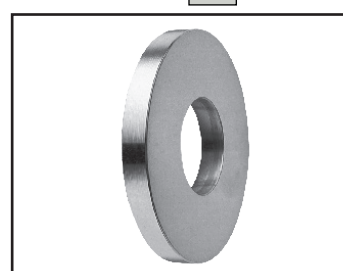
XXXX.26.N.C.SEAL **NEV** **C** 304 **FDA**



XXXX.26.N.C.SEAT **NEV** **C** 304



XXXX.26.S.S.D 304



VULCAN STOCK CODES.

Where XXXX is stated in the codes below, utilise 0254 for 1.000" or 0381 for 1.500" shaft size as required. If E.P. or Viton® is required, replace the N with an E or V respectively.

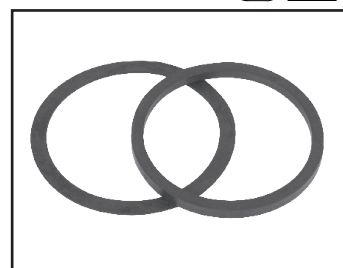
INTERNAL SEAL = A

- XXXX.26.N.C.SEAL Type 26 'O'-Ring mounted rotary with inserted Carbon face.
- XXXX.26.N.S.SEAL Type 26 'O'-Ring mounted rotary with inserted Silicon Carbide face.
- XXXX.26.N.H.SEAL Type 26 'O'-Ring mounted rotary with inserted Tungsten Carbide face.

SEAT ARRANGEMENT ONE = B and C

- XXXX.26.S.S. Type 26 Monolithic Stainless Steel stationary plate, lapped one side.
- XXXX.26.S.S.D. Type 26 Monolithic Stainless Steel stationary plate, lapped both sides.
- XXXX.26.C.C.D. Type 26 Monolithic Ceramic stationary plate, lapped both sides.
- XXXX.26.N.C.GASK Gasket set, with flat and L-shaped gasket, for above plate seat.

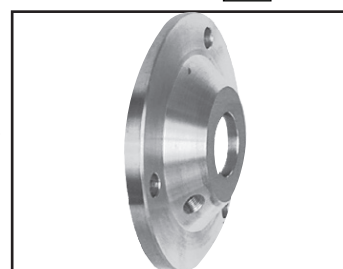
XXXX.26.N.C.GASK **NE** **FDA**



SEAT ARRANGEMENT TWO = D and C

- XXXX.26.N.C.SEAT Type 26 boot mounted Ceramic seat, inserted in a stainless steel adaptor.
- XXXX.26.N.S.SEAT Type 26 boot mounted Silicon Carbide seat, inserted in a stainless adaptor.
- XXXX.26.N.C.GASK Gasket set, with a flat and L-shaped gasket, for above plate seat.

XXXX.26.S.S.PLAT 304



ADDITIONAL DOUBLE SEAL COMPONENTS, FOR WATER JACKETED PUMPS, WITH EXTERNAL SEAL = E and F

- XXXX.26.S.S.PLAT Type 26 Stainless Steel backing plate with flush connection holes.
- XXXX.18.N.C.SEAL Type 18 inboard rotary, with Nitrile bellows and Carbon face.

ANCILLARY INFORMATION.

All parts are fitted with Nitrile elastomers as standard. If E.P. or Viton® are required, please specify this, by replacing 'N' in the code with 'E' or 'V'.
A 'Y' Pre-fix to the code, denotes F.D.A. / E.C. Regulation compliant.

Vulcan also manufacture the following square-section replacement gaskets to suit the body of the APV Puma® pump;

- P.7" BODYSEAL Square section Nitrile gasket, with 7.0" I.D.
- P.9" BODYSEAL Square section Nitrile gasket, with 9.0" I.D.
- P.11" BODYSEAL Square section Nitrile gasket, with 11.0" I.D.

XXXX.18.N.C.SEAL **NEV** **C** 304





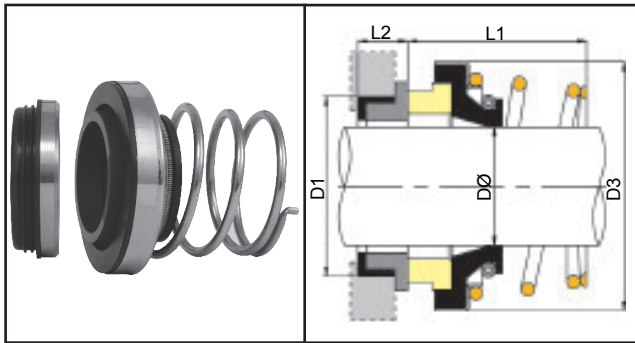
TYPE 29 SERIES FOR A.P.V.® PUMPS

NE Q S 304 FDA

TYPE 29 TO SUIT ZM* SERIES PUMPS

Vulcan manufacture the Type 29 to suit former "Pasilac Rosista" brand ZM* series pumps.

The Type 29 design features the enhanced sealing benefits of a boot mounted seal, to the same dimensions as the O.E.M. metal to metal design.

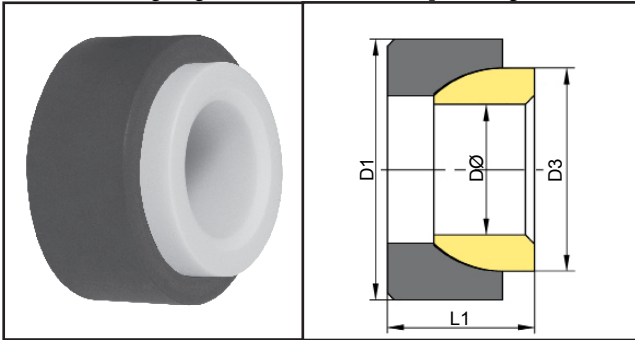


SHAFT SIZE DØ	SIZE CODE	D1	D3	L1	L2	O.E.M. PUMP MODEL
20.00	0200	30.00	40.60	30.00	9.80	ZMA, ZMB, ZMH1 & 2, ZMK1 & 2
25.00	0250	35.00	45.40	31.00	9.80	ZMS3, ZMS4
30.00	0300	42.00	57.00	40.00	13.00	ZMH4, ZMK3, ZMD

X C N/A

TYPE 292 TO SUIT A.P.V.* AGITATORS

Vulcan manufacture our Type 292 bearing set to suit former "Osborne Craig" brand agitators. Type 292 features a ceramic self-aligning face set in a Carbon cup bearing.

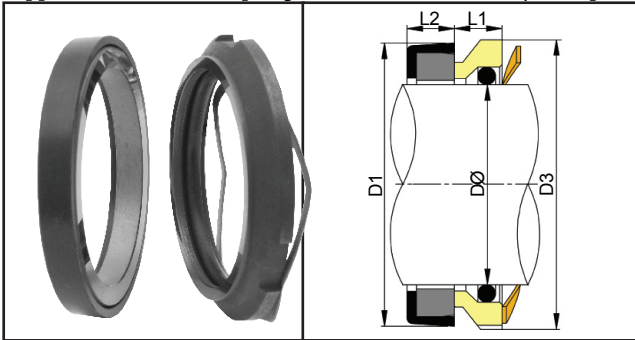


SHAFT SIZE DØ	SIZE CODE	D1	D3	L1
1.125	0286	57.00	44.44	32.50

E L S 304

TYPE 294 TO SUIT A.P.V.* CLEANLINE* PUMPS

Vulcan manufacture our Type 294 face kits to suit APV* Cleanline* series pumps. The Vulcan parts are designed to directly replace the wear parts of the O.E.M. seals, it is rarely necessary to replace the seal sleeve and housing as these are non-wearing parts. The kits are supplied with the wave-spring as standard. If the size you require is not shown here, please contact us

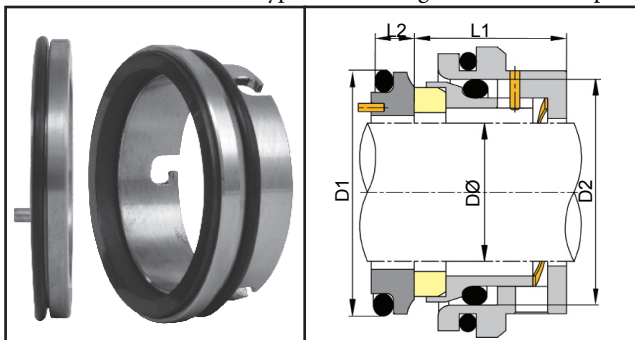


SHAFT SIZE DØ	SIZE CODE	D1	D3	L1	L2	O.E.M. PUMP MODEL
1.125	0286	41.20	42.00	7.70	7.70	CL 0, CL 1
1.875	0476	63.50	66.00	9.00	8.30	CL 2
2.125*	0539	73.03	74.00	12.30	9.30	CL 3

NE Q 304 FDA

TYPE 295 TO SUIT ZM* SERIES PUMPS

Vulcan manufacture our Type 295 'O'-Ring mounted wave-spring seal to suit former "Pasilac Rosista" brand ZM* series pumps.



SHAFT SIZE DØ	SIZE CODE	D1	D2	L1	L2	O.E.M. PUMP MODEL
1.875	0480	63.50	63.50	23.00	7.90	ZMS 5
2.125	0540	73.00	73.00	26.40	7.90	ZMS 6

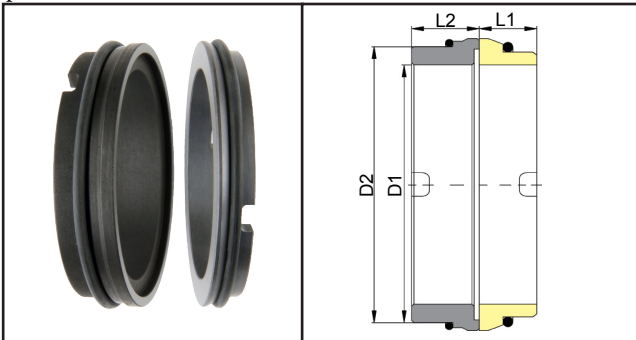
Note: Due to the clearance between shaft and seal faces, Vulcan's size code may not reflect the actual shaft sizes.



TYPE 29 SERIES FOR A.P.V.® PUMPS

TYPE 297 TO SUIT A.P.V.® DW® LOBE ROTOR PUMPS 316

Vulcan manufacture replacement seal face kits, complete with 'O'-Rings, to suit A.P.V.® DW® series lobe rotor pumps. Available with Silicon Carbide rotary face (short face) and Silicon Carbide stationary face (long face). For further sizes or for double seal arrangements, please contact us.

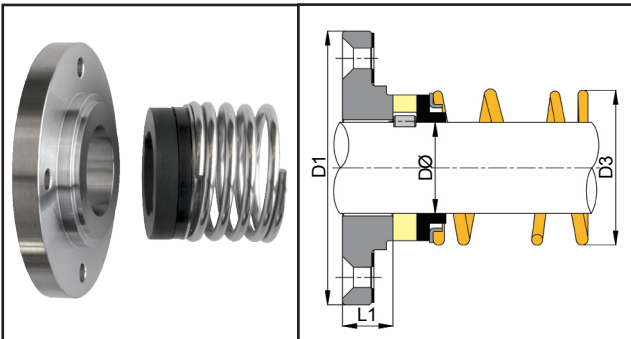


NOMINAL SHAFT SIZE	SIZE CODE	D1	D2	L1	L2	O.E.M. PUMP MODEL
28.00	0280	32.00	40.00	8.50	13.50	DW 1
38.00	0380	41.00	50.00	8.50	13.50	DW 2
48.00	0480	50.00	59.00	9.00	14.50	DW 3
58.00	0580	59.00	68.00	9.00	14.50	DW 4

Note: Due to the clearance between shaft and seal faces, Vulcan's size code may not reflect the actual shaft sizes.

TYPE 272 TO SUIT A.P.V.® FORMER D.D.M.M.® PUMPS 316

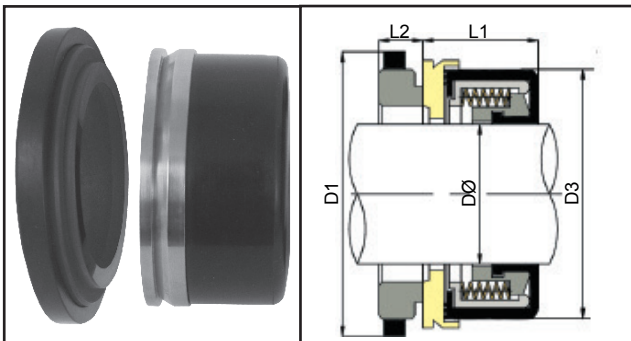
Vulcan manufacture direct replacement seals for former D.D.M.M. Kolding® or Pasilac® centrifugal pumps, commonly utilised in dairies.



SHAFT SIZE DØ	SIZE CODE	D1	D3	L1
20.00	0200	75.00	38.00	14.00
25.00	0250	75.00	40.00	14.00

TYPE 1644 TO SUIT COMMON POSITIVE DISPLACEMENT PUMPS 316

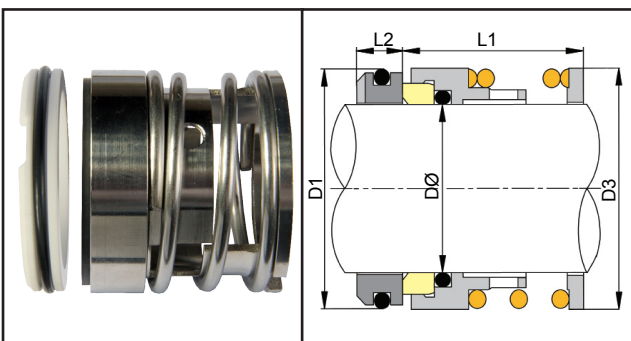
Vulcan manufacture a 1.500" Type 1644 rubber-encased multi-spring seal, for use in positive displacement pumps, frequently found in food processing.



SHAFT SIZE DØ	SIZE CODE	D1	D3	L1	L2
1.500	0381	75.70	65.00	33.33	14.00

VULCAN® TYPE 962 TO SUIT WILD® INDAG® MIXER PUMPS

Vulcan manufacture direct replacement seals for Wild® Indag® in-line mixer pumps, commonly utilised in dairy, especially yoghurt, production. The seal size code 0270 has the stationary 'O'-Ring mounted into the housing with a push fit block stationary ring, the larger size seals have more conventional stationaries with a central 'O'-Ring groove. Type 962 are supplied in FDA compliant materials as standard.



SHAFT SIZE DØ	SIZE CODE	D1	D3	L1	L2
1.187	0270	41.20	39.00	25.40	11.30
1.500	0381	49.21	49.00	36.50	8.00
1.875	0476	60.30	60.00	38.10	7.70