

## SPECIFICATIONS:-

- Capacity up to - 8 M3/HR
- Head up to - 5 BAR
- Connections size- 1" to 2"
- Connection type- TC, SMS & IDF
- Temperature range- 20° C to 107° C
- Viscosity up to- 10000 CST

## FEATURES:-

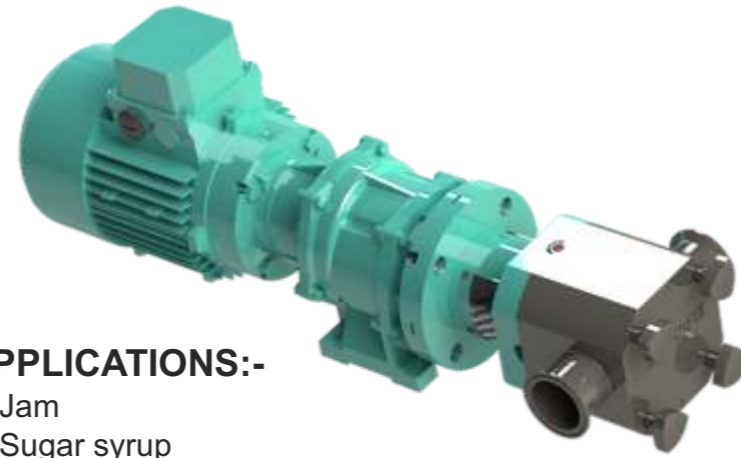
- Various seal options
- Various mounting options
- Hygienic wetted parts
- No sharp corners
- Surface finish options upto 0.4 micron Ra
- Front loading seal design
- Bidirectional flow
- Jacketing options available
- Cipable
- No Rotor Timing
- No Oil Changing
- No Shimming required

## COMPONENTS:-

- Pump Housing Options: Stainless Steel 316 & 316L
- Head Cover Options: Stainless Steel 316 & 316L
- Rotor Options: Stainless Steel 316 & 316L
- Idler Options: Stainless Steel 316, 316L & Nitronic 60
- Idler Pin Options: Stainless Steel 316 & 316L
- Idler Bushing Options: Carbon Graphite & Ceramic
- Sealing Options: Single Seal SIC/SIC or TC/TC, Double Seal SIC/SIC or TC/TC
- Elastomer Options: EPDM, FKM, PTFE, Kalrez, Perflouro elastomer etc.

## ADVANTAGES:-

- Can be mounted in different positions as per existing pipe line
- No Bearing so no need for frequent bearing lubrication, reduce down time.
- Small foot print idle for SKID mounted applications
- All hygienic wetted parts
- Unique axial and radial clearance to ensure no jamming of the pump.
- No sharp corners to ensure no material deposition
- Higher surface finish upto 0.4 micron Ra, to ensure the hygiene ability is of the highest standard
- Less time in changing seals due to front loading seal design
- Greater independency during cleaning due to bidirectional flow
- Fully cipable and therefore, hygienic



## APPLICATIONS:-

- Jam
- Sugar syrup
- Suspensions
- Alcohols & solvents
- Honey
- Edible oils & vegetable oil
- Paraffin wax
- Soap & surfactants
- Acids & Caustics
- Water- based liquids
- Dairy Products

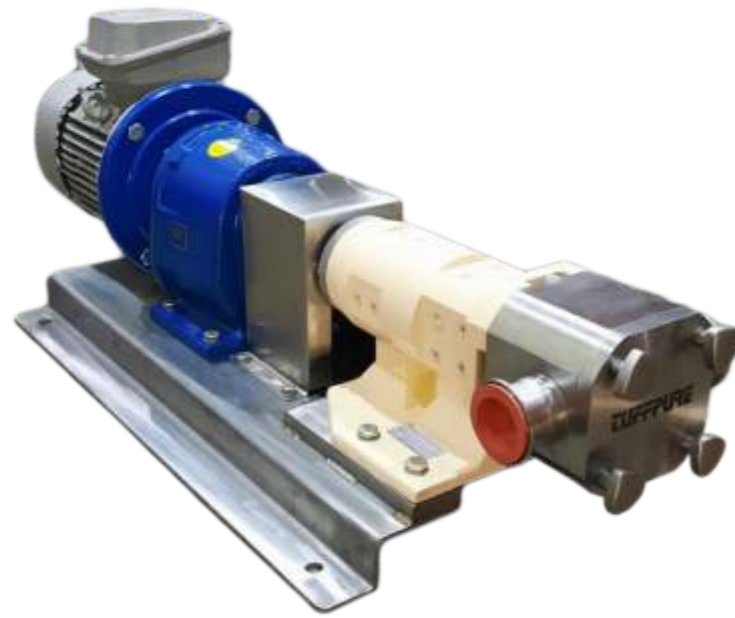
**TUFFPURE**<sup>®</sup>  
HYGIENIC PUMPS

**The Perfect Pump  
For Hygienic Applications**



**SPECIFICATIONS:-**

- Capacity up to - 35 M3/HR
- Head up to – 10 BAR
- Connections size — 1” to 3”
- Connection type – TC, SMS, IDF & Flange
- Temperature range– 20 °C to 107 °C
- Viscosity up to– 21500 CST



**ADVANTAGES:-**

- The single shaft design reduces the chances of leakage by 50%!
- Versatile application range due to various seal options
- Can be mounted in different positions as per existing pipe line
- No need for frequent bearing lubrication as they are sealed & lubricated for life
- All hygienic wetted parts in SS316L
- Unique axial and radial clearance to ensure no jamming of the pump.
- No sharp corners to ensure no material deposition
- Higher surface finish upto 0.4 micron Ra, to ensure the hygiene ability is of the highest standard
- Less time in changing seals due to front loading seal design
- Greater independency during cleaning due to bidirectional flow
- Fully cipable and therefore, hygienic



**COMPONENTS:-**

- Pump Housing: Stainless Steel 316L
- Head Cover: Stainless Steel 316L
- Rotor: Stainless Steel 316L
- Idler Options: Stainless Steel 316L & Nitronic 60
- Idler Pin: Stainless Steel 316L
- Idler Bushing Options: Carbon Graphite, Ceramic
- Sealing Options: Single Seal SIC/SIC or TC/TC, Double Seal SIC/SIC or TC/TC with Outboard C/SIC
- Elastomer Options: EPDM, FKM, PTFE, Kalrez, Perfluoro elastomer etc.

**FEATURES:-**

- Single shaft design
- Various seal options
- Various mounting options
- Sealed for life bearings
- Hygienic wetted parts
- Unique clearance design
- No sharp corners
- Surface finish options up to 0.4 micron Ra
- Front loading seal design
- Bidirectional flow
- Jacketing options available
- Cipable

**APPLICATIONS:-**

- Jam
- Sugar syrup
- Suspensions
- Alcohols & solvents
- Honey
- Edible oils & vegetable oil
- Paraffin wax
- Soap & surfactants
- Acids & Caustics
- Water- based liquids
- Dairy Products
- Chocolate
- Shampoo
- Face Wash

Chocolates



Edible Oils & Nut Butter



Chemicals



Personal Care



Dairy



Confectioneries & Sweeteners



Meat



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