Vulcan Direct Replacement Seals For Food, Beverage And Dairy Industries
VULCAN TYPE 50 SEALS TO SUIT INOXPA PROLAC® PUMPS

Vulcan offer a range of seals to suit both single and double seal arrangements for Inoxpa Prolac® Pumps. Both single and double types of seal are of a unique design to directly replace the original seals, without any modifications to these pumps.

A unique design of multi-spring seal, where the sprung component behaves as the stationary. Suits all Inoxpa Prolac® applications where the single, uncooled mechanical seal is required. This seal is also utilised as the internal seal in double, cooled seal arrangements.

Vulcan Codes

All Type 50 seals are supplied as standard with Viton® ‘O’-rings, if other materials are required please advise at the time of order. Where xxxx is stated in the code, add the appropriate shaft size code. If EP is required, replace the V in the code with an E.

- xxxx.50.V.P. Type 50, with stainless steel rotary and inserted Carbon faced multi-spring stationary.
- xxxx.50.V.S. Type 50, with monolithic Silicon Carbide rotary and inserted Silicon Carbide multi-spring faced stationary.
A unique design of multi-spring seal, where the sprung component behaves as the stationary. Suits all Inoxpa Prolac® applications where the single, uncooled mechanical seal is required. This seal is also utilised as the internal seal in double, cooled seal arrangements.
VULCAN TYPE 9x SEALS TO SUIT VARIOUS ALFA LAVAL® PUMPS. Vulcan manufacture and stock a complete range to suit CMx, EMx, FMx, and GMx series pumps, as well as MR and LKH series pumps. Seals are available from stock with carbon or silicon carbide rotary heads vs. stainless steel or inserted silicon carbide faced left-hand threaded seats. E.P. ‘O’-Rings are fitted as standard, if another elastomer is required please advise at time of order.

Vulcan Codes

If Nitrile or Viton® is required, replace the E character in the code with an N or V. Where yyyy is stated in code, insert relevant shaft size, where xx is stated in code, insert relevant seal type.

- yyyy.xx.E.Q. Complete seals, with carbon rotary head and stainless steel seat.
- yyyy.xx.E.D. Complete seals, with carbon rotary head and inserted silicon carbide seat.
- yyyy.xx.E.S. Complete seals, with silicon carbide head and inserted silicon carbide seat.

0320.92D.E.YC. Complete double seals, carbon vs. inserted silicon carbide seat inboard and outboard.

- yyyy.xx.E.C.SEAL Rotary unit only, with carbon head.
- yyyy.xx.E.S.SEAL Rotary unit only, with silicon carbide head.
- yyyy.xx.E.Q.STAT Threaded seat unit, in solid stainless steel.
- yyyy.xx.E.S.STAT Threaded seat unit, in stainless steel with inserted silicon carbide face.

Vulcan also produce seals to suit other Alfa Laval® MR series pumps, models MR260A to MR300A, as well seals to suit Alfa Laval® Tri-Clover® pumps and face kits for LKH multi-stage pump models. Please ask for details.
VULCAN TYPE 9x SEALS TO SUIT VARIOUS ALFA LAVAL® PUMPS.

Type 91 22mm complete seal, designed to suit pump models CM1A, CM1B, CM1C, CM1D, EM1C and EM1D.

Type 91B 22mm complete seal, designed to suit pump models FM0, FM0S, FM1A, FM1AE, FM2A, FM3A and FM4A.

Type 93 22mm complete seal, designed to suit pump models MR166A, MR166B and MR166E.

Type 93B 22mm complete seal, designed to suit pump model ME155AE, GM1, GM1A, GM2 and GM2A.

Type 92 32mm complete seal, designed to suit pump models LKH5 through to LKH60 with single or flushed seals fitted. Type 92D 32mm complete double seal also available. Type 92B 32mm drive bases for single or flushed seals available. Face kit available for LKH 112-114 series multi-stage pumps.
VULCAN SEALS TO SUIT ALFA LAVAL® EQUIPMENT

Vulcan manufacture seals to suit the Alfa Laval® ALC, ALP and other Alfa Laval® pump and equipment ranges.

Type 19C

Vulcan produce a special Type 19 seal to suit Alfa Laval ALC® series pumps, motor sizes from 1.5kW to 22kW. Available from stock with silicon carbide vs. carbon seat as standard, in all common elastomers.
VULCAN SEAL REPLACEMENT SEALS

VULCAN SEALS TO SUIT ALFA LAVAL CONITHERM® DRYER SEAL SYSTEM

Direct Replacement Seals

All components are supplied as standard with Nitrile ‘O’-Rings, if other materials are required please advise at time of order.

A SHELLEND 2.000” Outer shaft rotary head, with inserted tungsten carbide face.
   SHELLEND.CARB 2.000” Outer shaft rotary head, with inserted carbon face.

B SHELLEND.COIL Spring to suit 2.000” outer shaft rotary head.

C 2”FLUSH SINGLE 2.000” Outer shaft collet, with chrome dioxide coated running face.

D 1.1/2” SHELLEND 1.1/2” Inner shaft rotary head, with inserted carbon face.

E 1.1/2” SHELLEND.COIL Spring to suit 1.1/2” inner shaft rotary head.

F 1.1/2” FLUSH SINGLE 1.1/2” Inner shaft bush, with chrome dioxide coated running face.

We also produce and stock an alternative component C, with a reduced length and no flush ports.

C 2” NONFLUSH SINGLE 2.000” Outer shaft collet, with chrome dioxide coated running face.

Vulcan Codes

Shellend

2” Flush Single

1.1/2” Flush Single

2” Non Flush Single
Vulcan have been successfully supplying the dairy and beverage industries with seals to suit APV Puma® pumps for over 15 years. Vulcan produce and stock all the seals and associated components commonly used on the 1.000” and 1.500” shaft Puma® pumps.

Every seal, seat and gasket component, used on the range of these pumps, is available ex-stock, in all common face and elastomer materials.
VULCAN SEALS TO SUIT ALFA LAVAL
CONITHERM® DRYER SEAL SYSTEM

Vulcan Codes

Where XXXX is stated in the code, add 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.SEA L Type 26 ‘O’-Ring mounted rotary with inserted carbon face.
XXXX.26.N.S.SEA L Type 26 ‘O’-Ring mounted rotary with inserted silicon carbide face.
XXXX.26.N.H.SEA L 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.

SEAT ARRANGEMENT TWO =D and C

XXXX.26.N.C.SEA T Type 26 boot mounted ceramic seat, inserted in stainless adaptor.
XXXX.26.N.S.SEA T Type 26 boot mounted silicon carbide seat, inserted in stainless adaptor.
XXXX.26.N.C.GASK Gasket set, with flat and L-shaped gasket, for above plate seat.

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.SEA L Type 18 inboard rotary, Nitrile bellows and carbon face.
The APV W® and APV W+® pumps have been introduced to replace the APV Puma® pumps. Vulcan manufacture and stock a complete range of mechanical seals designed to suit APV W® and APV W+® pumps, in single and double configuration.
VULCAN TYPE 16 SEALS TO SUIT
APV W® AND APV W+® PUMPS

Vulcan Codes

Where XXXX is stated in the code, add 0250 or 0350 for 25mm or 35mm shaft size as appropriate.

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

SINGLE SEAL ARRANGEMENTS

XXXX.16.N.D. Type 16 with carbon rotary face and monolithic silicon carbide seat.
XXXX.16.N.S. Type 16 with silicon carbide rotary face and monolithic SIC seat.
XXXX.16.N.H. Type 16 with tungsten carbide rotary face and monolithic TC seat.
XXXX.16.N.C.GASK Two-part gasket set for the Type 16 stationary.

DOUBLE SEAL ARRANGEMENTS

XXXX.16.DOUB.N.WS. Silicon carbide vs silicon carbide inboard, stainless vs carbon outboard.
XXXX.16.DOUB.N.ZS. Silicon carbide vs silicon carbide inboard, silicon vs silicon outboard.
XXXX.16.DOUB.N.ZH. Tungsten carbide vs tungsten inboard, tungsten vs tungsten outboard.
XXXX.16.D.NWSTATMON Central seat only, monolithic silicon carbide.
Vulcan produce and stock a wide range of mechanical seals designed to directly replace all other common APV® pump seals. We are continually extending this range, if what you require is not shown in this brochure, then please ask.

Vulcan Type 29, suitable for APV® ZMA, ZMB, ZMD, ZMS, ZMH & ZMK “Rosista®“ and “Pasilac®“ pumps. Available with carbon rotary face vs. stainless boot mounted seat as standard, or with hard silicon carbide faces, in all standard elastomers.
Type 295
Wave-spring seal for 48mm shaft size, suitable for APV® ZMS-5 pump. Rotary unit has inserted carbon rotary face, with a monolithic stainless steel pinned-seat.

Type 292
Bearing face kits, for 1.1/8” shaft size, suitable for APV, Osborne Craig® mixers. The bearing seat is monolithic carbon, with the bearing being monolithic ceramic.

Further Vulcan types for APV® pumps.
Vulcan also produce mechanical seals to suit APV®, ZMS410 and ZM8-610 pumps. Vulcan Type 294 repair kits for APV Howard® Cleanline R900® wave-spring seals, in single or double arrangement, consisting of rotary face with ‘O’-Ring, stationary face with elastomer boot, and a wave-spring, are available usually from stock.
Type 66
Vulcan produce a simple, 1.0” shaft size rubber encased, single-spring seal for use in several common food and dairy equipment applications.

Type 1644
Vulcan Type 1644 rubber-encased multi-spring seal, for use in the food, beverage and dairy industries applications. Available with Ni-Resist seal face and carbon seat-ring, Nitrile elastomers, other material combinations available to special order.
VULCAN TYPE 1655 WAVE-SPRING SEALS TO SUIT IBEX® MOG PUMPS

Type 1655

Vulcan manufacture and stock a range of face repair kits and barrels to suit MOG® and ALP® pumps. Available with inserted carbon or silicon carbide faced rotary heads, and monolithic stainless steel, or inserted silicon carbide pinned seats as standard, with inserted tungsten carbide faces available to order. Repair kits comprise of rotary head with ‘O’-Ring and wave-spring, with seat and ‘O’-Ring. The barrels to complete the rotary unit are available as separate items. Other shaft sizes are available to suit APV® Howard CL® pumps.
Further Vulcan Types for the Food and Dairy Industries

As can be seen from this section of this brochure, Vulcan offer an exceptional range of mechanical seals specifically for the Food and Dairy Industries, and this range is constantly under further expansion. For example, Vulcan have recently developed repair kits to suit Maso-Sine® SPS pumps, consisting of ceramic rotary face with ‘O’-Ring, pressure ring and double-wave spring, together with carbon, ‘O’-Ring mounted seat. If you require details of these, or any other application not illustrated here, please ask. With our excellent design and production facilities, we are sure to be able to help.
VULCAN MECHANICAL SEALS TO SUIT FRISTAM® PUMP APPLICATIONS

3001/1 and 3501/1 Arrangement

xx08/12 INBOARD ROTARY
xx06/61 INBOARD STAT
xx01/1 COLLET
xx05/6 OUTBOARD STAT
xx08/12B OUTBOARD ROTARY

VULCAN FOOD AND DAIRY INDUSTRIES SEALS
VULCAN MECHANICAL SEALS TO SUIT FRISTAM® PUMP APPLICATIONS

3001/2 and 3501/2 Arrangement

xx08/12 INBOARD ROTARY

xx01/2 COLLET

xx08/12B INBOARD ROTARY
VULCAN MECHANICAL SEALS TO SUIT FRISTAM® PUMP APPLICATIONS

2201/2 Collet Arrangement

2208/12 INBOARD ROTARY
2206/61 INBOARD STAT
2201/1 COLLET
2205/6 OUTBOARD STAT
2208/12B OUTBOARD ROTARY

VULCAN FOOD AND DAIRY INDUSTRIES SEALS
VULCAN MECHANICAL SEALS TO SUIT FRISTAM® PUMP APPLICATIONS

2201/2 Collet Arrangement

2208/12 INBOARD ROTARY
2206/61 INBOARD STAT
2201/2 COLLET
2204/9 CARBON BUSH
2208/12B OUTBOARD ROTARY
2208/12B OUTBOARD ROTARY
VULCAN MECHANICAL SEALS TO SUIT FRISTAM® PUMP APPLICATIONS

2201/3 Collet Arrangement

2208/12 INBOARD ROTARY
2206/61 INBOARD STAT
2201/3 COLLET
2204/9 CARBON BUSH
2205/6 OUTBOARD STAT
2208/12B OUTBOARD ROTARY
VULCAN MECHANICAL SEALS TO SUIT FRISTAM® PUMP APPLICATIONS

2201/4 Collet Arrangement

2208/12 INBOARD ROTARY
2206/61 INBOARD STAT
2201/4 COLLET