



SHARMA ENGINEERING & Co.





SHARMA ENGINEERING & Co.

About Us

We Welcomes you in our organization of Sharma Engineering & Co. our company is sole proprietorship firm with establishment in 2014. We thankfully acknowledge to showing your interest in our products range of Mechanical Seals & Centrifugal Pumps and Spares which is used in all type of Industries, Textile, Chemicals, Pharmaceuticals, Petrochemicals, Maine, Dairy and Foods, CETP, ETP, Power Station, Refineries, Thermal Power Station, Oil Industries and etc.

Standards & Designs

"SEC" having Computer Aided Design facility for designing & developing new Mechanical Seals in the interest of our valued customers. We always try to offer simple, compact & sturdy designs to have ease in installation & maintenance. We also developed your old pump and spares parts as per customer requirement.

Quality

Quality is our utmost priority. We use best grade of raw materials available internationally. Raw material, parts and assemblies are inspected thoroughly at various stages. By virtue of our quality matching to international standards, we are able to export our goods to various countries. Our motto is to provide best quality at reasonable price.

Our Mission

Our Mission Is To Reduce Total Operation Cost and Raise the Production Capacity through Our Sealing and Rotary Devices.

Our Vision

Our Vision is To Impact on Performance, Reliability and Efficiency of Current System through Our Products and Solutions, Where We Add Value To Your Business.



SHARMA ENGINEERING & Co.

SINGLE SPRING / UNBALANCE SEAL



Make :- SEC

Face Materials :- Carbon / Silicone Carbide / Ceramic / Tungstun Carbide / etc.

Type :- Single / Double.

Metal Part :- MS, SS 304, SS 316, SPECIAL ALLOY GRADE

Elastomer :- Silicone / Viton / PTFE / EPDM / Aflas / Karlez / TTV / etc.

Operating Limits :- Shaft Dia.12 to 100mm / Vaccum-Pressure up to 8bar

Temperature :- -20...+180⁰c

Velocity V :- 20m / sec

App. :- Chemicals / Pharmaceuticals / Food Products / Power Plants / etc.

MULTI SPRING / BALANCE SEAL

Make :- SEC

Face Materials :- Carbon / Silicone Carbide / Ceramic / Tungstun Carbide / etc.

Type :- Single / Double.

Metal Part :- MS, SS 304, SS 316, SPECIAL ALLOY GRADE

Elastomer :- Silicone / Viton / PTFE / EPDM / Aflas / Karlez / TTV / etc.

Operating Limits :- Shaft Dia.12 to 100mm / Vaccum-Pressure up to 8bar

Temperature :- -20...+200⁰c

Velocity V :- 20m / sec

App. :- Chemicals / Pharmaceuticals / Food Products / Power Plants / etc.



BELLOW SEAL / WATER SEAL



Make :- SEC

Face Materials :- Carbon / Silicone Carbide / Ceramic / etc.

Metal Part :- SS 304, SS 316

Elastomer :- Nitrile / Viton

Operating Limits :- Shaft Dia.10 to 100mm / Vaccum-Pressure up to 8bar

Temperature :- -20...+180 c / Velocity V :- 20m / sec



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AGITATOR SEAL / VESSEL SEAL

Make :- SEC

Face Materials :- Carbon / Silicone Carbide / Ceramic / Tungstun Carbide

Type :- Single / Double.

Metal Part :- MS, SS 304, SS 316, SPECIAL ALLOY GRADE

Elastomer :- Silicone / Viton / PTFE / EPDM / Aflas / Karlez / TTV / etc.

Operating Limits :- Shaft Dia.25 to 150mm / Vaccum-Pressure up to 8bar

Shaft Speed :- up to 320rpm

App. :- Chemicals / Pharmaceuticals / Food Products / Power Plants / etc.



TEFLON BELLOW SEAL



Make :- SEC

Face Materials :- GFT / CERAMIC / Silicone Carbide / Carbon

Metal Part :- SS 304, SS 316 Hastelloy-C

Elastomer :- PTFE Bellow

Temperature :- -45...+120⁰c / Velocity V :- 20m / sec

Type :- Single / Multi Springs

App. :- Corrosive / Extremely Corrosive

CARTIGE SEAL

Make :- SEC

Face Materials :- Carbon / Silicone Carbide / Ceramic / Tungstun Carbide / etc.

Metal Part :- MS, SS 304, SS 316, SPECIAL ALLOY GRADE

Elastomer :- Silicone / Viton / PTFE / EPDM / Aflas / Karlez / TTV / etc.

Operating Limits :- Shaft Dia.18 to 100mm / Vaccum-Pressure up to 8bar

Temperature :- -20...+300⁰c

Velocity V :- 20m / sec

App. :- Chemicals / Pharmaceuticals / Food Products / Power Plants / etc.





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METAL BELLOW SEAL



Make :- SEC

Face Materials :- Carbon / Silicone Carbide

Metal Part :- SS 316

Elastomer :- Grafoil / Aflas / Karlez

Operating Limits :- Shaft Dia.20 to 100mm / Vacuum-Pressure up to 18bar

Temperature :- -20...+300⁰c

Velocity V :- 20m / sec

App. :- Chemicals / Pharmaceuticals / Refinery / Corrosive Chemicals

DRY SEAL / BALANCE SLURRY SEAL

Make :- SEC

Face Materials :- Carbon / Silicone Carbide / Tungstun Carbide

Metal Part :- SS 304, SS 316

Elastomer :- Silicone / Viton / PTFE / EPDM / Aflas / Karlez / TTV / etc.

Operating Limits :- Shaft Dia.15 to 150mm / Vacuum-Pressure up to 8bar

Temperature :- Amb...+120⁰c

Velocity V :- 20m / sec

App. :- Chemicals / Pharmaceuticals / Food Products / Power Plants / etc.



REFURBISHMENT OF SEALS



Face Lapping :- Carbon / Silicone Carbide / Tungstoncarbide / etc.

Face Chenging :- Carbon / Silicone Carbide / Ceramic / etc.

Elastomer Replacement :- Nitrile / Viton / EPDM / TTV / PTFE / etc.

Spring Replacement :- SS 304 / SS 316 / Hastelloy - C / etc.

Retainer Replacement :- SS 304 / SS 316 / Hastelloy - C / etc.



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THERMOSYPHON VESSEL

Metal Part :- Thermosyphon Shell / Carbon Steel / SS 304 / SS 316

Colling Coil :- SS 304 / SS 316

Empty Weight :- 34 kg (approx)

Secondary Seal :- Elastomers

Operating Limits :- Capacity : 7.5 Ltrs / Design Pressure : 10 bar /
Hydraulic Test Pressure : 15 bar / Working Temperature(max) : 108°C/

Heat Transfer area of cooling Coil : 0.226m²

Cooling Water Flow rate Recommended : 10ltrs/min



SELF PRIMING PUMP (MUD PUMP)



Make :- SEC

Head :- 35 Mtr.

Flow :- 75m³/hr.

Speed :- 2900rpm

Sealing :- Gland Packing/Mechanical Seal

M.O.C. :- C.I., C.S, MS, WCB, SS 304, SS 316, SPECIAL ALLOY GRADE

App :- Petrol / Solvent / Slurry / Gases / Water / ETP, Etc

Type :- Horizontal / Back Pull Out

CENTRIFUGAL PUMP (METALIC PUMP)

Make :- SEC

Head :- 150 Mtr.

Flow :- 400m³/hr.

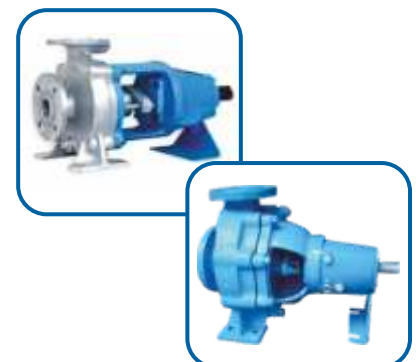
Speed :- 1400 / 2900 RPM

Sealing :- Gland Packing/Mechanical Seal

M.O.C. :- C.I., C.S, MS, WCB, SS 304, SS 316, SPECIAL ALLOY GRADE

App :- Process / Utility / Liquid Transfer

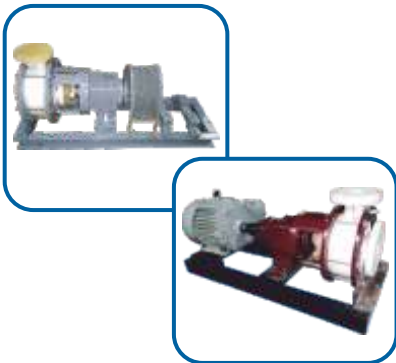
Type :- Horizontal / Back Pull Out





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CENTRIFUGAL PUMP (NON METALIC PUMP)



Make :- SEC

Head :- 50 Mtr.

Flow :- 51m³/hr.

Speed :- 2900 / 1450 RPM

Sealing :- Gland Packing/Mechanical Seal

M.O.C. :- POLYPROPYLENE, PPH, UHMWPE, PTFE, NYLONE.

Type :- Horizontal / Back Pull Out

V.G.P. / Armour Type (Vertical Glandless Pump / Lined Pump)

Make :- SEC

Head :- 87 Mtr.

Flow :- 180m³/hr.

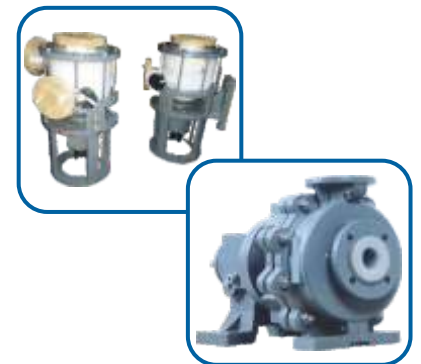
Speed :- 1440/2900rpm

Sealing :- Gland Packing/Mechanical Seal (Not For V.G.P)

M.O.C. :- POLYPROPYLENE, UHMWPE, PTFE, PVDF, FEP, PFA, ETFE

App. :- Highly Corrosive / Acid / Temperature Acidic

Type :- Horizontal / Vertical



PUMP SPARES AND SERVICES



M.O.C :- C.I., C.S., W.C.B., SS 304, SS 316, Alloygrade, etc.

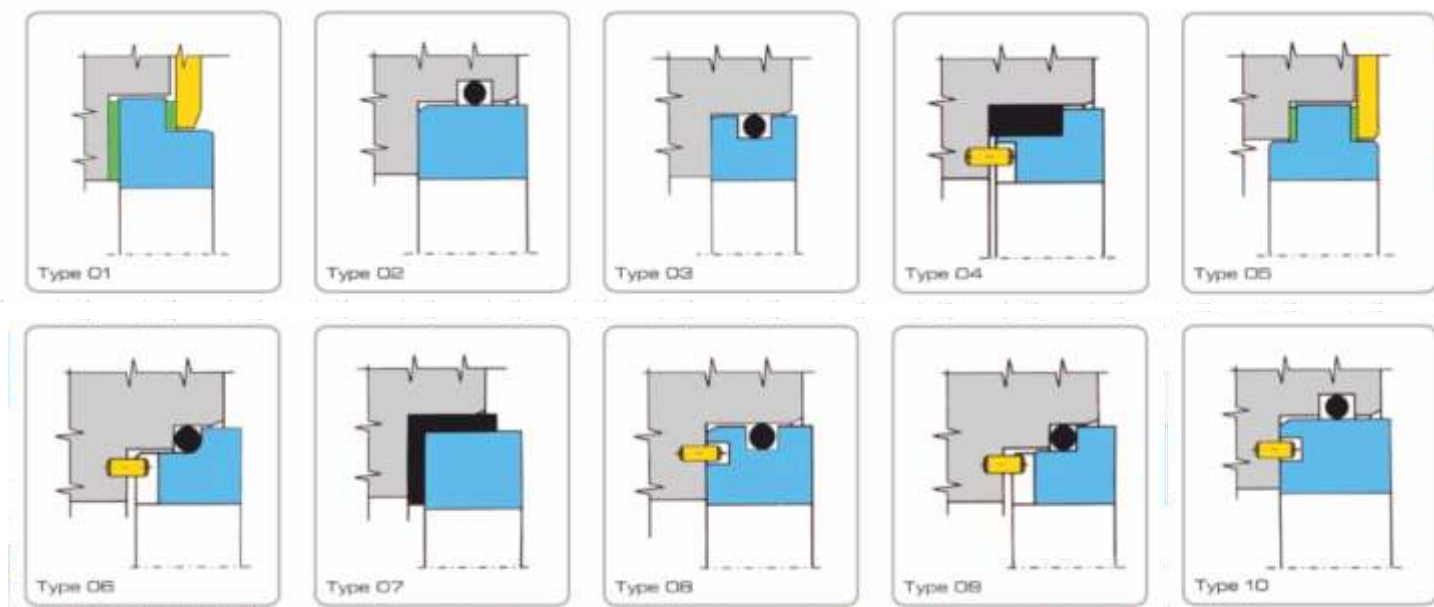
Items :- Shaft, Sleeve, Impeller, Bearing Housing, Stuffing Box, Casing, etc.

Make :- KSB, KBL, Johnson, Antico, Calama, Khimline, Akay, etc.

Note :- Special Development as per your need

Services :- All type of Pump Spares and Maintenance

Standard Mating Ring Types



SHARMA
ENGINEERING & Co.

Manufacturer & Supplier of Mechanical Seals, Centrifugal Pumps

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