

# B.K. TECHNICALS & FABRICATORS

*PROGRESSIVE CAVITY PUMPS*

An ISO 9001 : 2015 Certified Company

## BKWI INDUSTRIAL SERIES



### INDUSTRIES

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

<b>Flow Rate</b>	Upto 100 M3/Hr
<b>Differential Pressure</b>	12 Bar
<b>Viscosity</b>	Upto 1-50,00,000 cSt
<b>Temperature</b>	Upto 200 deg. C

<b>MATERIAL OF CONSTRUCTION</b>	
<b>WETTABLE HOUSING COMPONENTS</b>	
Fabricated Steel, Fabricated Stainless Steel	
<b>ROTOR</b>	
Alloy Steel, Tool Steel, Stainless Steel, Alloy 20, Hastelloy C/B	
<b>ROTATING PARTS</b>	
Alloy Steel, Stainless Steel, Hastalloy C, Duplex SS	
<b>STATOR</b>	
Natural, Nitrile, Neoprene, EPDM, Hypalon, HNBR, Silicone, Fluoroelastomer etc.	
<b>SEALS</b>	
Gland Packed or Single/Double Mechanical Seals.	

## **PRINCIPLE**

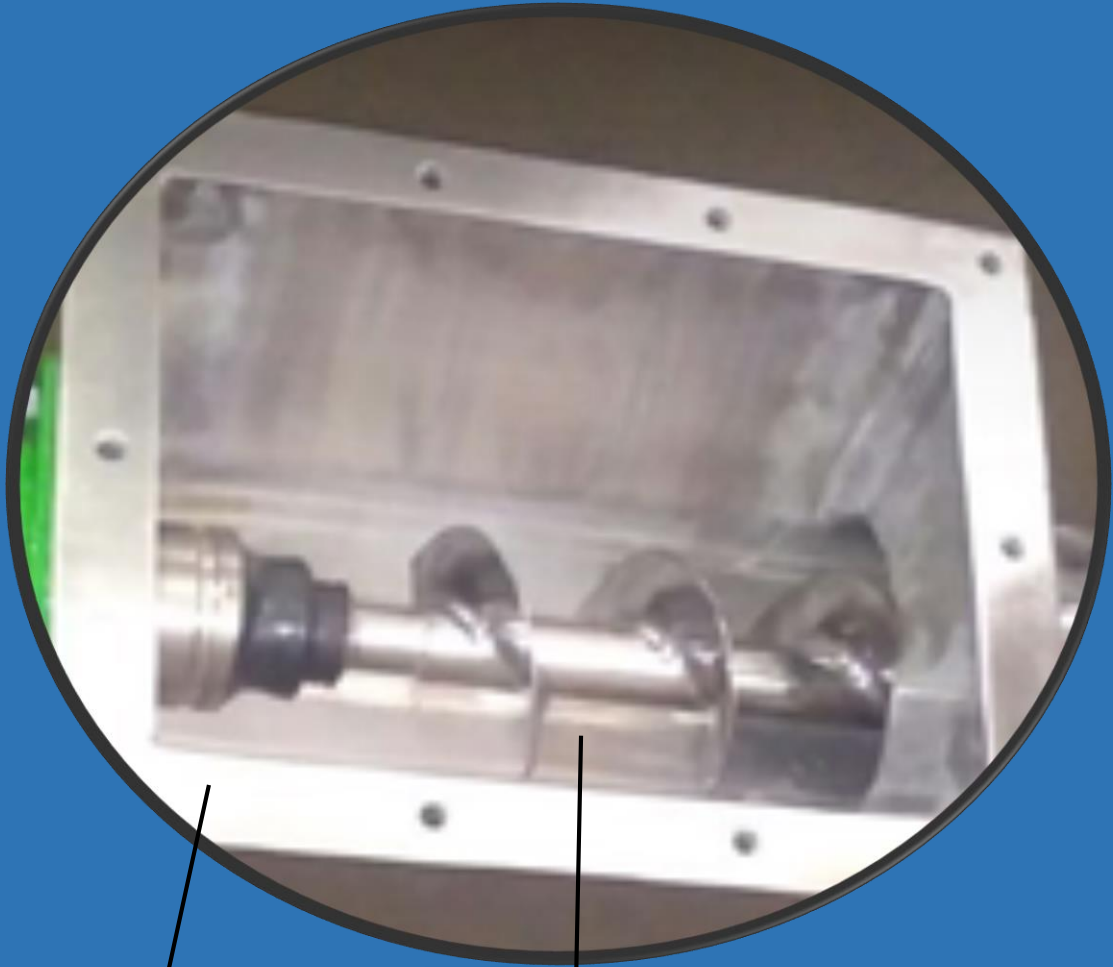
The main components which characterise the pump are a metallic single helical rotary part ROTOR and fixed double helical resilient polymer part STATOR in which the rotor turns and thereby a complex progressive sealing line (cpsl) is maintained. Whilst the rotor rotates inside the stator, the cavities 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<sup>®</sup>, 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**

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

Manufacturer of Progressive cavity  
pumps

Umesh Sharma (Proprietor)

Website: [www.bkpump.in](http://www.bkpump.in)

Contact No. : +91-9795359888, 7880967129

Contact Email : [info@bkpump.in](mailto:info@bkpump.in), [export@bkpump.in](mailto:export@bkpump.in)

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