

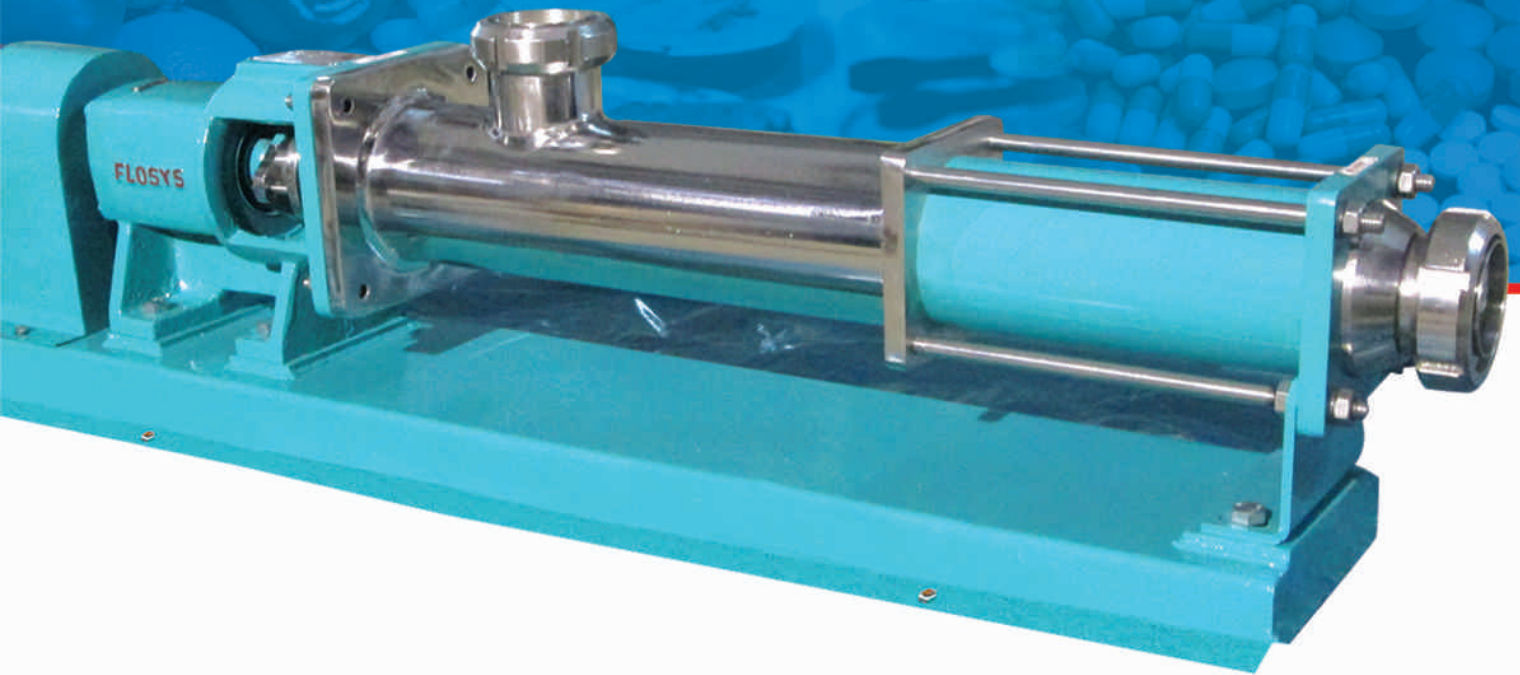
# FLOSYS PUMPS

Manufacturers of Industrial Pumps



## Enhance the performance and your confidence

Cost effective modular and compact design  
hygiene progressive cavity pumps



GL Systems Certification

An ISO 9001:2008 Certified Company

[www.flosys.in](http://www.flosys.in)

## The Company

Flosys is a market leader in manufacturing and supplying of comprehensive range of pumps that cater to the various industrial applications. We specialize in manufacturing and marketing of Progressive Cavity Pumps, Gear Pumps and replacement progressive cavity pumps parts. Our pumps are used to handle varieties of liquid like non viscous, viscous, corrosive, abrasive, high consistent, hygienic, fibrous, sludge, slurries with solid in suspension such as semisolids including Non Newtonian fluids. We provide tailor-made service that meets client's purpose at affordable prices. Our commitment to quality has earned us an enviable reputation worldwide.

## Basic Design & Pumping Principle

The pumping element comprises of a precision machined single external helical metallic rotor and a double internal helix elastomer stator. Due to special profile of rotor and stator, a sealing line is formed along the axis of the rotor, which is maintained at static or dynamic condition.

As the rotor turns with in the stator, these cavities progress from suction to discharge end of the pump carrying the fluid.

## Advantages

- Lengthy geometry
- Lower sliding velocity
- Higher capacity with lower rotor dia & eccentricity
- Increased service life
- Stability in pressure & flow due to longer sealing lines
- Reduced thrust loads on bearings & universal joint
- Reduced vibration, Turbulence, Shear rates & pulsation
- Smooth and even performance
- Improved overall efficiency
- Low NPSH R

## Salient Features

- Improved rotor and service geometry
- Cardan type universal joint
- Convenient inspection windows
- Easy drainage slope
- Sealing housing standardized to ISO 3069 sealing chamber type
- Optional shaft sleeve
- Taper roller bearing reversible.

## Applications



Dairy



Food Industry



Pharmaceutical

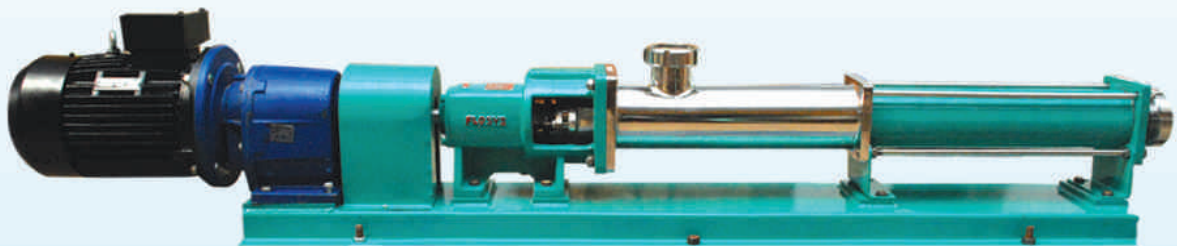


Fruits & Vegetables



Confectionery Industry

## FSS - Series (Hygiene Sanitary Design)



- Non contaminant elements
- No retaining pockets
- Cleaning - in place (CIP)
- High suction lift
- Gentle handling
- Non clogging
- Versatility
- Easy maintenance

### TECHNICAL SPECIFICATION

Flow rate	: up to - 200M <sup>3</sup> /hr
Pressure	: up to - 48 kg/cm <sup>2</sup>
MOC	: Pump body AISI 304/316 Wettable part AISI 304/316
Stator	: NCP - NBR, EPDM Silicon Viton

# Our Strengths

- ◆ Market-driven Products
- ◆ Customer-focused Solutions
- ◆ Unparalleled Levels Of Service
- ◆ Timely Delivery Of Products
- ◆ Precise & Highly Durable

www.flosys.in

## FSH - Series (Industrial Wide Throat Pumps)



- Wide throat inlet with hopper
- Versatility
- Non clogging
- Easy maintenance
- Torsion free metal bonded stator

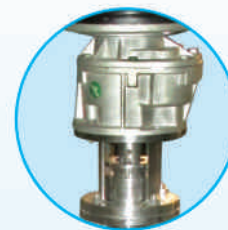
### TECHNICAL SPECIFICATION

Flow rate	: up to - 200M <sup>3</sup> /hr
Pressure	: up to - 48 kg/cm <sup>2</sup> (max)
MOC	: Pump body AISI 304/316 Wettable part AISI 304/316
Stator	: NCP - NBR, EPDM Silicon Viton

## Vertical Sanitary Design



- Gentle handling
- No clogging
- No retaining pockets
- Easy maintenance
- Versatility



### TECHNICAL SPECIFICATION

Flow rate	: up to - 100M <sup>3</sup> /hr
Pressure	: up to - 24 kg/cm <sup>2</sup>
MOC	: Pump body AISI 304/316 Wettable part AISI 304/316
Stator	: NCP - NBR, EPDM Silicon Viton

# World Class Pumps



design © alfine, 09445 24207



## **FLOSYS PUMPS**

Manufacturers of Industrial Pumps

**An ISO 9001:2008 Certified Company**

No.90, Sidco Industrial Estate  
Malumichampatti Post, Coimbatore-641 050  
Tamil Nadu, INDIA

☎ +91 422 3232810, 2655030  
✉ info@flosys.in, sales@flosys.in  
🌐 www.flosys.in