



DIRECT REPLACEMENT SEALS









Vulcan Direct Replacement Seals



Introduction

In addition to our standard range of stock seal types, Vulcan also manufacture and stock many thousands of individual seal designs for specific pumps and applications.

We are leading providers of seals for O.E.M. Equipment due to the following principal advantages;

-  Ability to design and manufacture, almost any, seal to customer requirements.
-  In-house production of practically all materials, components and the tools/moulds.
-  Vertically integrated, in-house design, production and quality control, allows small runs and fast turn-round.
-  A Can-Do Philosophy linked to a commercial readiness to produce specials.
-  Agreements to produce a specific design/detail, that are not made available for sale to anybody else.
-  The best Range, Quality, Service and Price available from any one manufacturer.

Vulcan Direct Replacement Seals



VULCAN TYPE 89 SEALS TO SUIT VIKING® PUMPS

Vulcan produce and stock a range of seals to suit several Viking® pumps, including the Positive Displacement and Rotary Lobe pumps. The Vulcan Type 89 is a specific design to replace the original seals found in the popular Viking® 4225 pump range, and has the double-pinned seat required for the housings on this pump type. Seals are available from stock with inserted silicon carbide faces on both the rotary and stationary. Fitted with Viton® 'O'-Rings. Other 'O'-Ring and face materials are available, if specified at time of order.

Metric Shaft Size D	Size Code	Rotary O.D.	Seat O.D.	Pin P.C.D	Seat W/L
1.125	0286	47.20	50.30	34.87	9.4
1.437	0365	56.50	58.00	43.73	9.4



Vulcan Codes

Where XXXX is stated in the code, replace with appropriate shaft size code.

Available with Viton® 'O'-Rings as standard, if E.P. or Nitrile is required, Replace the V character in the code with E or N.

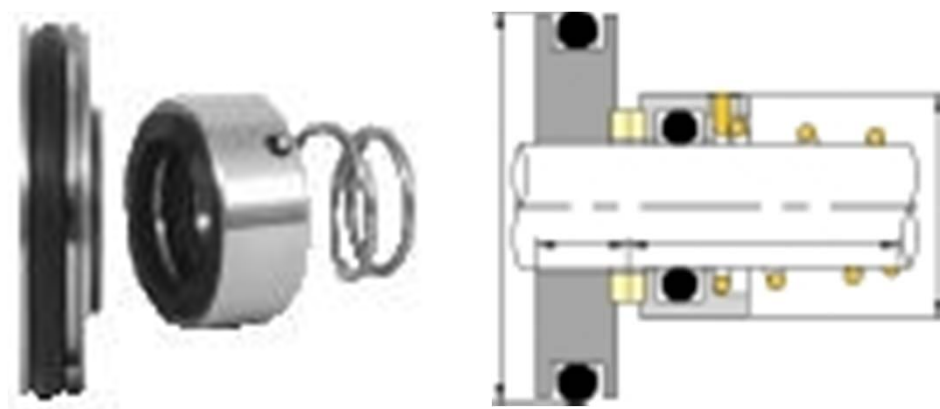
- XXXX.89.V.S.** Type 89 complete seal, with inserted silicon carbide rotary face vs. silicon carbide inserted stationary face, Viton® 'O'-Rings.
- XXXX.89.V.H.** Type 89 complete seal, with inserted tungsten carbide rotary face vs. tungsten carbide inserted stationary face, Viton® 'O'-Rings.

VULCAN TYPE 89



VULCAN TYPE 8W TO SUIT ALLWEILER® SPF10 AND SPF20 PUMPS.

Vulcan produce and stock seals to suit the Allweiler® SPF10 and SPF20 pumps. Seals have tapered right-hand springs with inserted carbon or tungsten carbide faces vs. inserted silicon or tungsten carbide stationaries. Viton® 'O'-Rings are supplied as standard, if you require another elastomer please specify at time of order.



Vulcan Codes

If E.P. or Nitrile is required, replace the V character in the code with an E or N.

Where xxxx appears in the code, please replace with 0150 for SPF10, and 0200 for SPF20 pumps.

xxxx.8W.V.D. Type 8W, with carbon faced rotary and inserted silicon seat

xxxx.8W.V.H. Type 8W, with tungsten carbide faces to rotary and seat.

VULCAN TYPE 8W



VULCAN TYPE 95 AND 8X TO SUIT HAMWORTHY® PUMPS.

Vulcan manufacture a complete range of standard and special Type 95 and Type 97 seals to suit Hamworthy® pumps; please contact us with the pump or seal part number. Vulcan also produce a special seal to suit the Hamworthy® JOB 22 pump. Seals have tapered right-hand springs, with inserted carbon faces vs. monolithic silicon carbide, gasket mounted, seat. Viton® 'O'-Rings and P.T.F.E. gasket are supplied as standard, if you require another elastomer please specify at time of order.



Vulcan Codes

If E.P. or nitrile is required, replace the V character in the code with an E or N.

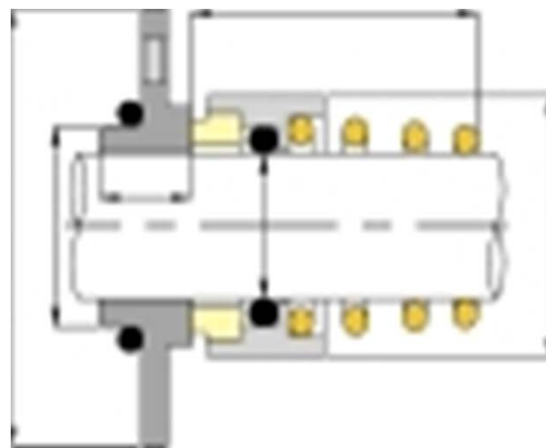
0220.8X.V.D. Type 8X, with inserted carbon faced rotary, and monolithic silicon seat.

VULCAN TYPE 95 & 8X



VULCAN TYPE 8Y TO SUIT ANEMA® PUMPS.

Vulcan produce and stock seals to suit Anema® pumps. Available in 30mm and 35mm sizes, seals have tapered right-hand springs with inserted carbon faces vs. monolithic stainless steel plate seats. Nitrile 'O'-Rings are supplied as standard, if you require another elastomer please specify at time of order.



Vulcan Codes

If E.P. or Viton® is required, replace the N character in the code with an E or V. Where xxxx appears in the code, please replace with 0300 or 0350 for 30 or 35mm shaft size.

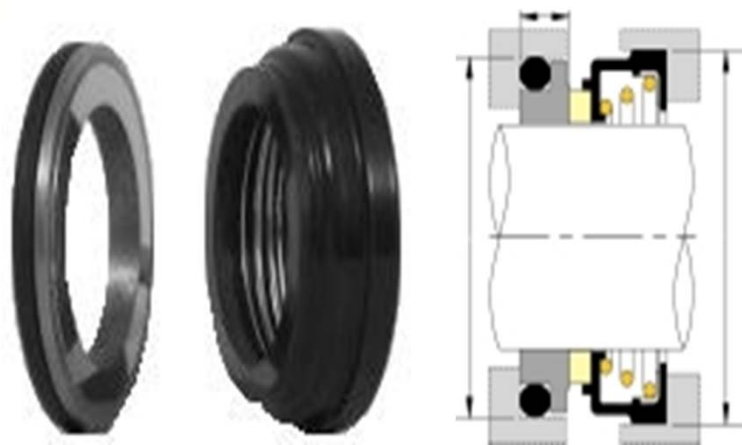
xxxx.8Y.N.Q. Type 8Y, with inserted carbon faced rotary and stainless steel seat.

VULCAN TYPE 8Y



VULCAN TYPE 28 SEALS TO SUIT HAIGH® MACERATORS.

Vulcan produce and stock 1.1/4" rotaries, and 1.3/4" complete seals, to suit Haigh® macerators. Rotaries have carbon faces with Nitrile elastomers, complete seals have a Ni-Resist steel seat with Nitrile 'O'-Ring.



Vulcan Codes

- 0317.28.N.C.SEAL** 1.1/4" Rotary seal only, with carbon face and Nitrile rubber bellows.
- 0444.28.N.C.SEAL** 1.3/4" Rotary seal only, with carbon face and Nitrile rubber bellows.
- 0444.28.N.F.1 1.3/4"** Complete seal, with carbon face rotary Vs. Ni-Resist seat.

VULCAN TYPE 281 SEALS

Vulcan also offer a complete 53mm shaft seal to suit Imperial Machine Company® waste-disposal units, model numbers 1204 and 1604. Seals have stainless steel rotary faces vs. carbon seats, with Viton® elastomers. Please contact us for details.



VULCAN TYPE 28/281



VULCAN TYPE 121 TO SUIT SIHI® PUMPS.

Vulcan produce and stock a modified 38mm Type 12 seal to suit the reduced housing size found on Sihi® pumps. Available from stock in the usual face and elastomer combinations for Type 12.



Vulcan Codes

If E.P. or Viton® is required, replace the N character in the code with an E or V.

0380.121.L.N.P. **38mm Type 121, left-hand coil with stainless rotary face, carbon seat.**

0380.121.R.N.P. **38mm Type 121, right-hand coil with stainless rotary face, carbon seat.**

VULCAN TYPE 121



VULCAN TYPE 13 SERIES TO SUIT LOWARA® PUMPS

Vulcan also produce and stock Type 131 seals to suit Lowara® CEA/A, BG/A, CO/A and HM/A pumps fitted with the new SM motor. They are modified Type 13 tapered right-hand spring seals, with Silicon or Tungsten Carbide faces vs. Silicon or Tungsten Carbide stationaries supplied with the usual choice of 'O'-Rings, please specify at time of order. Other face material combinations available to order. Practically all common Lowara® pumps can be fitted with a direct replacement Vulcan Type 13/13DIN seal or similar. Please contact us with the pump model number or sample seal.



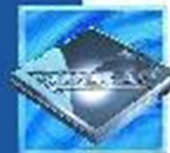
Vulcan Codes

If E.P. or Viton® is required, replace the N character in the code with an E or V.

0380.121.L.N.P. 38mm Type 121, left-hand coil with stainless rotary face, carbon seat

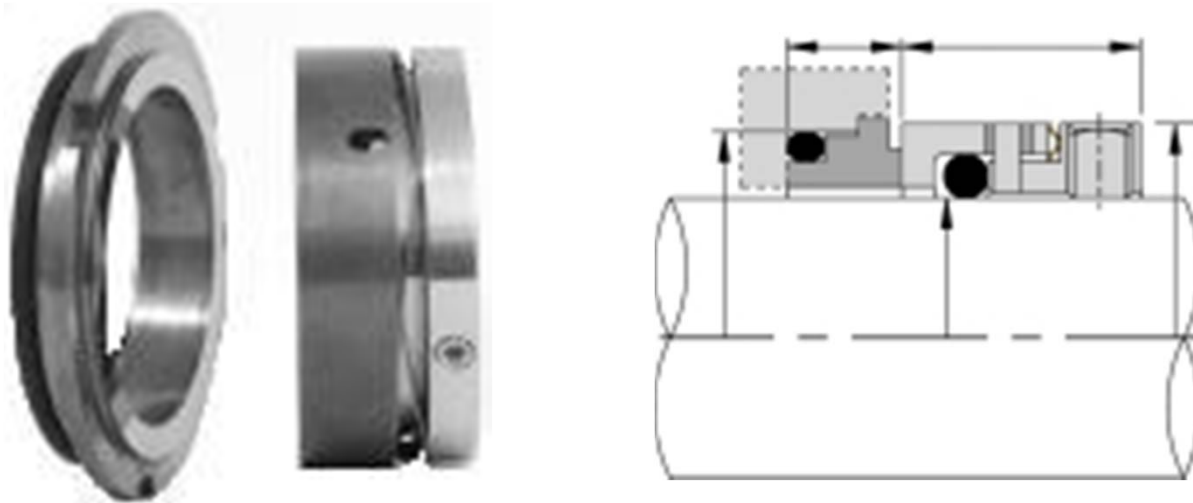
0380.121.R.N.P. 38mm Type 121, right-hand coil with stainless rotary face, carbon seat.

VULCAN TYPE 13



TYPE 1688W

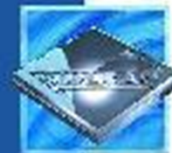
Vulcan manufacture seals to suit SR® Series Pumps from SSP®. Vulcan Type 1688W seal and seat assemblies are designed to fit the most popular rotary lobe pumps, without any modification. The monolithic Tungsten Carbide or Stainless Steel seal head avoids face spinning problems, associated with competitor designs in common lobe pump duties.



Type 1688W Superior Design

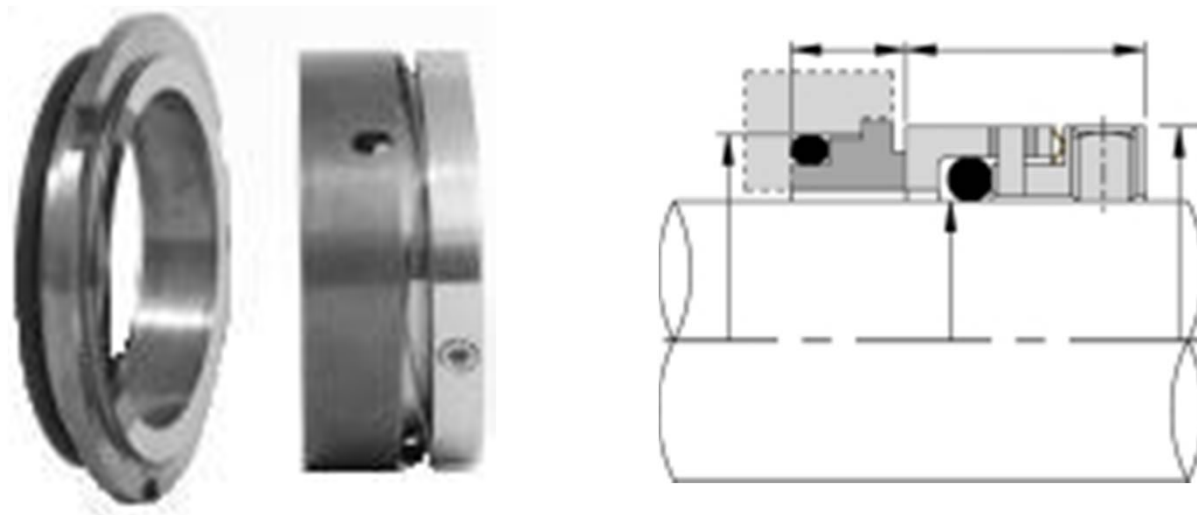
Types 1688W are supplied with monolithic rotary heads, in both standard and hard face alternatives, to improve the seal operating performance in viscous fluids. This is achieved by eliminating the possibility of spinning and damage common to inserted face designs. Competitors inserted T.C/Sic seal face rings are prone to spinning, particularly in the viscous or coagulating fluids, which are common to rotary lobe pump applications. Common, popular sizes of Type 1688W seals are fitted with our special, split Sinusoidal Wave-Springs. These split wave-springs offer a more consistent and accurate spring rate than traditional wave-springs. The Sinusoidal waves offer a larger and more even contact and the split over-lap minimises the working stresses which frequently result in fracture, buckling or hang-up with a stamped, non-split, wave-spring.

VULCAN TYPE 1688W



TYPE 1688Y

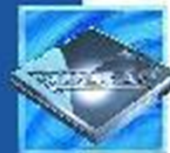
Vulcan seals to suit Johnson® Positive Displacement Pumps Vulcan Type 1688Y seal and seat suit Johnson® positive displacement pumps, in all standard shaft sizes. Again the monolithic seal head provides seal capability, performance and increased life benefits.



Type 1688Y Superior Design

Types 1688Y are supplied with monolithic rotary heads, in both standard and hard face alternatives, to improve the seal operating performance in viscous fluids. This is achieved by eliminating the possibility of spinning and damage common to inserted face designs. Competitors inserted T.C/Sic seal face rings are prone to spinning, particularly in the viscous or coagulating fluids, which are common to rotary lobe pump applications. Common, popular sizes of Type 1688W seals are fitted with our special, split Sinusoidal Wave-Springs. These split wave-springs offer a more consistent and accurate spring rate than traditional wave-springs. The Sinusoidal waves offer a larger and more even contact and the split over-lap minimises the working stresses which frequently result in fracture, buckling or hang-up with a stamped, non-split, wave-spring.

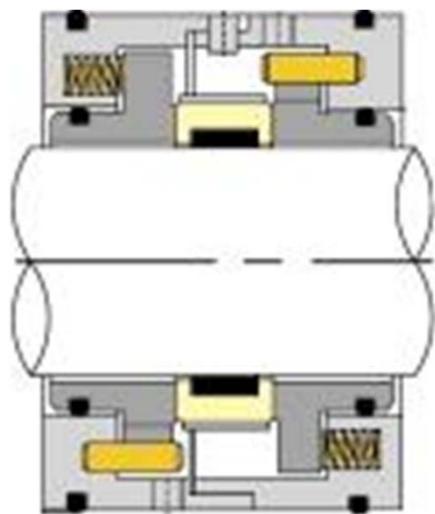
VULCAN TYPE 1688Y



DIRECT REPLACEMENT SEALS

VULCAN SEALS TO SUIT E.M.U.® PUMPS AND MIXERS.

Vulcan offer a range of seals to suit both EMU® Pump and Mixers applications, including the enclosed block seals. Available in either repair kit form, or as a complete mechanical seal assembly, fitted within the stainless steel outer collet. The Vulcan Type 1640 is a direct replacement for the E.B.S. Seal fitted to the most common EMU® Pumps. Repair kits comprise of all wear parts being; two stationaries with 'O'-Rings, central rotary with elastomer diaphragm, anti-rotation pins and springs for stationaries and retaining pins for the collets.

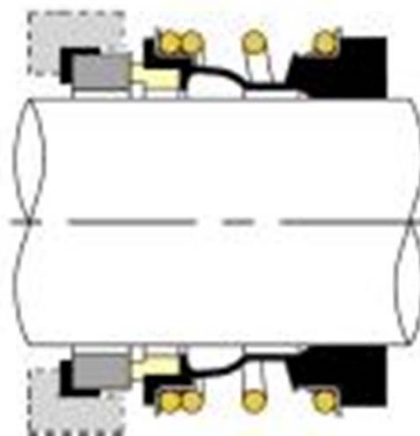


VULCAN TYPE 1640



VULCAN TYPE 192K SEALS TO SUIT KSB® PUMPS

Vulcan produce and stock a range of elastomer bellows seals to suit the most common types of standard KSB® pumps. Available from stock with carbon or silicon carbide rotary faces with silicon carbide seats, in the three standard elastomers.



Vulcan Codes

Where XXXX is stated in the code, add the appropriate size code. If E.P. or Viton® is required, replace the N character in the code with an E or V. If carbon vs. silicon carbide faces are required, replace the S character in the code with a D.

XXXX.192K.N.S.

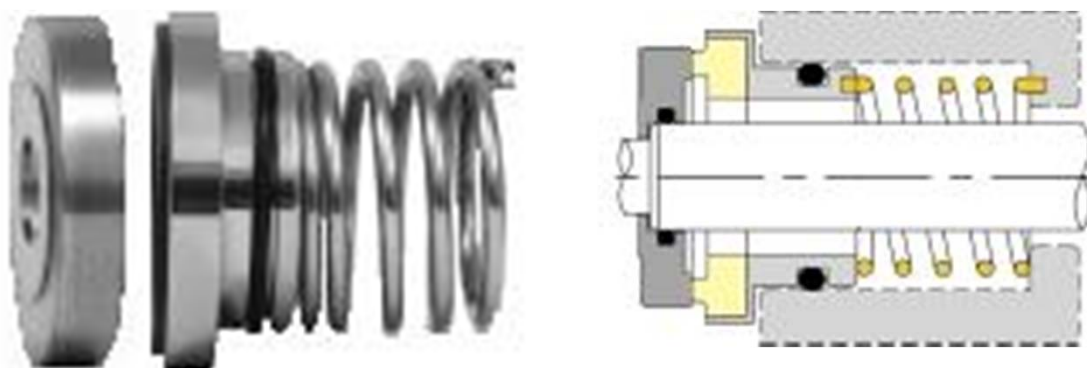
Complete seal, with silicon carbide rotary face vs silicon carbide boot seat.

VULCAN TYPE 192K



VULCAN TYPE 94 SEALS TO SUIT TUCHENHAGEN® PUMPS

Vulcan produce and stock a complete range of balanced seals to suit the Tuchenhausen® A and Z series pumps, seal types F1 to F5. Available with inserted carbon face seal heads, and inserted silicon carbide, or chrome dioxide coated stainless steel rotary counterfaces. E.P. 'O'-Rings are fitted as standard. If Nitrile or Viton® is required, please specify this at time of order.



Vulcan Codes

NB:- Shaft size is measured from the minimum ID of the rotary counterface. If Nitrile or Viton® is required, replace the E character in the code with an N or V. Where xxxx is stated in the code, add the relevant size code according to the dimension table.

- | | |
|--------------|---|
| xxxx.94.E.D. | Type 94 seal, with carbon faced head, and inserted silicon carbide counterface. |
| xxxx.94.E.O. | Type 94 seal, with carbon faced head, and chrome dioxide coated counterface. |

VULCAN TYPE 94



DIRECT REPLACEMENT SEALS

VULCAN MECHANICAL SEALS TO SUIT REFRIGERATION OEM APPLICATIONS

Vulcan have extensive sealing experience within the refrigeration industry, and have developed a comprehensive range of seals, fitted with the specific elastomers required to suit the exacting, cryogenic duties and refrigerants commonly found. As there are a wide range of compressor models, and generally each compressor has model specific seal arrangements, Vulcan have developed many seal designs to suit these compressor applications.

Furthermore these seals can be fitted without amendment to the existing housings. Our exact designs, excellent materials, wide stock range and the ability to manufacture to any industry design or requirement, complement the Vulcan Refrigeration Seal range.

Vulcan Direct Replacement Seals



DIRECT REPLACEMENT SEALS

VULCAN MECHANICAL SEALS TO SUIT REFRIGERATION OEM APPLICATIONS



**Various Vulcan
Seals Offered For
Compressors**



Vulcan Direct Replacement Seals