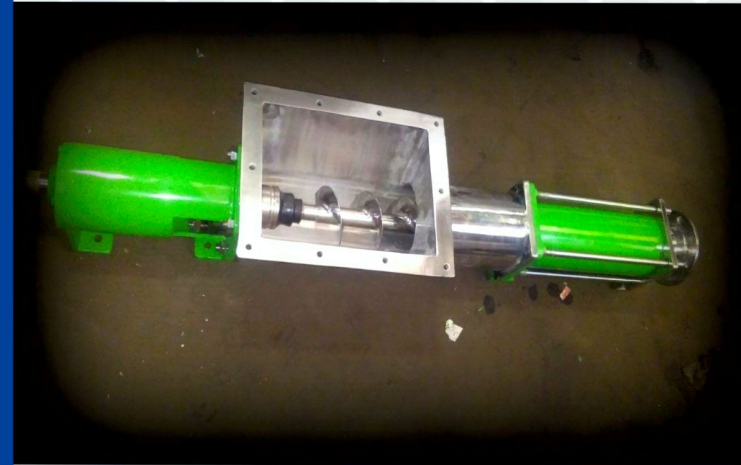


An ISO 9001:2015 Certified Company

B.K. TECHNICALS & FABRICATORS

PROGRESSIVE CAVITY PUMPS



BKWI
INDUSTRIAL SERIES

INDUSTRIES

- | | |
|--|---|
| <ul style="list-style-type: none">• Agricultural• Mining• Cattle Feed• Palm Oil• Cosmetics & Toiletries• Printing Ink• Electronics• Soap & Detergent• Fisheries• Sugar• Waste Water Management | <ul style="list-style-type: none">• Malt and cocoa• Paint & Varnish• Ceramics and refractory• Sewage Treatment• Effluent Treatment• Brewery & Distillaries• Edible Oil• Starch• Chemical and process• Oil Exploration• Petrochemical & Refinery |
|--|---|

Flow Rate

Upto 100 M3/Hr

Differential Pressure

12 Bar

Viscosity

Upto 1-50,00,000 cSt

Temperature

Upto 200 deg. C

MATERIAL OF CONSTRUCTION

WETTABLE HOUSING COMPONENTS

Fabricated Steel, Fabricated Stainless Steel

ROTOR

Alloy Steel, Tool Steel, Stainless Steel, Alloy 20, Hastelloy C/B

ROTATING PARTS

Alloy Steel, Stainless Steel, Hastalloy C, Duplex SS

STATOR

Natural, Nitrile, Neoprene, EPDM, Hypalon, HNBR, Silicone, Fluoroelastomer etc.

SEALS

Gland Packed or Single/Double Mechanical Seals.

B.K. TECHNICALS & FABRICATORS

Manufacturer of Progressive Cavity Pumps
Umesh Sharma (Proprietor)

Website : www.bkpump.in • Email : info@bkpump.in

Contact No.: +91-9795359888, 7880967129

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

PRINCIPLE

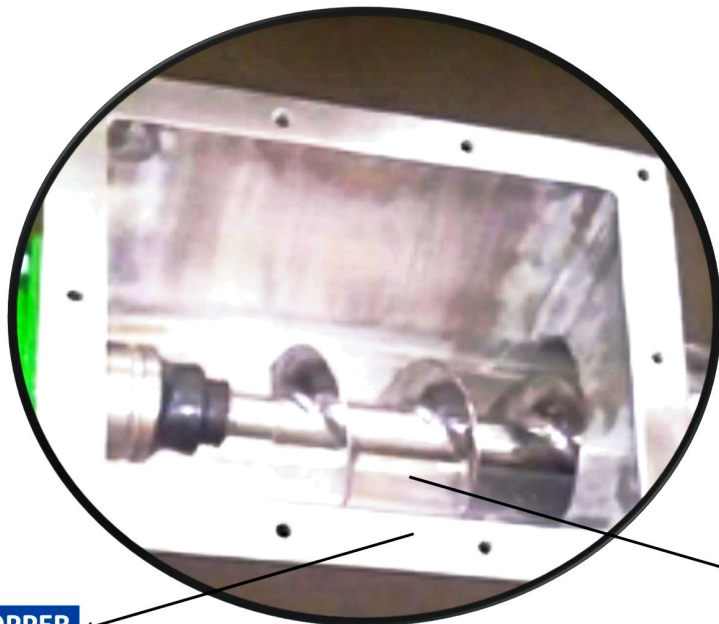
The main components which characterise the pump are a metallic single helical rotary part ROTOR and fixed double helical resilient polymer part STATOR in which the rotor turns and thereby a complex progressive sealing line (cpsl) is maintained. Whilst the rotor rotates inside the stator, the cavities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

ADVANTAGES AND CHARACTERISTICS

- ◇ Steady, low-pulsation pumping
- ◇ High self-priming rate
- ◇ Non-Clogging
- ◇ Can work on Snore : inherently self priming
- ◇ High Suction lift : low NPSH[®], effective in high vacuum conditions
- ◇ Minimal Internal Wear
- ◇ Handles Abrasive, shear sensitive and viscous materials, solids in suspension.

BKWI SERIES

A Wide-Throat design ensures that the media enters the pump cavity easily by avoiding any clogging at the suction end, the Media flow-ability is maintained using a screw conveyor better known as an 'Auger'. These are tailor made for very high viscous media, generally with a higher concentration of solids.



HOPPER

AUGER



BKSP
INDUSTRIAL
&
CHEMICAL SERIES

INDUSTRIES	Fluids Handled
<ul style="list-style-type: none"> • Sewage • Effluent & Water • Distillery & Brewery • Pulp & Cellulose • Chemicals • Ceramics & Refractories • Starch Factories • Edible Oil • Soap & Detergent • Palm Oil • Cosmetic & Toiletries 	<ul style="list-style-type: none"> • Digested Sewage Sludge • Industrial Effluents • Flocculants • Magma • Coating Slurry • Edible Oil • Rice Bran Oil • Soap Stock • Lube Oil • Maize Slurry • Poly Electrolytes

Flow Rate	Upto 100 M3/Hr
Differential Pressure	12 Bar
Viscosity	Upto 100,000 cSt
Temperature	Upto 150 deg. C

MATERIAL OPTIONS

HOUSING PARTS

Cast Iron , Cast Steel, CF8, CF8M, CF8ML, Alloy20, Hastelloy.

ROTOR & SHAFT

Ni-Cr, Nitrided Steel, Tool Steel, AISI410, AISI304, AISI316, Hardened & Hard Chrome Plated.

STATOR

NR, IIR, NBR, HNBR, EPDM, CR, CSM, Q, CFM, FKM in black, white, food grade, abrasion resistant & high temperature resistant variants.

SHAFT SEALING

Variety of gland packed & mechanical seal options .

ADVANTAGES

- | | |
|---|---|
| <ul style="list-style-type: none"> • NON CLOGGING • LOW NPSH REQUIREMENT • POSITIVE DISPLACEMENT • SILENT RUNNING | <ul style="list-style-type: none"> • LOW INTERNAL VELOCITY • REVERSIBLE • SELF PRIMING |
|---|---|