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**MECHANICAL SHAFT SEALS, & ROTARY JOINT
MANUFACTURER & EXPORTER**

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SINCE 2002

Application

Petrochemicals , Petroleum refinery, General chemicals , Light hydrocarbons

Material

Seal Face :- Carbon, Ceramic,Silicon Carbide, Tungsten Carbide, Lecrolloy

Secondary Seal :- Elastomers , PTFE , GFT

Metal Parts :- SS316, SS304, Hastelloy-C, Monel, Alloy - 20

Operating Limits

Shaft D₁ d₁ :- 14 - 100 mm

Pressure P :- 35 bar (max)

Temp t :- -60 - +200°C

Velocity v :- 20 m/sec

Series C80B / 85B Balanced Seal



Series

C80U / 85U

Unbalanced Seal



Application

Petrochemicals , Petroleum refinery, General chemicals , Light hydrocarbons

Material

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Secondary Seal :- Elastomers , PTFE , GFT

Metal Parts :- SS316, SS304, Hastelloy-C, Monel, Alloy - 20

Operating Limits

Shaft D₁ d₁ :- 14 - 100 mm

Pressure P :- 35 bar (max)

Temp t :- -60 - +200°C

Velocity v :- 20 m/sec

Application

Light Abrasive handling pumps , Light Sewage handling pumps

High viscosity handling pumps , General & light chemicals & Hydrocarbons

Material

Seal Face :- Carbon, Ceramic,Silicon Carbide, Tungsten Carbide, Lecrolloy

Secondary Seal :- Elastomers , PTFE , GFT

Metal Parts :- SS316, SS304, Hastelloy-C, Monel, Alloy - 20

Operating Limits

Shaft D₁ d₁ :- 14 - 100 mm

Pressure P :- 10bar (max)

Temp t :- -45 - +200°C

Velocity v :- 20 m/sec

Series C110U / 115U Balanced Seal



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Application

Chemicals , Petrochemicals , Refinery , Corrosive chemicals

Material

Seal Face :- Carbon, Silicon Carbide, Tungsten Carbide

Secondary Seal :- Elastomers , PTFE , GFT

Metal Parts :- SS304, SS316, Hastelloy-C

Operating Limits

Shaft D₁ d₁ :- 20 - 100 mm

Pressure P :- 20 bar (max)

Temp t :- -20 - +200°C

Velocity v :- 20 m/sec

Series C40 / C45 Metal Below Seal



Series

C900B / CG

High pressure Heavy duty Seal



Application

Oil Pipeline Pumps , Boiler Feed Water Pumps

Material

Seal Face :- Carbon / Sic , Carbon / TC , Sic / Sic

Secondary Seal :- Elastomers

Metal Parts :- SS316, SS304, Hastelloy-C, Monel, Alloy - 20 , Titanium

Operating Limits

Shaft D₁ d₁ :- 25.4 - 114.3 mm

Pressure P :- 25 - 150 bar (max)

Temp t :- -40 - +200°C

Velocity v :- 20 m/sec

Application

Ash slurry Pumps , Clinker Grinder , Pulp Pumps , Sludge Pumps , Syrup Pumps , Slurry Pumps.

Material

Seal Face :- Sic / Sic , TC / Sic

Secondary Seal :- Elastomers , FEP

Metal Parts :- SS316, SS304, Hastelloy-C, Monel, Alloy - 20

Operating Limits

Shaft D₁ d₁ :- 17 - 100 mm

Pressure P :- 25 bar (max)

Temp t :- -20 - +180°C

Velocity v :- 20 m/sec

Series CPM 900 / CG Cartridge heavy duty Balanced Seal



Application

Food , Chemical , Mining , Water Treatment , Media Containing Slurry

Material

Seal Face :- Carbon / Sic , Carbide, Sic / Sic , TC / Sic

Secondary Seal :- Elastomers , FEP

Metal Parts :- SS304, SS316, Hastelloy-C , Monel , Alloy 20

Operating Limits

Shaft Dia d1 :- 0.875" - 3.0"

Pressure P :- 18 bar (max)

Temp t :- -20 - +180°C

Velocity v :- 20 m/sec

Series CPM 935 / CG

Compact Cartridge balanced Seal



Series

C60 L / C65 L

Metal Bellow Seal



Application

Petrochemical , Petroleum refinery , Refinery

Material

Seal Face :- Carbon , Silicon Carbide , Tungsten Carbide

Secondary Seal :- Grafoil

Metal Parts :- SS316 , Carpenter - 42

Operating Limits

Shaft Dia d1 :- 0.75" - 4.0

Pressure P :- 20 bar (max)

Temp t :- -20 - +350°C

Velocity v :- 20 m/sec

Application

Extremely Corrosive Liquids & Acidic Application Pumps

Material

Seal Face :- Gft / Cer , Sic / Cer , Car / Cer , Sic / Sic

Secondary Seal :- PTFE

Metal Parts :- SS304 , SS316 , Hastelloy-C

Operating Limits

Shaft Dia d1 :- 0.75" - 6.0" mm

Pressure P :- 6 bar (max)

Temp t :- -45 - +120°C

Velocity v :- 20 m/sec

Series C20M / C20R PTFE Bellow Seal



Application

Corrosive Chemicals , Hydrocarbons , General & Light Chemicals

Material

Seal Face :- Carbon , Ceramic , Silicon carbide , TC

Secondary Seal

C88b2 :- Elastomers , FEP :- Multi Spring Seal

CPW 821 :- Elastomer , FEP :- Wave Spring Seal

Metal Parts :- SS304, SS316, Hastelloy-C , Monel , Alloy 20

Operating Limits

Shaft D₁ d1 :- 0.75" - 8.0"

Temp t :- -45 - +180°C

Pressure P :- 25 bar (max)

Velocity v :- 20 m/sec

Series C88B2 / CPW 821 Reserve balanced Seal



Series

CPS 150 / 155

Single Spring Seal



Application

Crystallizing Slurry , Suspended Solids Slurry , Saturated chemical Slurry
General chemicals Slurry

Material

Seal Face :- Carbon , Ceramic , Sic , TC , Lecrolloy

Secondary Seal

CPS 150 :- PTFE , GFT

CPS 155 :- Elastomers

Metal Parts :- SS316 , SS304

Operating Limits

Shaft D₁ d1 :- 0.875" - 3.5"

Temp t :- -23 - +200°C

Pressure P :- 14 bar (max)

Velocity v :- 20 m/sec

Application

Petrochemicals , Petroleum Refinery , General chemicals , Light Hydrocarbons

Material

Seal Face :- Carbon , Ceramic , Sic , TC Lecrolloy

Secondary Seal

C70U :- Elastomers

C75U :- PTFE , GFT

Metal Parts :- SS304 , SS316 , Hastelloy-C

Operating Limits

Shaft D₁ d1 :- 0.5" - 4.0" mm

Temp t :- -60 - +200°C

Pressure P :- 10 bar (max)

Velocity v :- 20 m/sec

Series C70U / C75U Unbalanced Seal



Application

Corrosive Chemicals , Hydrocarbons , General & Light Chemicals

Material

Seal Face :- Carbon , Ceramic , Silicon carbide , TC , Lecrolloy

Secondary Seal

C70B :- Elastomers

C75B :- PTFE , GFT

Metal Parts :- SS304, SS316

Operating Limits

Shaft D₁ d₁ :- 0.625" -4.0"

Pressure P :- 35 bar (max)

Temp t :- -60 - +200°C

Velocity v :- 20 m/sec

Series C70B / C75B Balanced Seal



Series C90B / C95B CPW90B / CPW95B Balanced Seal



Application

Crystallizing Slurry , Suspended Solids Slurry , Saturated chemical Slurry
General chemicals Slurry

Material

Seal Face :- Carbon , Ceramic , Sic , TC , Lecrolloy

Secondary Seal

C90B :- PTFE , GFT (Multi Spring Seals)

C95B :- Elastomers

CPW 90B :- Elastomers (Wave Spring Seals)

CPW 95B :- PTFE , GFT

Metal Parts :- SS316 , SS304 , Hastelloy - C , Monel , Alloy-20

Operating Limits

Shaft D₁ d₁ :- 0.625" - 4.0"

Pressure P :- 35 bar (max)

Temp t :- -60 - +200°C

Velocity v :- 20 m/sec

Application

Petrochemicals , Petroleum Refinery , General chemicals , Light Hydrocarbons

Material

Seal Face :- Carbon , Ceramic , Sic , TC Lecrolloy

Secondary Seal

C90U :- Elastomers

C95U :- PTFE , GFT

Metal Parts :- SS304 , SS316 , Hastelloy-C , Monel , Alloy - 20

Operating Limits

Shaft D₁ d₁ :- 0.625" - 4.0" mm

Pressure P :- 10 bar (max)

Temp t :- -60 - +200°C

Velocity v :- 20 m/sec

Series C90U / C95U Unbalanced Seal



Application

Food Industry , Chemical Industry , Mining Industry ,
Water Treatment , Media Containing Slurry

Material

Seal Face :- Carbon / Sic , Sic / Sic , TC / Sic
Secondary Seal :- Elastomer , FEP
Metal Parts :- SS304, SS316 , Hastelloy - C

Operating Limits

Shaft D ₁ :- 14 - 95mm	Temp t :- -20 - +180°C
Pressure P :- 25 bar (max)	Velocity v :- 20 m/sec

Series C85 / C85CG Balanced Seal



Series CPR 100

Unbalanced Water Seal



Application

Water pumps , Submersible pumps , Sewage Pumps

Material

Seal Face :- Sic / Sic , Carbon / Sic , Carbon / Lecrolloy , Carbon / Ceramic
Secondary Seal :- Nitrile , Viton
Metal Parts :- SS316 , SS304

Operating Limits

Shaft D ₁ :- 10 - 100mm	Temp t :- -20 - +180°C
Pressure P :- 12 bar (max)	Velocity v :- 20 m/sec

Application

Water Pumps , Circulation pumps for central heating ,
Chemical Process Pumps , Sewage & Submersible pumps

Material

Seal Face :- Carbon , Ceramic , Sic , Lecrolloy
Secondary Seal :- Elastomers , PTFE , GFT
Metal Parts :- SS304 , SS316

Operating Limits

Shaft D ₁ :- 0.5" - 3.0" mm	Temp t :- -20 - +120°C
Pressure P :- 10 bar (max)	Velocity v :- 20 m/sec

Series C2U Unbalanced Seal



Application

Food Industry , Chemical Industry , Mining Industry ,
Water Treatment , Media Containing Slurry

Material

Seal Face :- Carbon / Ceramic , Sic , TC , Lecrolloy

Secondary Seal

CPKS 901 :- PTFE , GFT

CPKS 913 :- Inboard - PTFE , GFT / Outboard - Elastomers

Metal Parts :- SS316 , SS304 , CS , Hastelloy-B & C , Monel , Alloy-20

Operating Limits

Shaft Dia d1 :- 25 - 150mm

Temp t :- Amb - 200°C

Pressure P :- Vacum 35 bar(max) Shaft Speed n :- 600 rpm (max)

Barrier fluid pressure :- Vessel pressure + 1.5 bar

Series CPKS 901 / 913

Top Entry Agitator Seals Double Acting



Series CPKG 908

Single Acting Glass Lined Agitator
with Bearing



Application

Pharmaceutical & General chemical & its Vapour

Material

Seal Face :- Carbon , Silicon

Secondary Seal :- FEP , Karlez

Metal Parts :- CS , SS304 , SS316 & Higher Alloy on Request

Operating Limits

Shaft Dia d1 :- 50 - 160mm

Temp t :- Amb - 180°C

Pressure P :- Vacum - 10bar (max) Shaft Speed :- 320 rpm (max)

Application

Pharmaceutical & General chemical & its Vapour

Material

Seal Face :- Carbon , Silicon

Secondary Seal :- FEP , Karlez

Metal Parts :- CS , SS304 , SS316 & Higher Alloy on Request

Operating Limits

Shaft Dia d1 :- 50 - 160mm

Temp t :- Amb - 200°C

Pressure P :- Vacum 10 bar(max) Shaft Speed n :- 600 rpm (max)

Barrier fluid pressure :- Vessel pressure + 1.5 bar

Series CPKG 901 / 913

Glass Lined Agitator With Bearing
Double Acting



Application

Food Products & Pharmaceutical Products

Material

Seal Face :- Carbon / Silicon

Secondary Seal :- Elastomer , FEP

Metal Parts :- SS316 , SS304 , Hastelloy-B & C , Monel , Alloy-20

Operating Limits

Shaft Dia d1 :- 15 - 150 mm

Temp t :- Amb - 120°C

Pressure P :- Vacuum 10 bar(max)

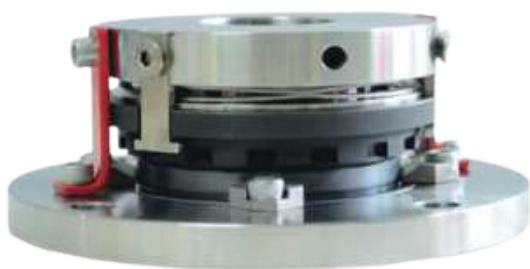
Shaft Speed n :- 320 rpm (max)

Series C88B2A / CG Dry Running Seal Multi Spring



Series CPW 881/CG

Dry Running Seal Wave Spring



Application

Food Products & Pharmaceutical Products

Material

Seal Face :- Carbon / Silicon

Secondary Seal :- Elastomer , FEP

Metal Parts :- SS316 , SS304 , Hastelloy-B & C , Monel , Alloy-20

Operating Limits

Shaft Dia d1 :- 15 - 150 mm

Temp t :- Amb - 120°C

Pressure P :- Vacuum 10 bar(max)

Shaft Speed n :- 320 rpm (max)

Application

Pharmaceutical & General chemical & its Vapour

Material

Seal Face :- Car / Lecrolloy , Car / Cer , Car / Sic , Sic / Sic

Secondary Seal :- Nitrile , Viton

Metal Parts :- CS , SS304 , SS316 & Higher Alloy on Request

Operating Limits

Shaft Dia d1 :- 10 - 100mm

Temp t :- -20 - +180°C

Pressure P :- 12 bar(max)

Velocity v :- 10m/sec

Series CP73 Unbalanced Seal





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Series CPIMS

Munsch Pump Inside Mounted Seal

Application

Highly Corrosive & Acidic Application

Material

Seal Face :- Sic / SIC

Secondary Seal :- Elastomer , FEP , PTFE

Metal Parts :- SS316

Housing & Other Parts :- PP

Spring :- Hallar Coated

Operating Limits

Shaft Dia d1 :- 38 - 60 mm Temp t :- Amb - 120°C

Pressure P :- 6 bar(max)



Series CPTS07

Thermosyphon Vessel

Application

Food Products & Pharmaceutical Products

Material

Thermosyphon shell :- Carbon steel , SS304 , SS316

Cooling coil :- SS304 , SS316

Empty Weight :- 10kg (Approx)

Secondary Seal :- Elastomer

Operating Range:

Capacity : 7.0 ltr , Design Pressure : 35 bar ,

Hydraulic Test pressure : 53 bar Heat Transfer area : 0.2 m²

Working temp. (max) : 150°C

Cooling water flow rate : 5 ltr/min



Series

CPRJ101 / 201

Mono flow & Dual flow Rotary Joint

Application

Water , Coolant , Oil , Steam , Air

Material

Face :- Carbon , Silicon

Secondary Seal :- Elastomers

Metal Parts :- SS304 , Brass , Aluminium

Operating Limits

Size d1 :- 3/8" - 2.0"

Temp t :- 120°C

Pressure P :- 10 bar

Speed upto :- 3500 rpm



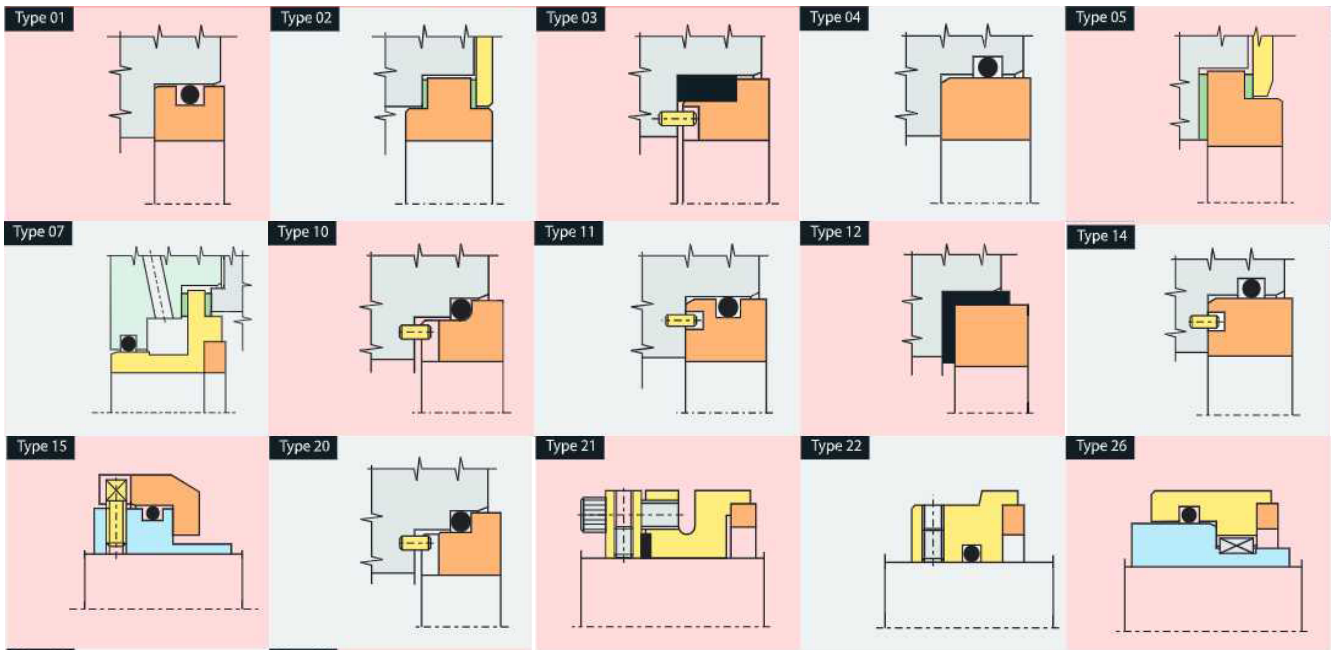
Mono flow Rotary Joint



Dualflow Rotary Joint

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Stationary Mating Ring Type



Mfg Facilities .



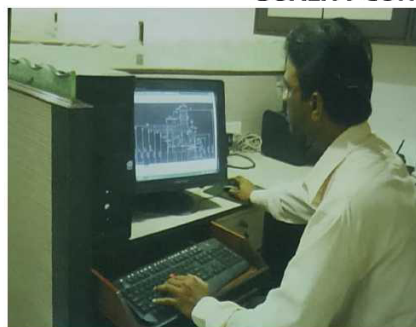
WORKSHOP



QUALITY CONTROL FACILITIES



ASSEMBLY DEPT



DRAWING DEPT



OFFICE DEPT



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Exporting World Wide



CHEM-PROOF ENGG INDIA PVT LTD

One Stop Solution For All Your Sealing Need....

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