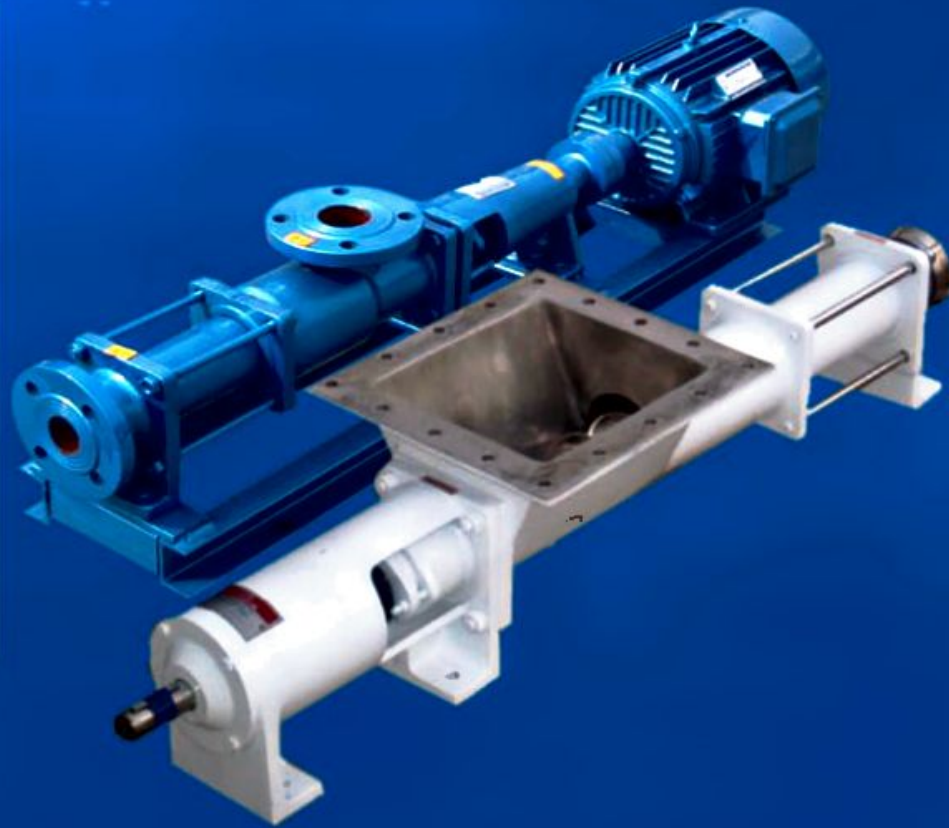


# **B.K. TECHNICALS & FABRICATORS**

PROGRESSIVE CAVITY PUMPS

An ISO 9001:2015 Certified Company



BKFS HYGIENIC SERIES



# **B.K. TECHNICALS & FABRICATORS**

Manufacturer of Progressive Cavity Pumps  
Umesh Sharma (Proprietor)

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Contact No.: +91-9795359888, 7880967129

F-92, Site No. 5, Udyog Kunj, Kanpur, Uttar Pradesh, India

|                       |   |
|-----------------------|---|
| FLOW RATE             | Upto 100 M3/Hr  |
| DIFFERENTIAL PRESSURE | Upto 12 bar (for more system pressures, contact factory assistance) |
| VISCOSITY             | Upto 100,000 cSt  |
| TEMPERATURE           | Upto 150 deg. C   |

## PRINCIPLE

The main components which characterise 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 maintained. Whilst the rotor rotates inside the stator, the cavities formed between them progresses from suction to discharge end, gently carrying the media.



**Cavity Movement at Different Rotor Settings**

## UNIVERSAL JOINT

User friendly, completely sealed pin & bush joints for a longer service life.

## DRIVE ARRANGEMENTS

### DIRECT DRIVE

Electric Motor, Geared Motor, Gear Box, Mechanical Speed Variator, Eddy Current DC Drive, Hydraulic, Pneumatic, Petrol & Diesel Engines.

For accurate and variable flow rates, AC variable Frequency Drives can be used.

## SHAFT SEALING

For variety of gland packed & mechanical seal options with API plan.

## PULLEY & V-BELT DRIVE

Overhead & 'L' Type

## MATERIAL OPTIONS

|               |  |
|---------------|--|
| HOUSING PARTS | AISI 304, AISI 316, AISI 316L  |
| ROTOR & SHAFT | AISI 304, AISI 316, AISI 316L  |
| STATOR        | NBR, HNBR, EPDM, CSM, Q, WHITE, FOOD GRADE, ABRASION, RESISTANT & HIGH TEMPERATURE RESISTANT VARIANTS. |

## INDUSTRIES

Breweries, Canning, Chocolate, Coffee & Tea, Confectionary, Cosmetics, Dairy, Food & Fruit Processing, Gelatin, Glucose, Ice Cream, Laboratories, Medicines, Pharmaceuticals, Starch, Sweets, Winery, etc.

## FLUIDS HANDLED

Amla Pulp, Beer, Beverages, Butter, Butter Oil, Casein, Chocolates, Creams, Curd, Demineralised water, Diced Vegetables, Edible Oils, Fruit Pulp, Cubes & Juices, Glucose, Ghee, Honey, Ice Creams Mix, Instant Coffee & Tea, Jams, Liquid Glucose, Milk, Tooth Pastes, Tomato Ketchup, Refined Oil, etc.

## ADVANTAGES

- POSITIVE DISPLACEMENT
- SELF PRIMING
- NON CLOGGING
- LOW INTERNAL VELOCITY
- LOW NPSH REQUIREMENT
- REVERSIBLE
- SILENT RUNNING

## INTEGRAL SAFETY RELIEF VALVE

Recommended for plant safety wherever the possibility of the pump running against a close valve or in-line blockade exists.