



**VERSATILE , GROMMET &
ORGANIC CARTRIDGE, PUSHER SEALS**





- TRANS-SC -Versatile Cartridge Single Seal
- TRANS-DC-Versatile Cartridge Double Seal
- TRANS-SCM- Versatile Cartridge Single Metal bellow Seal
- TRANS-DCM- Versatile Cartridge Double Metal bellow Seal
- TRANS-SC -Versatile Cartridge Single Seal
- TRANS-DC-O- Organic Cartridge Double Seal
- TRANS-GSS- Grommet Single Coil spring seal
- TRANS-GMS- Grommet Multi Spring Pusher Seal
- TRANS-GMSB- Grommet Multi Spring Balanced Seal
- TRANS-GMB- Grommet Metal Bellow Seal
- TRANS-GPB- Grommet PTFE BELLOW Seal
- TRANS- GRB- Grommet Reverse Balance Seal
- TRANS- AMS- Versatile Agitator Seal / Dry Running seal

MECHANICAL SEALS



Designed For : DIN EN ISO 2858,
5199 and 15783 ANSI ASME B73.3 Types Pumps



TRANS-SC -VERSATILE CARTRIDGE SINGLE SEAL



KEY FEATURES:

TYPICAL APPLICATIONS:

- High-pressure pumping systems.
- High-speed rotary equipment.
- Chemical processing and handling.
- Oil and gas refining and production.
- Power generation and transmission.
- Water and wastewater treatment.
- High-temperature processing applications.

ELASTOMERS:

Fluoro elastomers : Viton (FKM),Aflas (FEPM), FK (Perfluoro elastomer). Hydrocarbon Elastomers : Nitrile (NBR),Neoprene (CR). Silicone Elastomers: Silicon (VMQ). Other Elastomers: EPR (Ethylene Propylene Rubber), PTFE(Polytetrafluoroethylene),STV (Fluoro silicone).

SEALING FACES:

Rotary Face : SiC (Silicon Carbide).TC (Tungsten Carbide). Stationary Face:SiC (Silicon Carbide)..TC (Tungsten Carbide). Carbon (Graphite or Carbon-filled materials).

TRANS-DC-VERSATILE CARTRIDGE DOUBLE SEAL

KEY FEATURES:

TYPICAL APPLICATIONS:

- Chemical processing and handling.
- Oil and gas refining and production.
- Power generation and transmission.
- Pulp and paper processing.
- Water and wastewater treatment.
- Food and beverage processing.
- Pharmaceutical applications.
- Vacuum Distillation
- Crystallizing Solution.
- Hazardous Liquids.
- Multiple Evaporator Plants distillery & Spent Wash.

ELASTOMERS:

Fluoroelastomers : Viton (FKM).Aflas (FEPM). FFKM (Perfluoroelastomer). Hydrocarbon Elastomers:Nitrile (NBR). Neoprene (CR).Silicone Elastomers:Silicon (VMQ). Other Elastomers : EPR (Ethylene Propylene Rubber).PTFE (Polytetrafluoroethylene). STV (Fluorosilicone).

SEALING FACES:

Rotary Face SiC (Silicon Carbide).TC (Tungsten Carbide). Stationary Face SiC (Silicon Carbide). TC (Tungsten Carbide). Carbon (Graphite or Carbon-filled materials).



TRANS-SCM- VERSATILE CARTRIDGE SINGLE METAL BELLOW SEAL



KEY FEATURES:

TYPICAL APPLICATIONS:

- Chemicals & Salt Solutions: Handling corrosive and abrasive chemicals, saltwater, and brine solutions
- Petrochemicals: Processing petroleum based products, fuels, and lubricants
- Refineries: Crude oil refining, fuel processing, and petrochemical production
- Pulp & Paper Industries: Handling pulping, bleaching, and paper processing chemicals

ELASTOMERS:

Fluoroelastomers : Viton (FKM). Aflas (FEPM). FFKM (Perfluoroelastomer) Hydrocarbon Elastomers:Nitrile (NBR). Neoprene (CR) Silicone Elastomers:Silicon (VMQ) Other Elastomers:EPR (Ethylene Propylene Rubber).PTFE (Polytetrafluoroethylene).STV (Fluorosilicone)

SEALING FACES:

Rotary Face : SiC (Silicon Carbide).TC (Tungsten Carbide). Stationary Face:SiC (Silicon Carbide)..TC (Tungsten Carbide). Carbon (Graphite or Carbon-filled materials).



TRANS-DCM- VERSATILE CARTRIDGE DOUBLE METAL BELLOW SEAL



KEY FEATURES:

TYPICAL APPLICATIONS:

- Chemicals & Salt Solutions: Handling corrosive and abrasive chemicals, saltwater, and brine solutions
- Petrochemicals: Processing petroleum based products, fuels, and lubricants
- Refineries: Crude oil refining, fuel processing, and petrochemical production
- Pulp & Paper Industries: Handling pulping, bleaching, and paper processing chemicals

ELASTOMERS:

Fluoroelastomers : Viton (FKM),Aflas (FEPM).
FFKM (Perfluoroelastomer).
Hydrocarbon Elastomers:Nitrile (NBR).Neoprene (CR)
Silicone Elastomers:Silicon (VMQ)
Other Elastomers:EPR (Ethylene Propylene Rubber).PTFE (Polytetrafluoroethylene).STV (Fluorosilicone).

SEALING FACES:

Rotary Face:SiC (Silicon Carbide).TC (Tungsten Carbide)
Stationary Face:SiC (Silicon Carbide).TC (Tungsten Carbide).Carbon (Graphite or Carbon-filled)

TRANS-SC-O- ORGANIC CARTRIDGE SINGLE SEAL

KEY FEATURES:

TYPICAL APPLICATIONS:

- Corrosive Slurries: Handles abrasive and corrosive mixtures.
- Corrosive Salt Solutions: Withstands harsh salt-based environments.
- Hot Caustic Solutions: Resists high temperature caustic substances.
- Desalination Plants: Suitable for reverse osmosis and other desalination processes.
- Chloro Alkali Plants: Handles corrosive chemicals in chloro-alkali production.
- MEE (Multiple Effect Evaporation) Plants: Withstands demanding conditions in MEE processes

ELASTOMERS:

Fluoroelastomers:Viton (FKM).Aflas (FEPM).
FFKM (Perfluoroelastomer)
Hydrocarbon Elastomers:Nitrile (NBR).Neoprene (CR) Silicone Elastomers:Silicon (VMQ)
Other Elastomers:EPR (Ethylene Propylene Rubber).PTFE (Polytetrafluoroethylene).
STV (Fluorosilicone)

SEALING FACES:

Rotary Face:SiC (Silicon Carbide).TC (Tungsten Carbide) Stationary Face:SiC (Silicon Carbide).TC (Tungsten Carbide).Carbon (Graphite or Carbon-filled materials)



TRANS-DC-O- ORGANIC CARTRIDGE DOUBLE SEAL

KEY FEATURES:

TYPICAL APPLICATIONS:

Chemicals & Salt Solutions: Handling corrosive and abrasive chemicals, saltwater, and brine solutions
Petrochemicals: Processing petroleum based products, fuels, and lubricants
Refineries: Crude oil refining, fuel processing, and petrochemical production
Pulp & Paper Industries: Handling pulping, bleaching, and paper processing chemicals

ELASTOMERS:

Fluoroelastomers : Viton (FKM),Aflas (FEPM).
FFKM (Perfluoroelastomer).
Hydrocarbon Elastomers:Nitrile (NBR).Neoprene (CR)
Silicone Elastomers:Silicon (VMQ)
Other Elastomers:EPR (Ethylene Propylene Rubber).PTFE (Polytetrafluoroethylene).STV (Fluorosilicone).

SEALING FACES:

Rotary Face:SiC (Silicon Carbide).TC (Tungsten Carbide)
Stationary Face:SiC (Silicon Carbide).TC (Tungsten Carbide).Carbon (Graphite or Carbon-filled materials)





TRANS-GSS- GROMMET SINGLE COIL SPRING SEAL

KEY FEATURES:



TYPICAL APPLICATIONS:

- Viscous & Arduous Duties: Handles thick and challenging fluids with ease.
- Crystallizing & Solidifying Media: Suitable for applications involving phase changes.
- Abrasive Slurries: Handles slurries with moderate concentrations of abrasives.
- Heat Transfer Liquids: Suitable for heat transfer applications up to moderate temperatures, Chemical processing & handling, Oil and gas refining and production, power generation and transmission, Pulp and paper processing, Water and wastewater treatment.

ELASTOMERS:

Fluoroelastomers: Viton (FKM), Aflas (FEPM), FFKM (Perfluoroelastomer).
Hydrocarbon Elastomers: Nitrile (NBR), Neoprene (CR) Silicone Elastomers : Silicon (VMQ) Other Elastomers : EPR (Ethylene Propylene Rubber), PTFE (Polytetrafluoroethylene), STV (Fluorosilicone).

SEALING FACES:

Rotary Face: SiC (Silicon Carbide), TC (Tungsten Carbide) Stationary Face: SiC (Silicon Carbide), TC (Tungsten Carbide), Carbon (Graphite or Carbon-filled materials).

TRANS-GMS- GROMMET MULTI SPRING PUSHER SEAL

KEY FEATURES:

TYPICAL APPLICATIONS:

- Clear and Lubricating Media: Suitable for handling clean and lubricating fluids.
- Petrochemicals: Ideal for applications in the petrochemical industry.
- General Chemicals: Can handle a wide range of general chemical applications.
- Refinery Services: Suitable for use in refinery services and applications.

ELASTOMERS:

Fluoroelastomers: Viton (FKM), Aflas (FEPM), FFKM (Perfluoroelastomer)
Hydrocarbon Elastomers: Nitrile (NBR), Neoprene (CR) Silicone Elastomers: Silicon (VMQ) Other Elastomers: EPR (Ethylene Propylene Rubber), PTFE (Polytetrafluoroethylene), STV (Fluorosilicone).

SEALING FACES:

Rotary Face: SiC (Silicon Carbide), TC (Tungsten Carbide) Stationary Face: SiC (Silicon Carbide), TC (Tungsten Carbide), Carbon (Graphite or Carbon-filled materials).



TRANS-GMSB- GROMMET MULTI SPRING BALANCED SEAL

KEY FEATURES:



TYPICAL APPLICATIONS:

- Viscous & Arduous Duties: Handles thick and challenging fluids with ease.
- Food & Beverages: Suitable for applications in the food and beverage industry.
- Crystallizing & Solidifying Media : Ideal for applications involving phase changes.
- Dye Liquor Applications: Suitable for handling dye liquids in textile and other industries.
- Moderate Slurries: Can handle slurries with moderate concentrations of solids.

ELASTOMERS:

Fluoroelastomers: Viton (FKM), Aflas (FEPM), FFKM (Perfluoroelastomer).
Hydrocarbon Elastomers: Nitrile (NBR), Neoprene (CR) Silicone Elastomers : Silicon (VMQ). Other Elastomers: EPR (Ethylene Propylene Rubber), PTFE (Polytetrafluoroethylene), STV (Fluorosilicone).

SEALING FACES:

Rotary Face: SiC (Silicon Carbide), TC (Tungsten Carbide). Stationary Face : SiC (Silicon Carbide), TC (Tungsten Carbide), Carbon (Graphite or Carbon-filled materials).



TRANS-GMB- GROMMET METAL BELLOW SEAL



KEY FEATURES:

TYPICAL APPLICATIONS:

- Thermic Fluid: Suitable for handling thermic fluids in various industries.
- Petrochemicals: Ideal for applications in the petrochemical industry.
- Refinery Services: Suitable for use in refinery services and applications.
- Fatty Acid: Can handle fatty acids and related chemicals.

ELASTOMERS:

SMBH (High-Temperature Metal Bellows)
Metal Parts: SS316, Carp-42
Bellows: Inconel, AM-350
Elastomers: Flexible Graphite
Rotary Face: SiC, TC, Carbon
Stationary Face: SiC, TC

SEALING FACES:

Rotary Face: SiC (Silicon Carbide), TC (Tungsten Carbide). Stationary Face : SiC (Silicon Carbide), TC (Tungsten Carbide), Carbon (Graphite or Carbon-filled materials).

TRANS-GPB- GROMMET PTFE BELLOW SEAL

KEY FEATURES:

TYPICAL APPLICATIONS:

- Corrosive Liquids: Suitable for handling corrosive liquids, such as: Acids, Bases, Solvents.
- Clear Acids: Ideal for handling clear acids, including: Hydrochloric acid, Sulfuric acid, Nitric acid.
- Corrosive Salt Solutions: Can handle corrosive salt solutions, including : Brine solutions, Sea water, Acidic salt solutions.

ELASTOMERS:

Fluoroelastomers: Viton (FKM), Aflas (FEPM), FFKM (Perfluoroelastomer)
Hydrocarbon Elastomers: Nitrile (NBR), Neoprene (CR). Silicone Elastomers: Silicon (VMQ) Other Elastomers: EPDM (Ethylene Propylene Rubber), PTFE (Polytetrafluoroethylene), STV (Fluorosilicone).

SEALING FACES:

Rotary Face: HTB (High-Temperature, Bellows): Carbon, SiC, GFT, PTB (Pusher-Type Bellows): GFT.
Stationary Face: SiC, Ceramic.



TRANS- GRB- GROMMET REVERSE BALANCE SEAL

KEY FEATURES:

TYPICAL APPLICATIONS:

- Corrosive Liquids: Suitable for handling corrosive liquids, such as:
- Acids, Bases, Solvents.
- Clear Acids: Ideal for handling clear acids, including: Hydrochloric acid, Sulfuric acid, Nitric acid.
- Corrosive Salt Solutions: Can handle corrosive salt solutions, including : Brine solutions, Sea water, Acidic salt solutions.

MATERIALS SELECTION:

Metal Parts:
SS316 (Stainless Steel), Alloy-20 (Nickel Chromium alloy), Hast-C (Nickel-Chromium Molybdenum alloy) Elastomers: Viton (FKM), Neoprene (CR), Silicon (VMQ), Aflas (TFE/P), EPDM (Ethylene Propylene Diene Monomer), NBR (Nitrile Butadiene Rubber), FFKM (Perfluoroelastomer), STV (Fluorosilicone).

SEALING FACES:

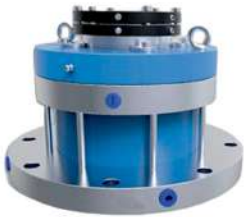
Rotary Face: SiC (Silicon Carbide), Carbon Stationary Face: SiC (Silicon Carbide), TC (Tungsten Carbide), Ceramic.





TRANS- AMS- VERSATILE AGITATOR SEAL

KEY FEATURES:



TYPICAL APPLICATIONS:

- General chemicals and its vapour, Food products, Pharmaceuticals product, Light Hydrocarbon and its vapour, Petrochemicals and its vapours.
- Corrosive Salt Solutions: Can handle corrosive salt solutions.

ELASTOMERS:

Metal Parts:
SS316 (Stainless Steel), Alloy-20 (Nickel-Chromium alloy), Hast-C (Nickel-Chromium-Molybdenum alloy)
Elastomers: Viton (FKM), Neoprene (CR), Silicon (VMQ), Aflas (TFE/P), EPDM (Ethylene Propylene Diene Monomer), NBR (Nitrile Butadiene Rubber), FFKM (Perfluoroelastomer), STV (Fluorosilicone).

SEALING FACES:

Rotary Face: SiC (Silicon Carbide), Carbon Stationary Face : SiC (Silicon Carbide), TC (Tungsten Carbide), Ceramic.

TRANS- AMS- DRY RUNNING SEAL

KEY FEATURES:

TYPICAL APPLICATIONS:

- General chemicals and its vapour, Food products, Pharmaceuticals product,
- Corrosive Salt Solutions: Can handle general light chemicals.

MATERIALS SELECTION:

Metal Parts:
SS316 (Stainless Steel), Alloy-20 (Nickel-Chromium alloy), Hast-C (Nickel-Chromium-Molybdenum alloy)
Elastomers: Viton (FKM), Neoprene (CR), Silicon (VMQ), Aflas (TFE/P), EPDM (Ethylene Propylene Diene Monomer), NBR (Nitrile Butadiene Rubber), FFKM (Perfluoroelastomer), STV (Fluorosilicate).

SEALING FACES:

Rotary Face: SiC (Silicon Carbide), Carbon
Stationary Face: Viton / PTFE / TTV / FMK





TranspumpServ
GLOBAL PVT LTD

DISCOVER THE NEXT LEVEL

of sealing solutions for industrial applications! Our comprehensive range of seals, including versatile cartridge seals and specialized grommet designs, ensures optimal performance in high-pressure, high-temperature, and corrosive environments. From single to double seals, we provide the reliability and innovation your systems need. Get in touch with us today for the perfect sealing solution for your operations.



CONTACT US

Transpumpserv Global Private Limited

+91 7016539529

info@transpumpservglobal.com

www.transpumpservglobal.com

Vadodra, Gujarat, india

VADODRA | SURAT | MUMBAI | DELHI | PUNE

