

SUBMERSIBLE - PUMP

**THE ONLY INDUSTRIAL PUMP THAT WON'T TAKE
CORROSION LYING DOWN**

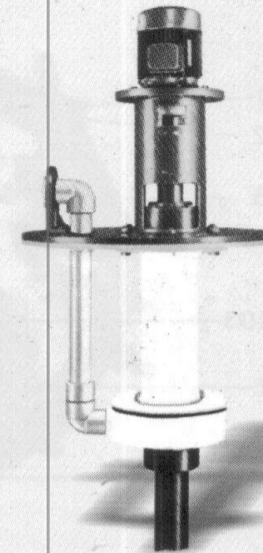
IMMERSION LENGTH

400-1600mm AT 1440 rpm

400-1200mm AT 2900 rpm

APPLICATION -

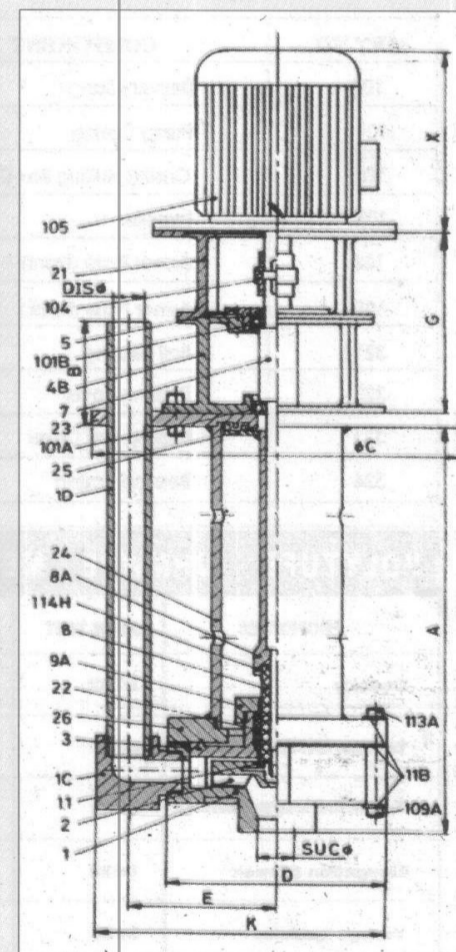
Chemical Industry, Electroplating Processes,
Waste water treatment, Neutralizing Processes
Transfer of acids and alkalis, Sugar, Bottling Plant,
Thermal Power Projects & Effluents Refining



SECTIONAL VIEW

The Chemical pump of plastic made by us is a submersible pump designed according to the well-known and successful two - pipe principle . In this case as single - stage vertical Centrifugal pump is concerned with over hang shaft Bearing are only situated above the Supporting flange - Impeller and Shaft are not aggressive fluid. Therefore, even abrasive liquid cannot create problems which normally have to be faced with bearings in the liquid

PART No.	QTY	PART NAME	MATERIAL
1	1	CASING	PP/UHMWPE
1C	1	DISCHARGE BRANCH	PP/UHMWPE
1D	1	PRESSURE PIPE	PP/UHMWPE
2	1	IMPELLER	PP/UHMWPE
3	1	BACK PLATE	PP/UHMWPE
4B	1	BEARING FRAME	CI
5	1	BEARING CUP	CI
7	1	SHAFT	SS
8	1	SLEEVE	CER HAST. B/C A 20 MONAL CARBON
8A	1	SHAFT PROTECTOR	PP/UHMWPE
9A	1	GLAND	PP/UHMWPE
11	1	GASKET	PTFE
11B	18/24	GASKET	PTFE
21	1	MOTOR FRAME	CI
22	1	OUTER BUSH BEARING	CFT CARBON CER
23	1	MOUNTING PLATE	PP/UHMWPE
24	1	COLUMN PLATE	PP/UHMWPE
25	1	LABYRINTH SEAL	PP/UHMWPE
101A	1	INBOARD BEARING	STEEL
101B	1	OUTBOARD BEARING	STEEL
104	1	COUPLING	CI
105	1	MOTOR	CI
109A	6/8	HEX. BOX	PP/STEEL
113A	6/8	NUT	PP/STEEL
114H	1	'O'RING	VITON NEOP HYP BUNA



Single stage centrifugal pump with bearing frame of vertical type, designed for trouble free operation, low maintenance and for structural reliability.

Casing, Impeller, back plate, etc. are made POLYTUFF

The column pipe is generously sized and thick in cross-section, to withstand the strains inherent in installation, removal and operation.

Labyrinth seal provides a positive sealing at the shaft to protect the bearing frame and the motor against noxious or corrosive vapours.

Impeller adjusting mechanism restores clearances, allowing optimized operation and efficiency with no need to pull or dismantle the pump. The simple, external mechanism conveniently located above the mounting plate for easy accessibility.

Mainly used for conveying corrosive and hazardous liquids from tanks, open basins or pits.

Ball bearings placed above the medium with large axial distance for smooth operation.

Designed for the roughest waste handling service.

Sleeve bearings are offered in a variety of materials like Ceramic (99.5%), Silicon carbide, Hastelloy, Alloy 20, Monel, Carbon filled PTFE, Carbon resin bonded, etc..

We have long years of experience in the field of pumps and allied equipments. To achieve the reliability of pumps in terms of greater efficiency and longer life, poltuff pumps has drawn on the experience of proven professional experts in pumps design .