

Progressive Cavity Pump for Viscous Fluids

This screw pump is designed to transport various liquids, including neutral, corrosive, clean, or abrasive fluids. It is also suitable for liquids containing gas, prone to bubble formation, or with high or low viscosity, even those containing fiber and solid substances.



Product Overview



Diagram showing the positive displacement mechanism and standard components of the single screw pump.

Progressive Cavity Pump for Viscous Fluids

This positive displacement pump is engineered for the reliable transfer of neutral, corrosive, clean, or abrasive liquids. Its unique self-sealing design allows it to effectively handle high or low viscosity fluids, including those containing fibers or solid substances. Built for durability and efficiency, it is an ideal solution for demanding industrial sectors such as chemical processing, sewage treatment, and the food industry.

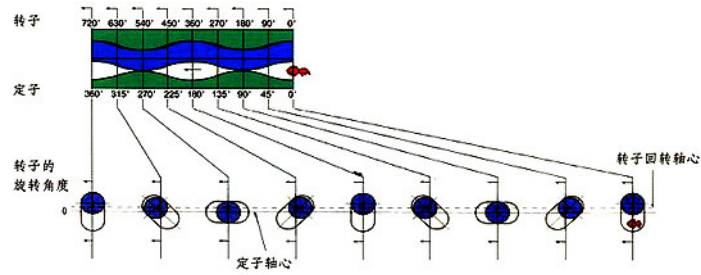
Performance Specifications

Maximum Flow Rate

300 m³/h
Max Flow

Maximum Pressure Difference	2.4 MPa
Maximum Operating Temperature	150 °C
Maximum Medium Viscosity	270000 cSt

Technical Features



Operational principle showcasing the rotor rotation relative to the stator for consistent fluid displacement.

Key Operational Features

- Excellent self-absorption capabilities
- Low pulsation and steady flow
- Reversible flow direction
- Shear-sensitive handling (gentle on fibers)
- Simple maintenance with minimal wear parts

Applications

Suitable Industries

Food Industry, Textile Industry, Petroleum Industry, Chemical Industry, Shipbuilding, Construction, Nuclear Industry, Metallurgy, Mining, Sewage Treatment