# SCREW PUMP

## APPLICATIONS

•The main components which characteri ze the pump are a metallic single helical rotary part ROTOR and fixed double helical resilient polymer part STATOR in which the rotor turns and thereby a complex progressive sealing line (cspl) is maintanined. Whilst the rotor rotates inside the stator, the cavities formed between them progresses from suction to discharge end, gently carrying the media.

## DRIVE ARRANGEMENTS

•DIRECT drive lectric motor, geared motor, gear box, Mechanical Speed Variator, Eddy Current DC Drive, Hydraulic, Pneumatic, Petrol & Diesesl Engines.

• For accurate and variable flow rates, AC Variable frequenc Drives can be used.

## SPECIFICATION

- **Flow Rate** : UP TO 100 M̊ / Hr
- Differential Pressure 24 Bar

(for more system pressures, contact factory assistance)

- **Viscosity** : UP TO 1,00,000 cst
- **Temperature** : UP TO 150°C
- **Suction Lift** : 8 mlc Max

## MATERIAL OPTIONS

- **Housing Parts** : AISI304, AISI316, AISI316L
- **Rotor & Shaft** : AISI304, AISI316, AISI316L
- **Stator** : NBR, HNBR, EPDM, CSM, Q

white, food grade, abrasion resistant & high temperature resistant variants.

# TRIPLE SCREW PUMP & TWIN SCREW PUMP

## FEATURES

•Separate Screw and Shaft Assembly.
• Combination of material possible for screw & shafts.
• Independent Material of construction for Screw & Shaft respectively.
• Replacement needed for damaged part only.
• Change in performance characteristics possible by changing screws only.
• Change in pump design possible from long shaft to small shaft and Vice versa.
• Compact Design.
• Extremely good suction capability.
• Various Combinations Of Materials available.
• Pumps With Replaceable Liners.
• Partial/Full Heating Jacket Available In Various Designs.
• Different Sealing Arrangements Possible.
• Low NPSH Requirement.
• Casing Available in different Cast And Fabricated Design.
• Low maintenance cost.

## APPLICATIONS

• Triple Screw Pumps with external or internal bearing are available in horizontal or vertical constructions, with or without heating arrangements and have single mechanical seals for shaft sealing.
• They handle all neutral lubricating liquids, have a compact space saving design and are self priming. Due to the precise manufacture of the screws and their profile, the possibility of getting a high suction lift is ensured. They operate continuously and run noiselessly.