



BSB ENGINEERING CO.

Self Priming Non Clog Pumps

Filter Press Side Suction Pumps

Centrifugal Back Pullout Pumps

Chemical Process Pumps

Polypropylene Pumps

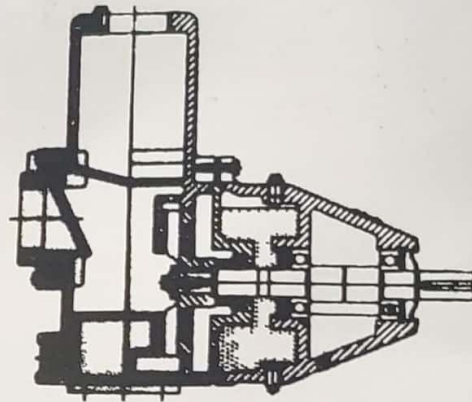
Gear Pumps

Mechanical Seals



BSP Series

Self Priming Non Clog Pump



APPLICATION:

- Effluent Treatment, Sewage Plants, Dyes and Intermediates.
- Dewatering Docks, Ports, Vessels, Swamps, Basements, Trenches, Construction Sites, Swimming Pools etc.
- Pumping Petroleum Products Like L.D.O., Diesel, Petrol, Kerosene etc.
- Transfer Of Chemicals, Solvents, Effluents, Hot Water, Chilled Water, Condensate Sites etc.

FEATURES:

- Graded Casting & EN-8 / SS 316 Shaft Increase Service Life.
- Minimum Need For Inspection And Maintenance Because Greased for Life, external lubrication.
- Drive Options Of electric Motor, Coupled Or Belt Drive Versions Or By Petrol / Diesel Engine.
- Perfect Sealing Assured By High Quality mechanical Seal Which Can Not Run Dry Because of in-pump Oil Reservoir

DESIGN:

- Perfect Selfpriming Action With Maximum Section Head Of 8 Meters.
- Back Pullout Design, Simplifies Inspection and Maintenance.
- Impellers With Wider Flow Passage Avoid Clogging And Can Handle Solids Up To 24 mm Diameter.
- Compact, Light Weight And Yet Rugged Construction.

MATERIAL OF CONSTRUCTION:

- IMPELLER : Cast iron / SS - 316, SS - 304 / Bronze or as per request
- PUMP CASING : Cast iron / SS - 316, SS - 304 / Bronze or as per request
- SHAFT : EN - 8 / SS - 316, SS - 304 or as per Request
- MECHANICAL SEAL : Carbon Vs Ceramic / Tc Vs With NBR / Viton / PTFE

RANGE:

- Capacity : Up 75 m³/ Hr.
- Head : Up 35 Mt.
- Suction Head : Up to 7.5 Mt
- Solids : Up to 24 mm Dia

For 50 HZ n = 2900 RPM

BSP	3	6	9	12	15	18	24	30	36	45	60	75	M ³ /HR	* SIZE	# MM	HP
11-3	15-2 0.43	13.7 0.55	11.5 0.83	9.9 0.68							*		Hmt Kw	1 1/4"	7.5	1.0
11-4	16.3 0.68	15.2 0.71	14.2 0.75	13.0 0.79	11.6 0.84	10.2 0.9								1 1/2"	12	1.5
12B-5	20.0 1.10	19.0 1.72	17.8 1.16	16.5 1.21	15.4 1.29	14.0 1.36	10.2 1.49							2"	10	2
12-5		19.8 1.10	18.9 1.17	18.0 1.22	17.1 1.29	16.1 1.36	13.7 1.58	10.3 1.73						2"	13	3
12-6				19.2 1.58	18.5 1.60	18.0 1.66	16.7 1.79	15.5 1.97	14.4 2.15	12.0 2.45	4.0 2.65			2 1/2"	20	5
14-8					22.5 2.7	22.0 2.8	21.0 3.0	20.5 3.2	19.8 3.4	18.5 3.8	15.0 3.8	10.2 3.8		80mm	24	7.5
15-6				29.0 2.85	28.0 2.95	27.0 3.05	25.0 3.25	23.0 3.25	20.8 3.7	16.0 3.65				2 1/2"	11	7.5
16-3	32.0 1.25	28.5 1.41	24.3 1.56	19.2 1.73	10.0 1.84									1 1/4"	6	3
16-6				35.0 3.55	34.5 3.7	34.02 3.2	34.4 4.25	31.0 4.8	29.0 4.95	22.5 5.3				2 1/2"	12	7.5

* SIZE = Suction-Discharge Ports. #MM = MAX Permissible Solid size

BFP Series Side Suction Pump



Technical Data

Head	: Up to 70 mtr.
Flow	: Up to 110 m ³ /hr.
Discharge Size	: 40 mm to 100 mm
Temperature	: 130°C
Speed	: Up to 2800 rpm
Pressure	: Up to 10 kg/Cm ²
M.O.C.	: C.I., C.S., SS-304 / 304L, SS316/316L, Bronze, Alloy-20, CD4MCU Hast alloy B & C, etc.

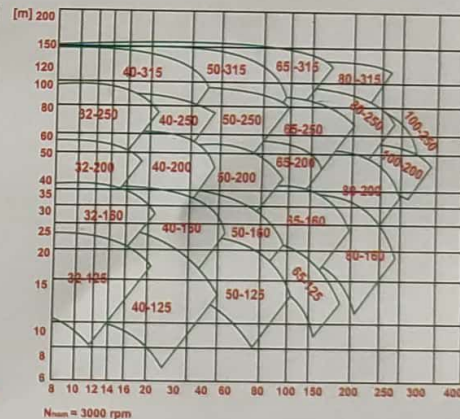
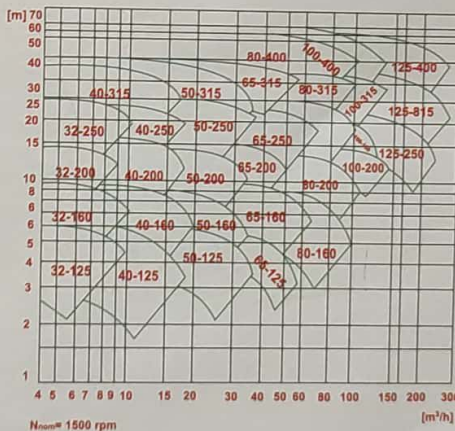
Application

- Filter Press feeding.
- Dyes & intermediates.
- Effluent treatment plant.
- Slurry transfer
- Paper and pulp, sugagr, and food.
- Steel rolling mills.
- Eva-operator, Scrubber application.

Features

- Special design semi open impeller.
- Reduce gland leakage.
- Single Stage Semi open impeller.
- Noise & maintenance free.
- Heavy duty shaft, Sleeve & bearings.
- Greases/oil lubricants bearings
- High efficiency low power consumption.

BCP Series Centrifugal Back Pullout Pump



APPLICATION:

Type Of Industries like chemical, textile, fertilizer, paper & pulp, petrochemical, food processing. Sugar, Starch, Refinery, Powder plant, dairy, pharmaceutical and bulk drugs, oil extraction etc.

CASING:

High efficiency volute type. suction and discharge nozzle as well as the supporting feet are cast integral with the casing

IMPELLER:

Enclosed type and accurately balanced dynamically. hydraulically balanced by back vanes and for large impellers by balancing holes.

SHAFT :

Three Shaft units cover complete range of BCP pumps. made of high tensile steel and accurately ground all over.

STUFFING BOX :

available with suitable gland packing. mechanical seal arrangement available upon request.

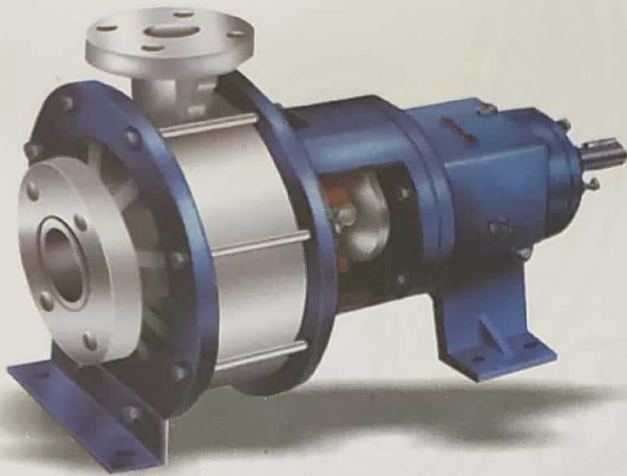
MATERIAL OF CONSTRUCTION:

IMPELLER	: Cast iron / SS - 316, Cast Steel / Bronze etc.
PUMP CASING	: Cast iron / SS - 316, Cast Steel / Bronze etc.
SHAFT / Sleeve	: SS-410 / SS - 316 - 304
SEALING	: Mechanical Seal / Gland Packing

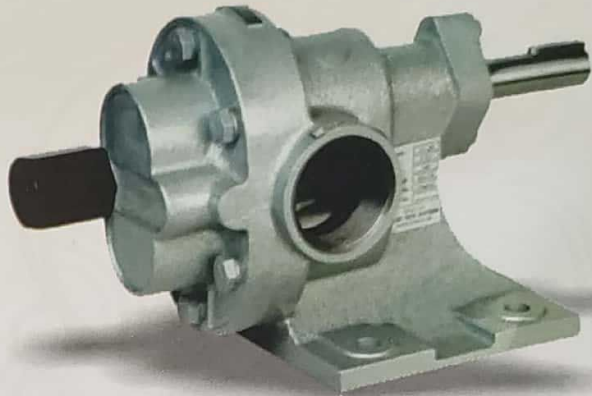
RANGE:

CAPACITY	: 400 M3 / Hr.
HEAD	: Up to 100mt.
Temperature	: Up to 350°C

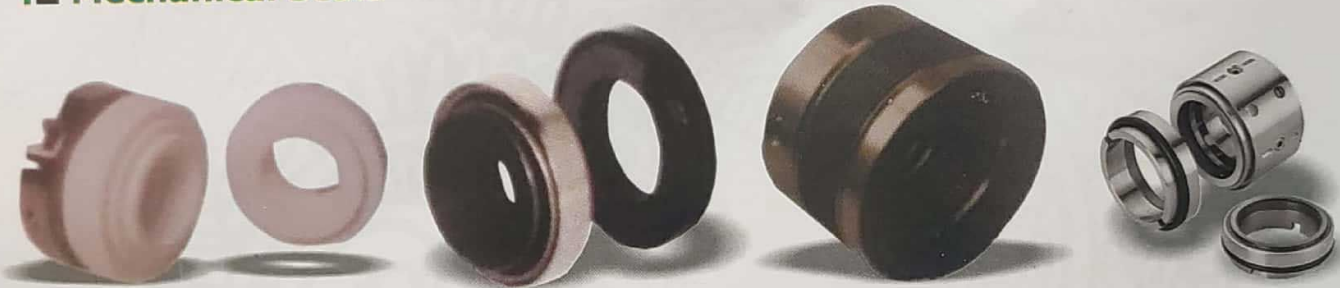
I ■ Polypropylene Pumps



I ■ Gear Pumps



I ■ Mechanical Seals



I ■ Mechanical Seals



I ■ Spare Parts



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