



SHAKTI ENTERPRISES

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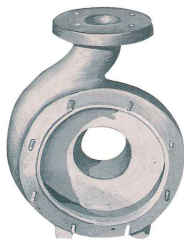
WE ARE INTO MARKETING FOR ONE OF THE MOST GENUINE WELL RENOWNED CHEMICAL SLURRY PUMPS & VALVE MANUFACTURERS WHICH HAD BEEN APPROVED FROM LLOYDS & IRS & BEEN REGULARLY USED BY SOME VERY RENOWNED COMPANIES SPECIALLY GOVERNMENT CONCERS, FOLLOWING ARE SOME OF THE PRODUCTS WHICH ARE SPECIALIZED IN.

Quality assurance starts with the minute raw material comes in the door and continues through every stage of manufacturing process.

Each Product undergoes a series of tests before despatch.

If operation instructions are carefully followed, our products will give trouble free service beyond anybody's expectations. They have been regularly manufacturing materials like CD4MCu, UB 6, HV 9A, ALLOY 20, CA 6NM, CN 7M, DIN 4136, CF 3, CF 3M, CF 8, CA 15, DIN 1.4136, CF 8M, Ni-Resist, Ni-Hard, various grades of high alloy steels and any other special graded materials.

Facilities are available for Ultrasonic and radiography tests..



Casing

Highly efficient, designed to bring out optimum performance and made of special alloy steelcastings to handle aggressive slurry. Large branches, small radial thrust, small shaft deflection (< 0.05 mm) in the area of the Low branch velocity, low noise level due to additional primary measures at impeller, casing joints cannot break. Long rated life of casings and increased corrosion allowance. Enclosed casing gasket for long rated life of antifriction bearings, long rated life of shaft seals, short shut-downs, low maintenance costs. Higher efficiency, low operating costs, low costs for pipework support and sound protection, low spare part and repair costs, high reliability.



IMPELLER

Hydraulically designed open type / semi-open type / closed type for high efficiencies, small / high suction heads – dynamically balanced with backward-relieved vanes, which protect to keep away, the shaft from wear by abrasive particles. Small suction heads required.

REPELLER

Repellers are employed to reduce axial thrust as well as the pressure on the gland packing to avoid leakage. Hydrodynamic sealing arrangements.



BEARING HOUSING : Rigid, single piece casting bearing housing contains two heavy duty best suited bearings to take care of both axial and radial thrust and a governor assembly for positioning the impeller to minimise the leakage through stuffing box while at rest and running of the pump.

HEAVY DUTY BEARING BRACKETS :

Oil / Grease lubricated anti-friction bearings, Stable, aligning shaft position, robust shaft with small shaft deflection, critical speed, operating speed few components few bearing checks required no cooling water pipe work no cooling water consumption. No increased bearing heating.

STUFFINGBOX:

Well dimensioned stuffing box chamber Possibility of fitting gland packings or mechanical seals of any design High interchangeability, low modification costs (no machining of stuffing box housing).

SHAFT

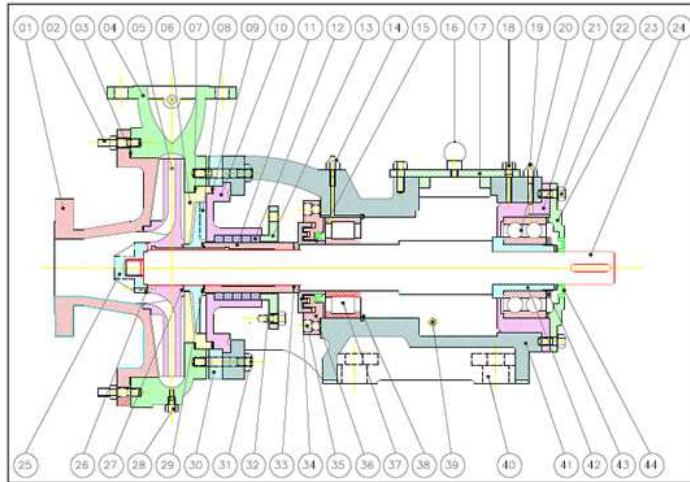
Machined from high quality duly tested alloy steel and proportionate to minimise the deflection and the long term reliable service.

INTERCHANGEABLE WEAR PARTS :

Impeller wear rings, Casing wear rings, Shaft sleeve result in reuse of casing, impeller and shaft. By replacing wear rings at appropriate times, casing, impeller and shaft can be reused.

Considerable saving of repair and spare part stockkeeping costs, short repair periods.

Horizontal Pump Assembly Model:



46	DRAIN PLUG	1	SS 316
45	BASE PLATE	1	IS 226
44	PLUG-REAR CASING	1	SS 316
43	IMPELLER HUB	1	SS 316
42	GLAND PACKING		TEFLON ABS
41	FOLLOWER FLANGE	1	SS 316
40	SLEEVE	1	SS 316
39	SLINGER PLATE	1	SS 316
38	BEARING COVER FRONT	1	SS 316
37	ROLLER BEARING	1	STD
36	BEARING SLEEVE	1	BS 970
35	LOCKING ARRGT	1	BS 970
34	GREASE NIPPLE 1/8" N.P.T.	3	STD
33	LOCKING WASHER-M70	1	STD
32	BEARING BRACKET CAP	1	IS 210
31	RUBBER SEAL	1	STD
30	BEARING RING	1	BS 970
29	BALL BEARING	1	STD
28	COMP. SPRING	1	SPRING STL
27	ADAPTER	1	BST 970
26	COLLAR	1	BS 970
25	RING	1	BS 970
24	SHAFT	1	BS970/EN24
23	KEY	1	BS 970
22	KEY	1	BS 970
21	LOCK NUT & WASHER M55 x 2P	1	STD
20	O/F FELT	1	STD
19	BEARING COVER REAR	1	IS 210
18	ALLEN SCREW M12 x 35	4	STD
17	GOVERNOR COVER	1	BS 970
16	OIL DRAIN PLUG	1	STD
15	GOVERNOR WEIGHT	1	BS 970
14	GOVERNOR ASSLY	1	BS 970
13	LOCK NUT & WASHER M70 x 2P	2	STD
12	BEARING BRACKET	1	IS 210
10	BEARING BRACKET FLANGE	1	CF 8M
9	STUD FOR BEARING BRACKET FLANGE	16	M16 x 115 SS 316
8	REAR CASING	1	CD 4M CU
7	REPELLER	1	CD 4M CU
6	PARTITION PLATE	1	CD 4M CU
5	IMPELLER	1	CD 4M CU
4	FRONT CASING	1	CD 4M CU
3	STUD FOR FRONT CASING -M16 x 60	16	SS 316
2	FRONT WEAR PLATE	1	CD 4M CU
1	SUCTION AND COVER	1	CD 4M CU
ITEM	DESCRIPTION	NO.	OF MATERIAL