

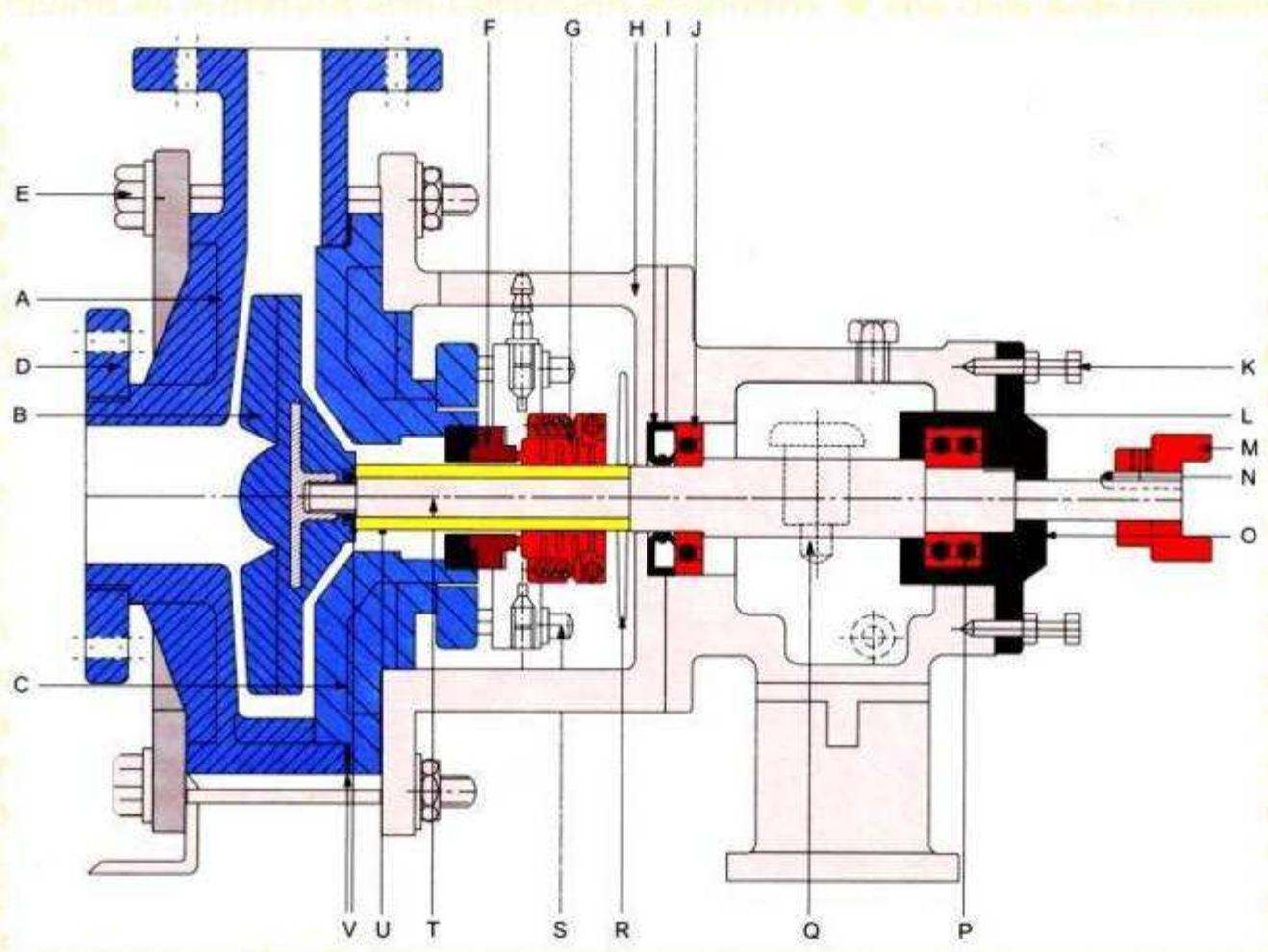
# The Only Anti-corrosive Hi-tech Pumps Solving All Pumping And Corrosion Problems



**ORBIT PUMPS & SYSTEMS PVT. LTD.**

*Success through Customer Satisfaction*

**Pumps Solving All Pumping And Corrosion Problems \* THE ONLY ANTI-CORROSIVE HI-TECH PUMPS SOLVING ALL PUMPING AND CORROSION PROBLEMS \* The Only Anti-corrosive HI-TECH PUMPS SOLVING ALL PUMPING AND CORROSION PROBLEMS \* The Only Anti-corrosive HI-TECH PUMPS SOLVING ALL PUMPING AND CORROSION PROBLEMS**



No.	QTY.	PART NAME	MATERIAL	No.	QTY.	PART NAME	MATERIAL
A	01	CASING	**	L	01	BEARING CUP	CI
B	01	IMPELLER	**	M	01	COUPLING	CI
C	01	BACKPLATE	**	N	01	KEY	SS-316
D	01	SUCTION FLANGE	**	O	01	OUTBOARD OIL SEAL	NEOPRENE
E	06	HEX-BOLT	SS-316	P	01	OUTBOARD BEARING	STEEL
F	01	MATING RING	CERAMIC (99.95%)	Q	01	CONSTANT OIL LEVELLER	ALUMINUM
G	01	MECHANICAL SEAL	TEFLON BELLOW	R	01	DEFLECTOR	PP/UHMW-P
H	01	BEARING FRAME	CI	S	04	NUT	SS-316
I	01	INBOARD OIL SEAL	NEOPRENE	T	01	SHAFT	EN-8/SS-316
J	01	INBOARD BEARING	STEEL	U	01	SLEEVE	**
K	04	HEX-BOLT	SS-316	V	01	GASKET	PTFE

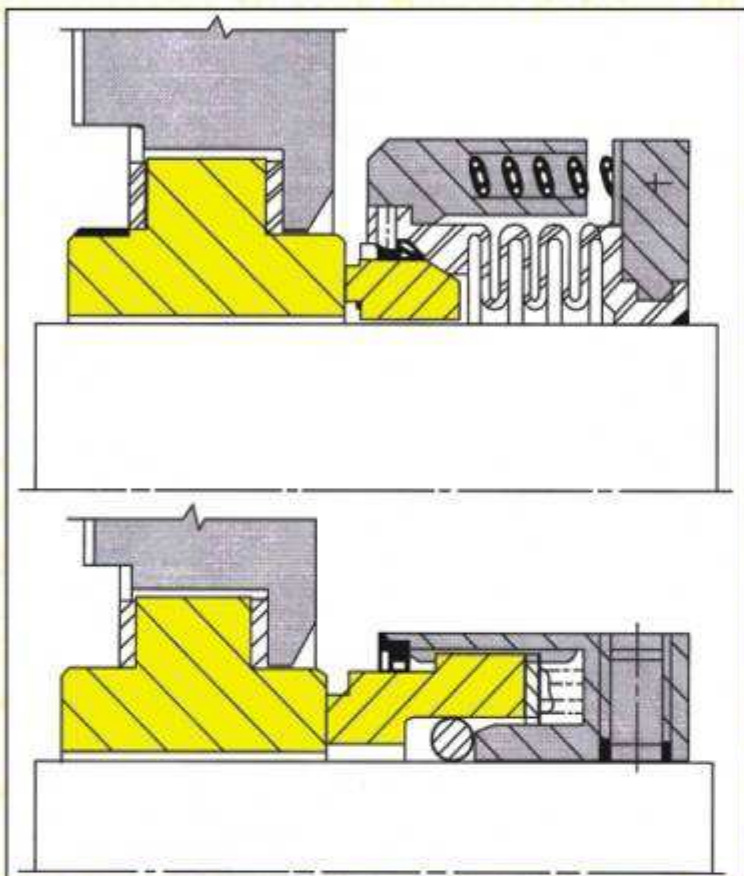
\*\* - M.O.C. VARIES AS PER APPLICATION

Non-Metallic Centrifugan Corrosion Resistant Process Pumps, designed and developed by Global Engineering is suitable for wide range of applications. These Pumps are designed in accordance with ISO 2858 (DIN 24256) design standard and all wetted parts are **SOLID MOULDED ONES**. They are available in various M.O.C. Such as pp, UHMW-PE, PTFE, etc. The specific M.O.C. is selected depending upon the type of application, thus enhancing the life of pump.

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### AREAS OF FOCUS

- ❖ These pumps being used for corrosive application, utmost care is taken to reduce the number of joints and if available are seated with TEFLON (PTFE) gaskets.
- ❖ Shaft being totally encapsulated with Sleeve, it is available in various M.O.C., such as Alloy-20, HB, HC, High Alumina Ceramic (99.95%), etc.
- ❖ Mechanical Seal plays a vital role and its improper selectio can cause leakage hazards and chaos, to prevent it, following recommendation are given:-



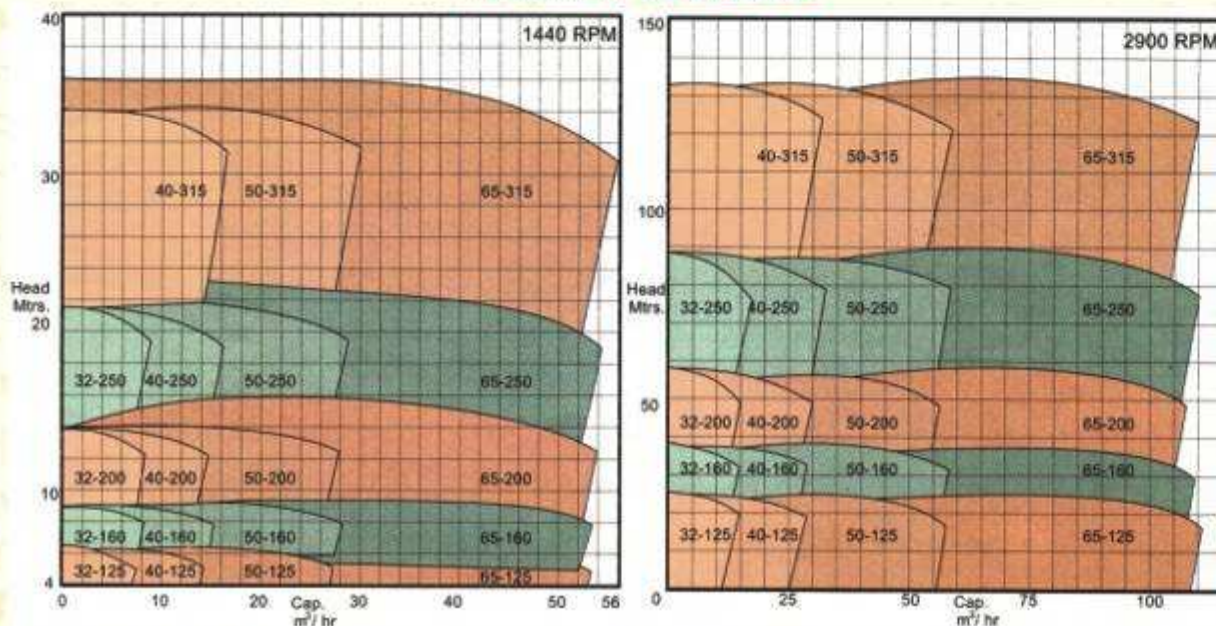
#### 1. Teflon bellow Seal with Replaceable Face :-

These are Externally Mounted Multi Spring Seal, even suitable for slurry application, both abrasive and non-abrasive in nature. It is available in various face combination such as GFT V/S CERAMIC, CARBON V/S CERAMIC, SIC V/S CERAMIC, SIC V/S SIC, TC V/S CERAMIC ETC. It is cost effective from Inventory point of view.

#### 2. Reverse Balancing Seal :-

These are specially designed externally mounted seal, to sustain any amount of Stuffing box pressure and is also compatible for slurry application, both abrasive and non-abrasive in nature. It is also available in various face combination.

### FAMILY CURVES



## Application & Industries Served

Phosphoric Acid Plants, Sulphuric Acid Plants, Fumes Scrubbing System, E.T.P. ( Effluent Treatment Plant) , Rayon Plant, Chemical Industry, Pharmaceutical Industry, Plating, Acid Pickling, Caustic Soda Plants and many More like Paper Mills, Cement Factory, Petrochemicals, Fertilizer Plants, Metal Refineries Breviaries, Drugs & Pharmaceuticals, Agrochemical etc.

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

It being service oriented product, are backed up with prompt and effective after sales service.

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

## **ORBIT PUMPS & SYSTEMS PVT. LTD.**

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