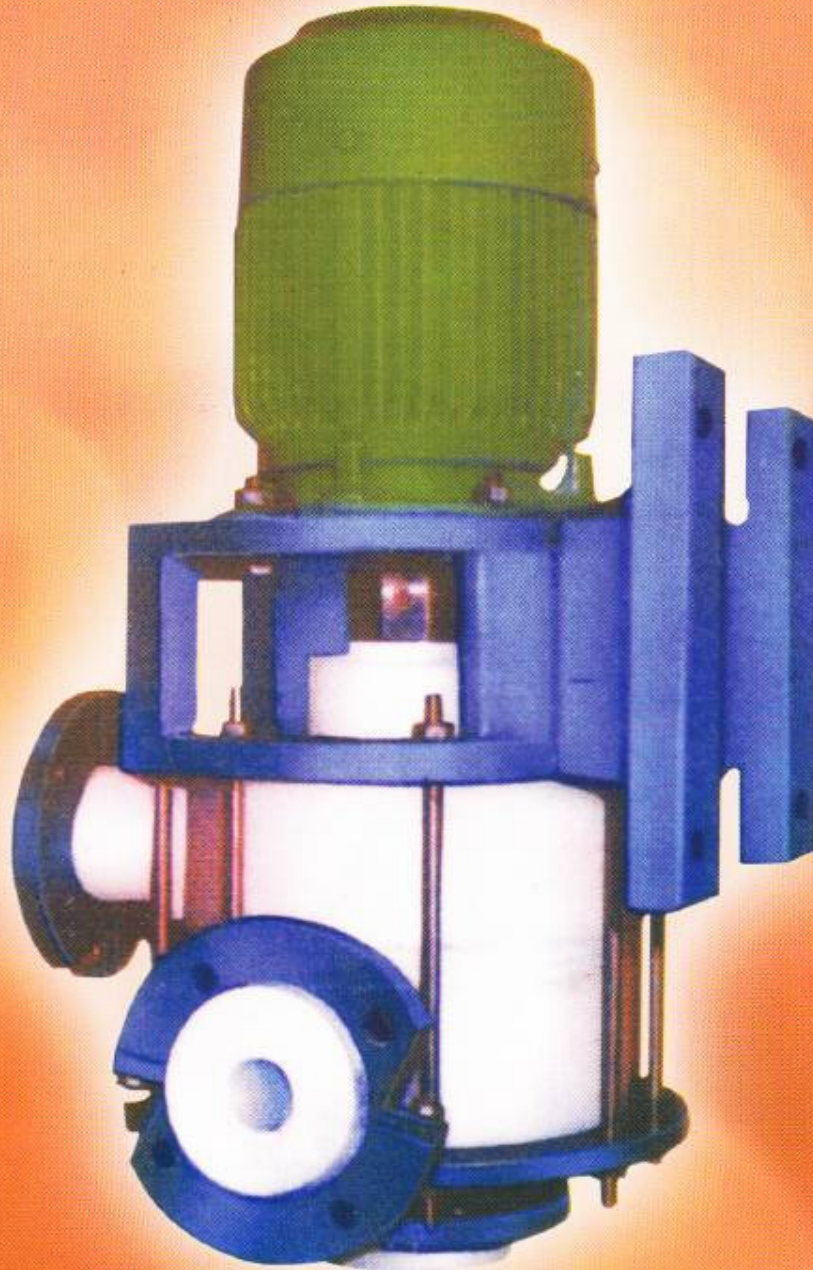


**THE ONLY VERTICAL GLANDLESS PUMP
EFFECTIVELY PUMPING CORROSIVE AND SLURRY MEDIA
EVEN UNDER ADVERSE CONDITIONS**



ORBIT PUMPS & SYSTEMS PVT. LTD.
SUCCESS THROUGH CUSTOMER SATISFACTION

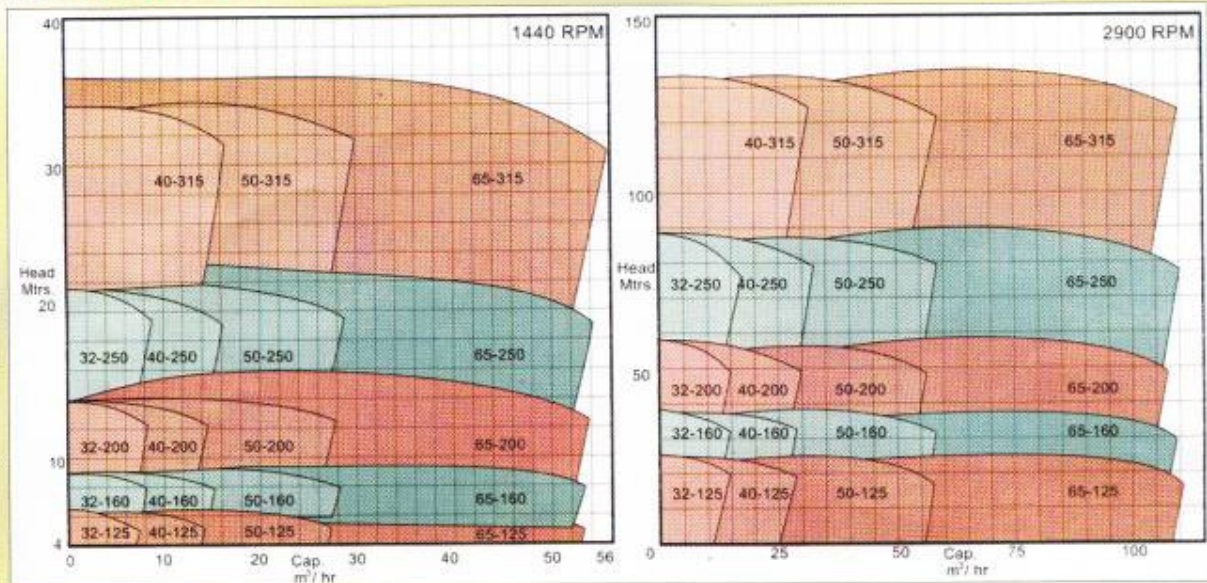
An ISO 9001-2008 Certified Company



UNIQUE FEATURES :

- It can run dry, without any substantial damage.
- Leakproof performance as eliminating usage of Mech. Seal / Gland Packing.
- Zero Maintenance.
- Low Inventory Cost.
- Compact Design as per ISO 2858 (DIN 24256).
- The only substitute for Submerged / Submersible / Self priming Horizontal Pumps.
- Reduction in down time production losses.

FAMILY CURVES



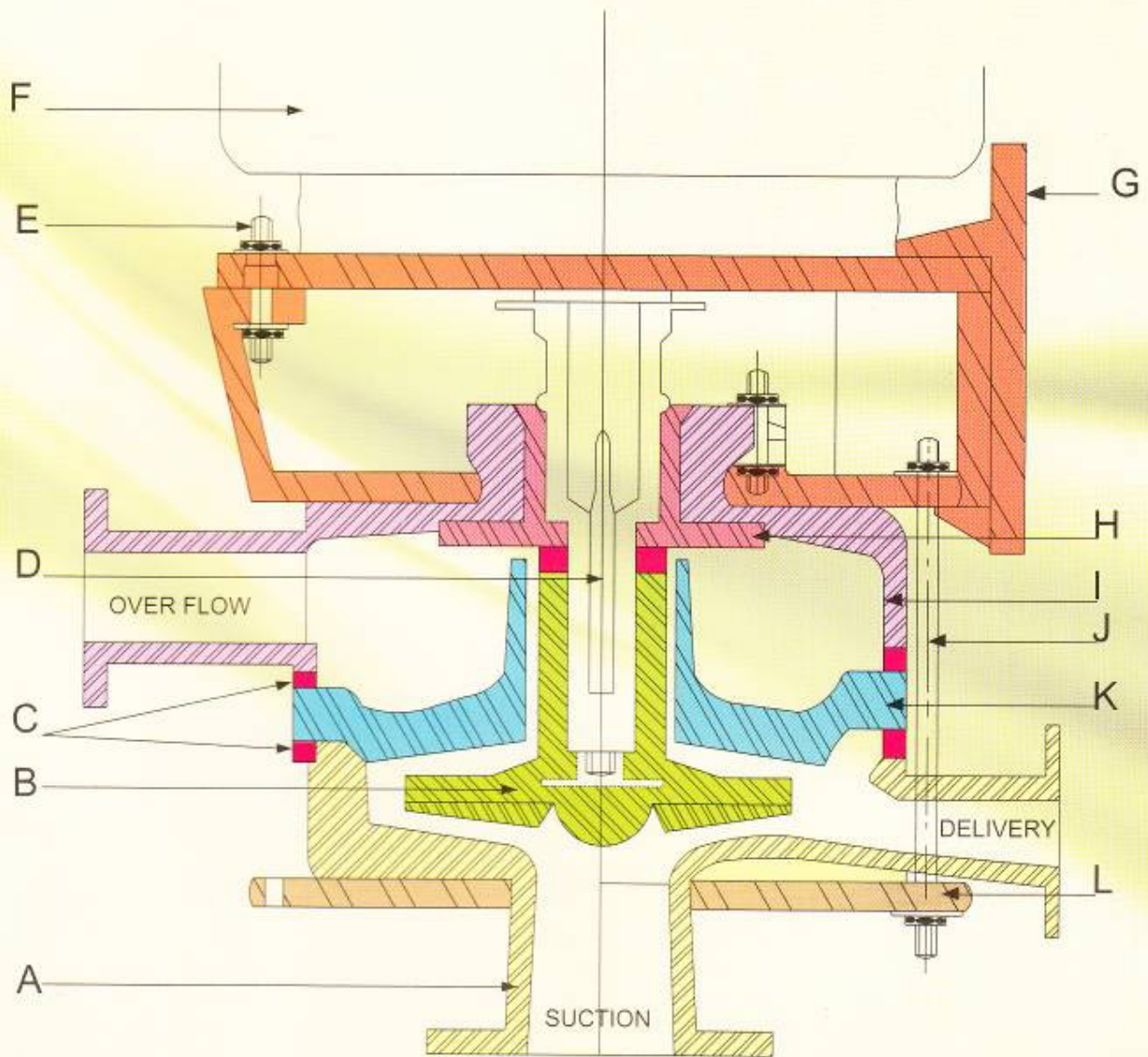
MATERIAL CHARACTERISTICS :

Superiority of UHMW-PE (Ultra High Molecular Weight - Polyethylene) over conventional materials.

- It exhibits exceptional wear resistance comparable to Ni-Hard, HV-9A, Alloy-20, Hastelloy etc.
- It outwears PP, GFP, GRP etc for pumping corrosive & abrasive slurry.
- It is used for almost all Acids, Solvents and Alkalies.

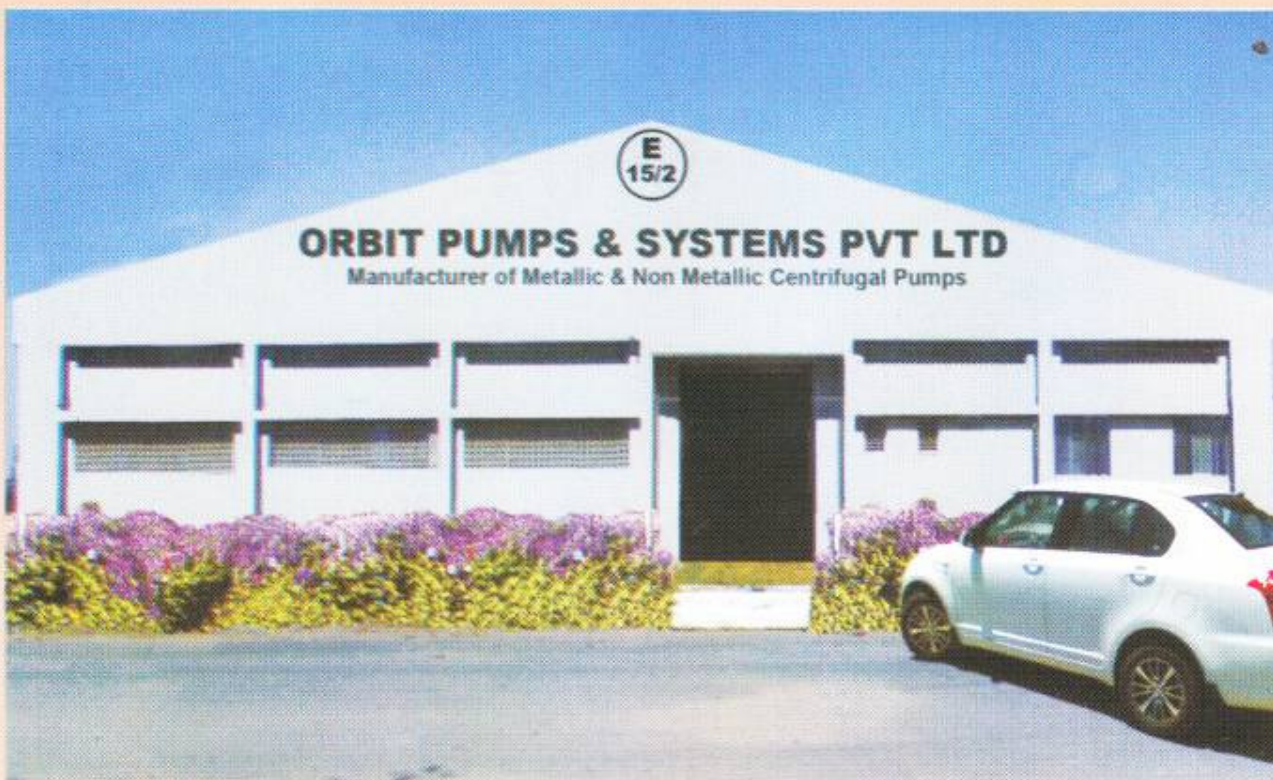
Besides this, various other M.O.C. can also be provided, depending upon the application.

CROSS SECTIONAL DRAWING VERTICAL GLANDLESS PUMP



No.	QTY.	PART NAME	MATERIAL
A	01	LOWER CASING	UHMW-PE ★
B	01	IMPELLER	UHMW-PE ★
C	03	GASKET	PTFE
D	01	SHAFT EXTERNAL	EN - 24
E	06	HEX-BOLT	M. S.
F	01	MOTOR	REPUTED MAKE
G	01	PUMP FRAME	C. I.
H	01	EXPELLER	UHMW-PE ★
I	01	OVERFLOW CHAMBER	UHMW-PE ★
J	01	HEX - STUD	SS - 316
K	04	UPPER CASING	UHMW-PE ★
L	01	MOUNTING FLANGE	CI

★ OTHER M.O.C. AS PER APPLICATION



Application & Industries served :

- Phosphoric Acid Plants : H_3PO_4 , H_2SiF_6 , H_2SO_4 , HF & their mixtures with or without solids (Gypsum).
- Sulphuric Acid Plants : H_2SO_4 , HCl & their mixtures with slurry.
- Fumes Scrubbing System : Scrubbed liquids containing F, Cl, SO_2 , Ammonia Gases etc. with solids.
- E.T.P. (Effluent Treatment Plant) : Acidic, Alkaline Waste from underground tanks with abrasive slurry.
- Rayon Plant : Spin Bath Solutions (H_2SO_4 , $ZnSO_4$, Na_2SO_4 , etc).
- Chemical Industry : Acids, Alkalies, Solvents, Suspensions, Resin, Filter Press, Electrolytes etc.
- Pharmaceutical Industry : Alcohols, Filtering Acids, Waste Solvents, Sump Waste etc.
- Plating : Anodic Sludge, Electroplating baths, Solvents, Cleaning baths, Filtering etc.

- Acid Pickling : On line acid pickling with Fe_2+ , Fe_3+ , particles.
- Caustic Soda Plants : Chlorinated Brine, HCl, H_2SO_4 etc. and many more like Paper Mills, Cement Factory, Petrochemicals, Fertilizer Plants, Metal Refineries etc.

Globalisation, indicating the survival only of quality, hi-tech and competitive product, penetration of Orbit Pumps & Systems Pvt. Ltd. in the core industrial sector was to incorporate best possible full proof solution to all pumping problems. To fulfill the growing demand, Orbit Pumps has a fully equipped manufacturing plant with comprehensive production, quality assurance and testing facilities.

It being service-oriented product is backed up with prompt and effective after sales service.

The goal is to provide zero defective product and to achieve success through customer satisfaction.



ORBIT PUMPS & SYSTEMS PVT. LTD.

SUCCESS THROUGH CUSTOMER SATISFACTION

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Dealer