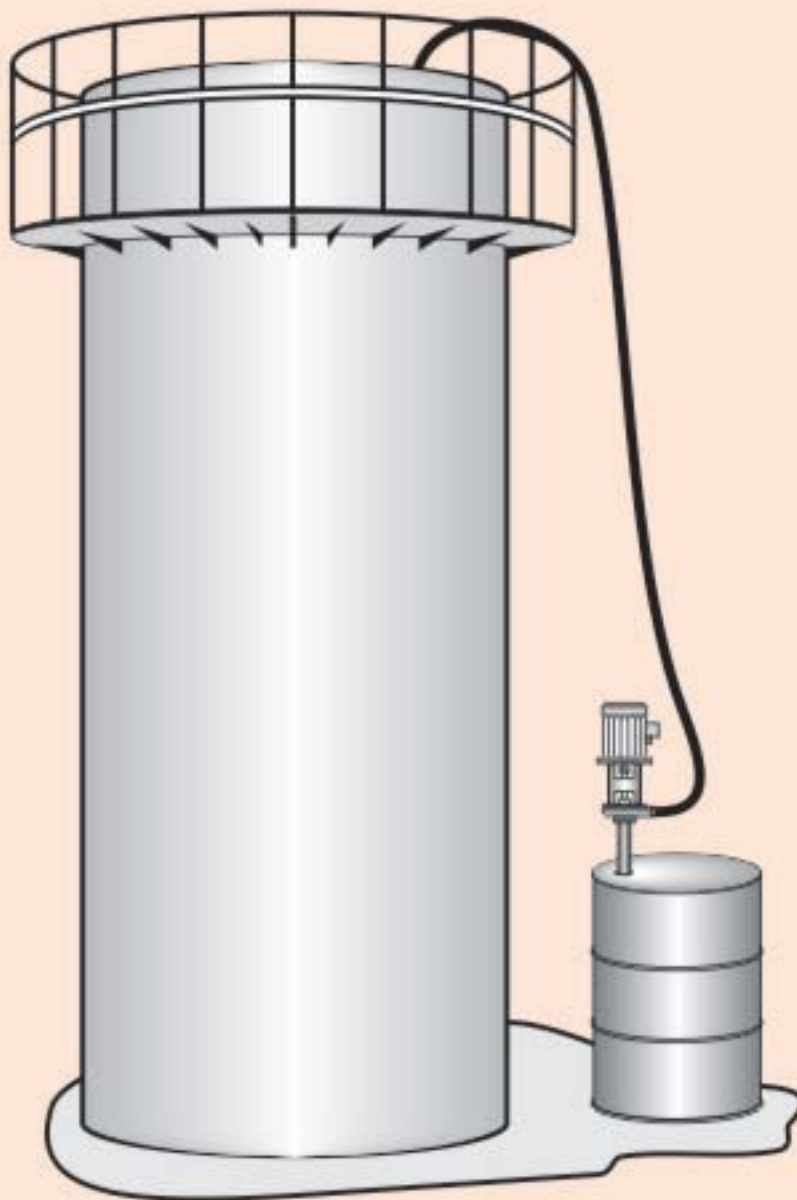


BARREL PUMPS



QUALITY CONTROL :

All the raw materials which go into the **'ENTITY'** Pumps are tested thoroughly for chemical and physical properties. Material tests such as magnetic particle test, dye penetration test, ultrasonic tests etc. are also offered as optional tests. All the parts manufactured on machines are thoroughly checked for dimensional accuracies with the help of standard measuring equipment. Each and every pump is tested rigorously in the testing laboratory where the parameters like rate of flow, head and power are measured. The pumps are cleared for the dispatch only when they produce satisfactory hydraulic and mechanical performance.

APPLICATIONS :

Transferring liquids from Drum / Container / Barrels to other large or small containers without the risk of spillage, toxic vapor inhalation, accident, injury or explosion.

RANGE :

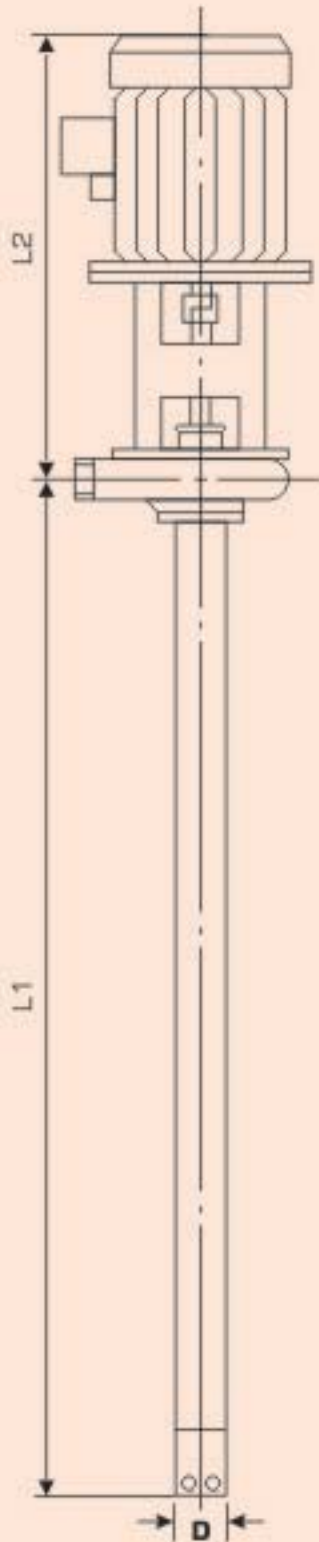
Head - upto 20 m
Rate of Flow - upto 150 lpm (9 m³/h)

MATERIAL OF CONSTRUCTION :

SS 316, other materials such as CI/MS, Aluminium, Hast 'C', PP, PVDF on request

ENTITY HYDRODYNAMICS

CONSTRUCTIONAL DETAILS



SALIENT FEATURES :

In order to avoid maintenance problems associated with conventional pumps due to their high speed in the range of 10000 to 12000 rpm, ENTITY Pumps are designed at slow speed of 2900 rpm. Due to this wear and tear of rotating parts is reduced to the minimum. This eliminates need of frequent maintenance. The pump is coupled with standard flange mounted electric motor (TEFC or Flame proof). Hence no need of specially designed high speed motor. The pumps are fitted with mechanical seals to avoid any leakage.

TECHNICAL DATA :

Model	Del. Size	Motor hp/rpm	L1 mm	L2 mm	Weight kg	Tube dia (D) mm
BP 20	¾" BSP	0.5/2900	900/700	430	16.9	42/48
BP 25	1" BSP	0.75/2900	900/700	450	17.8	42/48
BP 32	1.¼" BSP	1.0/2900	900/700	450	18.3	42/48

PERFORMANCE TABLE

Model	Head m (Flow Rate in lpm)										
	5	6	7	8	9	10	12	14	16	18	20
BP 20	100	80	70	60	50	20					
BP 25				100	80	70	50	20			
BP 32						150	130	105	80	60	30

OTHER PRODUCTS

We also manufacture pumps in following types -
Horizontal Back Pullout Chemical Process Pumps
Horizontal Self Aligned Chemical Process Pumps
Horizontal Self Priming Chemical Process Pumps
Horizontal Multistage Pumps
Horizontal Back Pullout Solid Handling Pumps
Vertical Submerged Pumps for Chemical Process Applications
Vertical Submerged Steam Jacketted Pumps
Vertical Submerged Solid Handling Pumps

Designed & Manufactured by :

Entity Hydrodynamics

Works : 3, Sonar Industrial Estate,

S. No. 13, Nanded Phata,

Off. Sinhagad Road,

Pune 411041.

Telefax : 24394871

Represented By