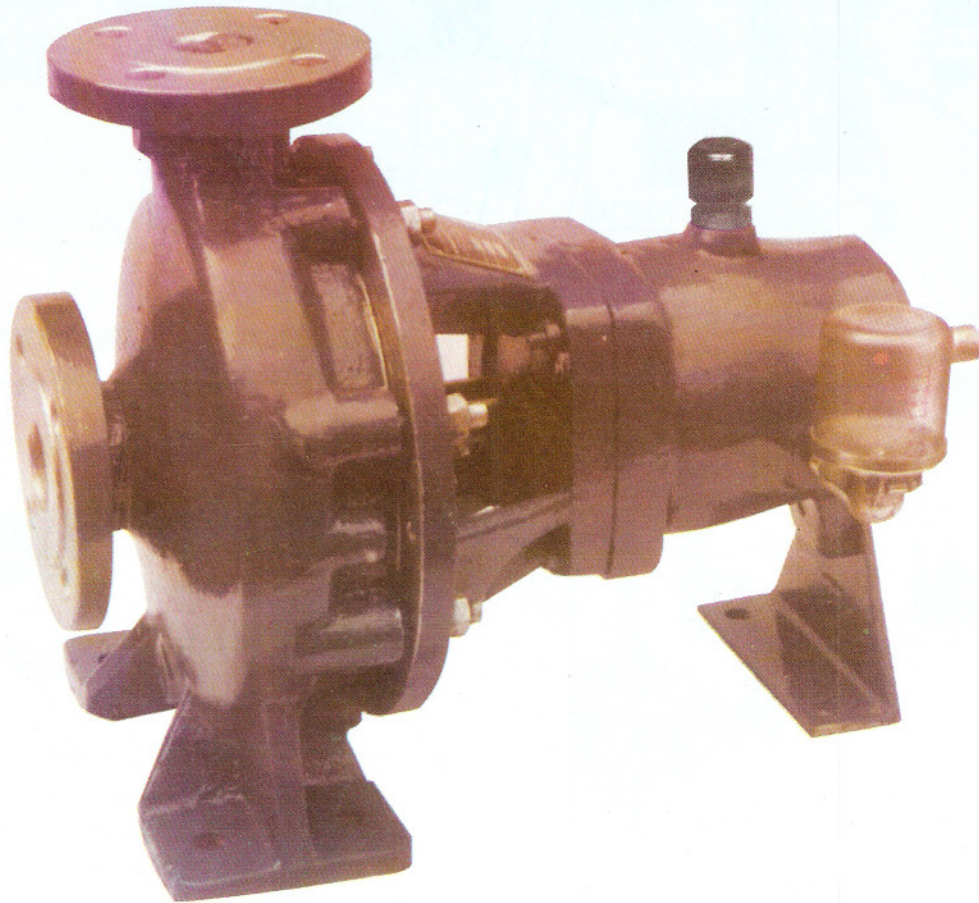




PARAM PUMPS

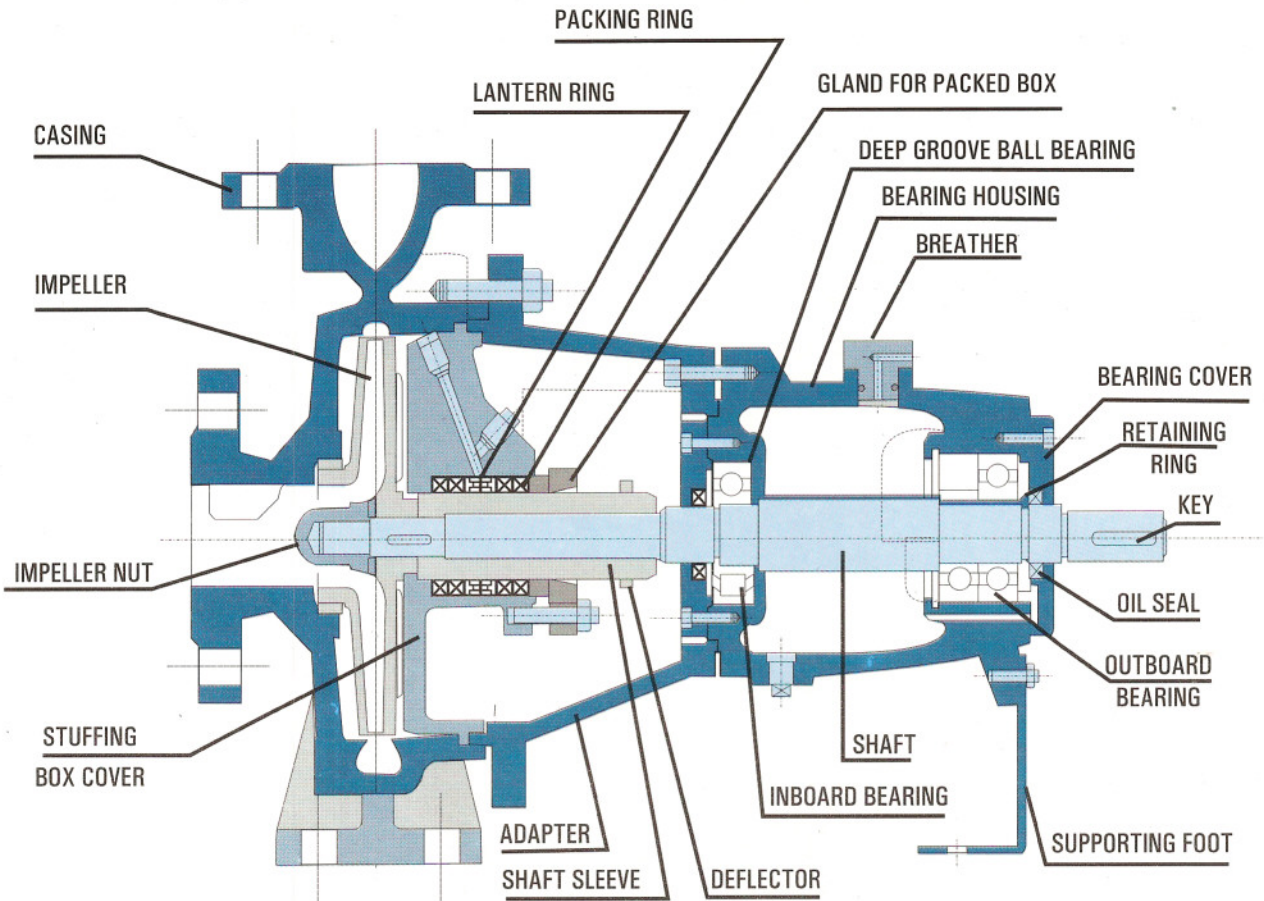
PE-SERIES

CHEMICAL PROCESS PUMPS AS PER ISO 2858



PARMESHWAR ENGINEERING

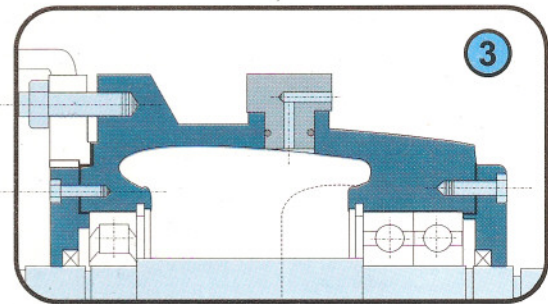
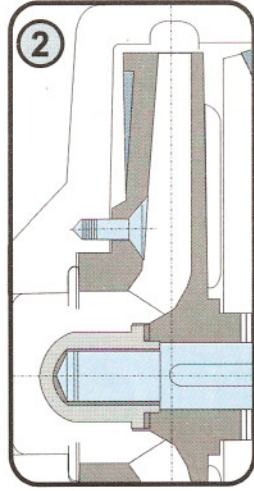
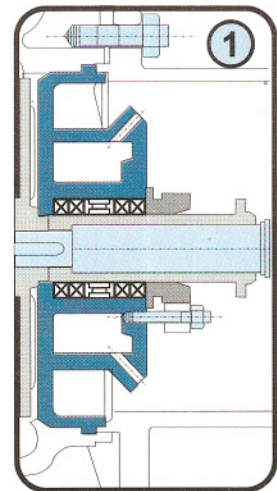
NORMAL CONSTRUCTION



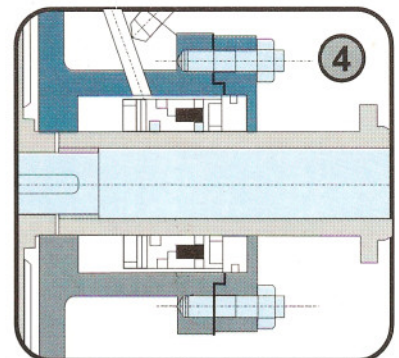
WITH JACKETED ST. BOX

WITH S.O. IMPELLER

WITH REINFORCED BEARING ASSEMBLY

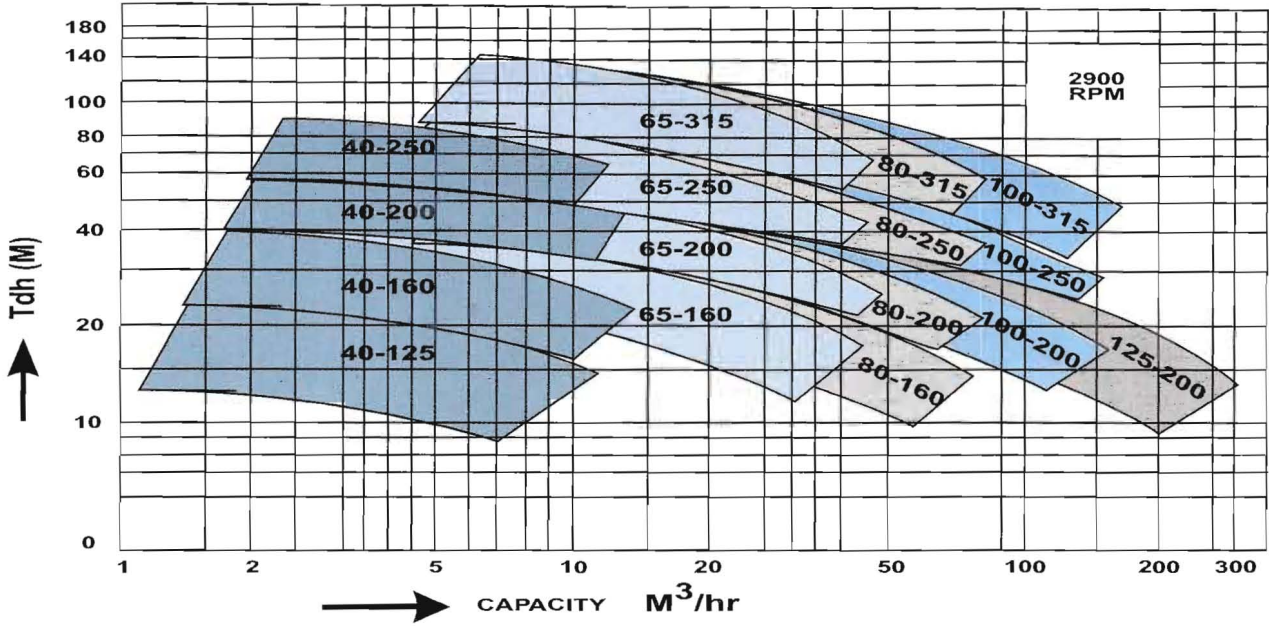


WITH MECH. SEAL

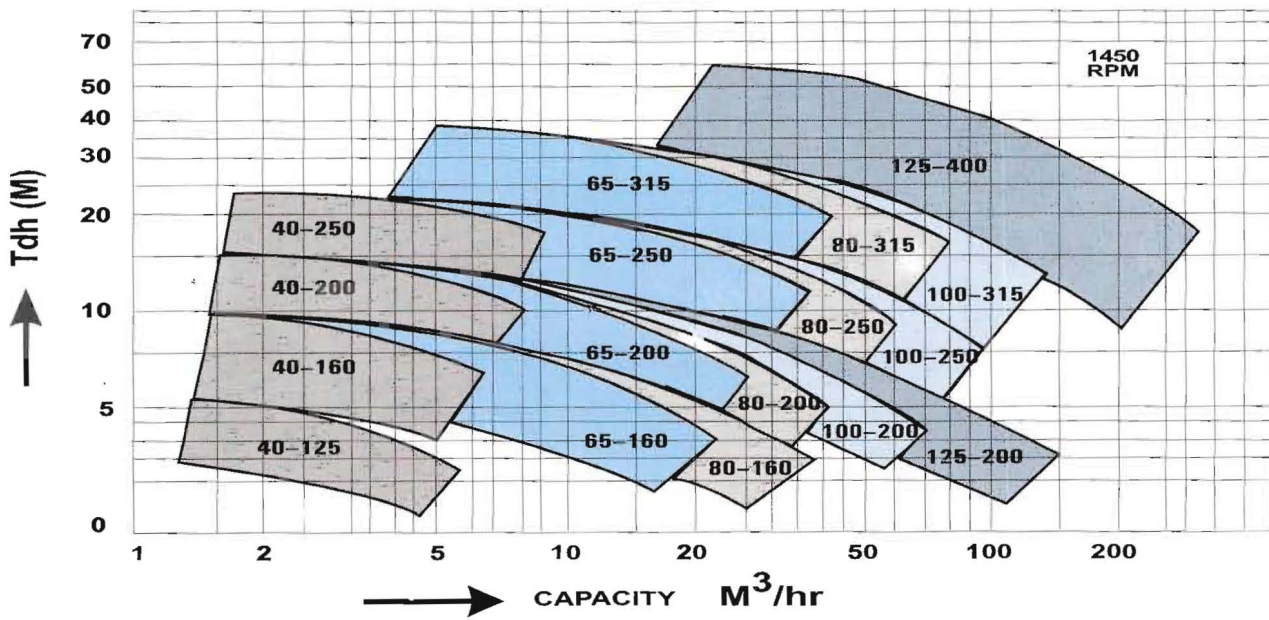


- ① For handling fluids at higher temperature.
- ② For handling slurries (with replaceable wear plate).
- ③ For handling fluids at higher suction pressures (Roller bearing at inboard, 2nos. Thrust bearing at outboard)
- ④ For handling fluids at zero leakage (Const. With mech. Seal of reputed make)

PERFORMANCE RANGE - 2900 RPM



PERFORMANCE RANGE - 1450 RPM



PERFORMANCE COVERAGE :-

Sizes : 40 mm to 125 mm Suction. **Capacity** : 1 to 300 m³/HR **Head** : Upto 150 m. **Temp.** : -30°C to 350°C.
Speed : 1450 / 2900 RPM. **ST. Box** : Gland Packed or Mech. Seal. **Working Pressure** : Upto 50 bar.

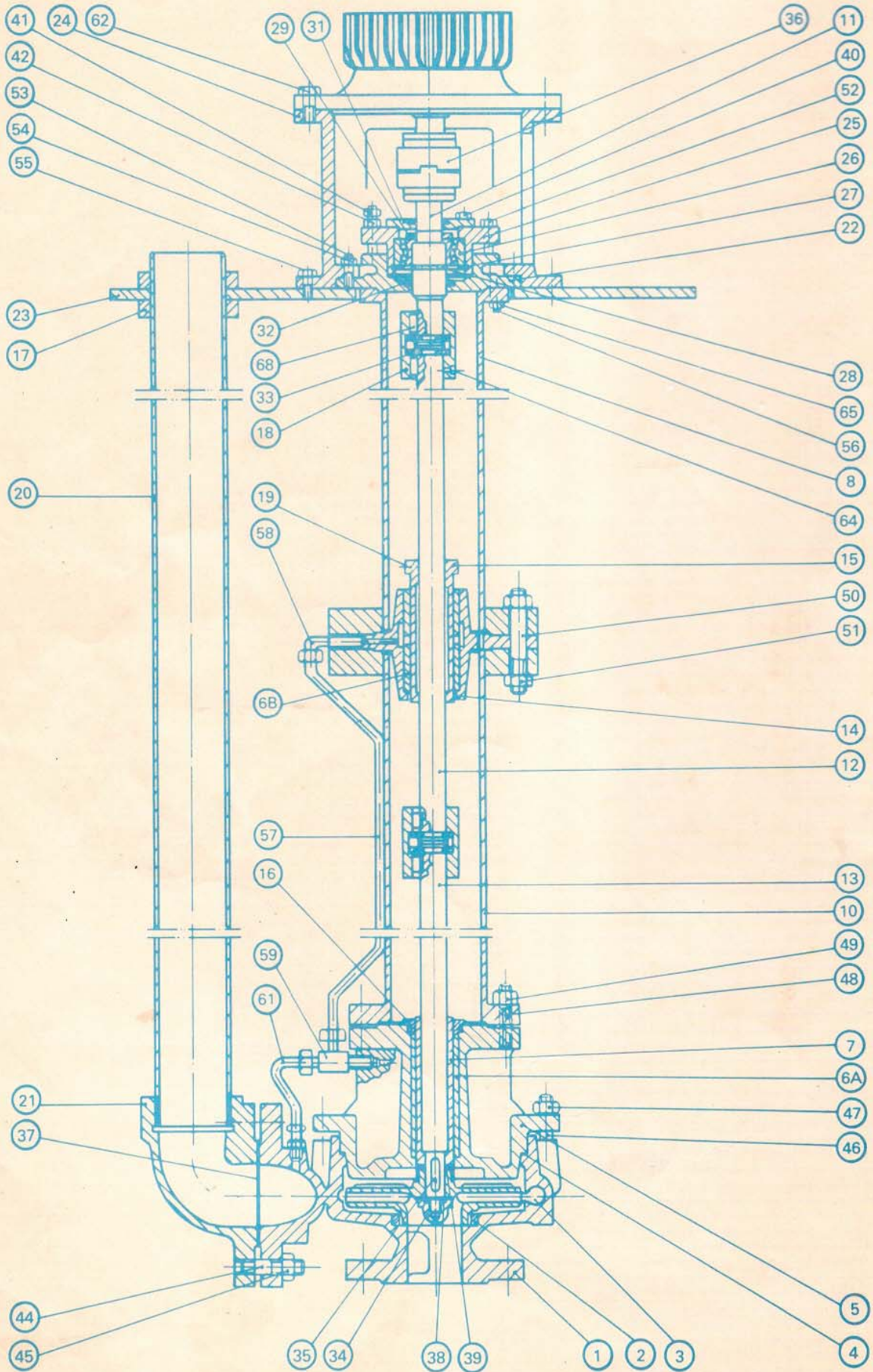
MATERIAL OF CONST. :-

C.Iron - As per I.S.210 Gr. 20 ❖ WCB ❖ CF8/SS304 ❖ CF8M/SS316 ❖ A-20/CN 7M ❖ R-55 ❖ H-B❖H-C.

SALIENT FEATURES :-

❖ Designed to ISO 2858 or DIN 24256 std. ❖ Back Pull Out Design ❖ Centre Line Discharge ❖ Generally Confirms to API 610. ❖ 17 Models Covering only 4 Bearings Frame Assembly. ❖ Pumps are Offered with either cooling or heating Jacket. ❖ Reinforced bearings offered for higher suction pressure. ❖ Use of spacer coupling Facilitates maint. without Disturbing Pipelines.

Cross Section Dry



Parts List & Material of Construction

PART No.	No. OFF	PART NAME	MATERIAL					
			CI	CS	BR	CF-8M	A-20	HAST-
1	1	CASING	CI	CS	BR	CF-8M	A-20	HAST-
2	1	CASING WEAR RING	CI		BR	CF-8M	A-20	HAST-
3	1	IMPELLER	CI		BR	CF-8M	A-20	HAST
4	1	GASKET CASING				CAF-40		
5	1	BOTTOM BEARING HOUSING	CI	CS	BR	CF-8M	A-20	HAST-
6A	1	STEADY BEARING (for bottom brg. hsg.)				CI/GFT/CFT		
6B	*	STEADY BEARING (for intermediate brg. hsg.)				CI/GFT/CFT		
7	1	SLEEVE (for bottom brg. hsg. /Lower st. box cover.)	CI			SS-316	A-20	HAST-
8	1	HEAD COLUMN PIPE	STEEL			CF-8M	A-20	HAST-
9	*	INTERMEDIATE COLUMN PIPE	STEEL			CF-8M	A-20	HAST-
10	1	PUMP COLUMN PIPE	STEEL			CF-8M	A-20	HAST-
11	1	HEAD SHAFT	4140			SS-316		
12	*	INTERMEDIATE SHAFT	4140			SS-316		
13	1	PUMP SHAFT	4140			SS-316		
14	*	INTERMEDIATE BEARING HOUSING	CI		BR	CF-8M	A-20	HAST-
15	*	SLEEVE (for intermediate brg. hsg.)	CI			SS-316	A-20	HAST-
16	*	LOCK NUT, (bottom steady bearing.)		CS	BR	CF-8M	A-20	HAST-
17	2	COLLAR NUT	STEEL			SS-316	A-20	HAST-
18	*	SHAFT COUPLING	4140			SS-316		
19	*	GRUB SCREW, (for int. brg. hsg. & upper st. box cov. sleeve)	STEEL			SS-316	A-20	HAST-
20	1	DISCHARGE PIPE	STEEL			CF-8M	A-20	HAST-
21	1	DISCHARGE BEND	CI	CS		CF-8M	A-20	HAST-
22	1	UPPER BEARING HOUSING				CI		
23	1	SUPPORT PLATE				STEEL		
24	1	MOTOR STOOL				CI		
25	1	BEARING CARTRIDGE				CI		
26	1	BALL BEARING				STEEL		
27	1	RETAINING RING (internal.)				STEEL		
28	2	RETAINING RING (external)				STEEL		
29	1	LOCK NUT				STEEL		
30	1	LOCK WASHER				STEEL		
31 A	1	BEARING CARTRIDGE COVER				CI		
31 B	1	OIL SEAL BEARING CARTRIDGE COVER				BUNA RUBBER		
32	1	OIL SEAL UPPER BEARING HOUSING				BUNA RUBBER		
33	*	SPLIT WASHER	STEEL			SS-316		
34	1	IMPELLER NUT	CI			CF-8M	A-20	HAST-
35	1	IMPELLER KEY	En-8			SS-316		
36	1	FLEXIBLE COUPLING				CI		
37	1	GASKET, DISCHARGE BEND				CAF-40		
38	1	GASKET, IMPELLER NUT				PTFE/CAF-40		
39	1	GASKET, (for sleeve bottom brg. hsg./lower st. box cov.)				PTFE/CAF-40		
40	1	HEX. BOLT (brg. cartridge cover to brg. cartridge)				STEEL		
41	3	JACK SCREW				STEEL		
42	3	JAM NUT				STEEL		
43	1	GREASE NIPPLE				STEEL		
44	4-8-12	STUD, DISCHARGE BEND	STEEL			SS-316	A-20	HAST-
45	4-8-12	NUT, DISCHARGE BEND	STEEL			SS-316	A-20	HAST-
46	4-8-12	STUD, CASING TO BOTTOM BRG. HSG./ADAPTER	STEEL			SS-316	A-20	HAST-
47	4-8-12	NUT, CASING TO BOTTOM BRG. HSG./ADAPTER	STEEL			SS-316	A-20	HAST-
48	6	STUD, pump column pipe to bottom brg. hsg./adapter.	STEEL			SS-316	A-20	HAST-
49	6	NUT, pump column pipe to bottom brg. hsg./adapter.	STEEL			SS-316	A-20	HAST-
50	*	STUD, pump column pipe to head column pipe.	STEEL			SS-316	A-20	HAST-
51	*	NUT, pump column pipe to head column pipe.	STEEL			SS-316	A-20	HAST-
52	3	HEX. SCREW, bearing cartridge to upper brg. hsg.				STEEL		
53	2-4	STUD, motor stool to upper brg. hsg.				STEEL		
54	2-4	NUT, motor stool to upper brg. hsg.				STEEL		
55	6	HEX. SCREW, support plate to motor stool/spacer				STEEL		
56	6	STUD, head column pipe to upper brg. hsg./upper st. box cov.				STEEL		
57	1	LUBRICATION OR FLUSH LINE	STEEL			SS-316		PTFE
58	*	MALE ELBOW, bottom brg. hsg./steady brg. hsg.	STEEL			SS-316		PTFE
59	*	MALE BRANCH TEE	STEEL			SS-316		PTFE
61	1	MALE CONNECTOR	STEEL			SS-316		PTFE
62	4-8	HEX. SCREW, motor to motor stool				STEEL		
64								
65	6	NUT, head column pipe to upper brg. hsg./upper st. box cov.				STEEL		
68	*	KEY, shaft coupling	EN-8			SS-316		

* DEPENDANT ON PIT DEPTH
 2 Less than 1.5 mm setting single shaft & column pipe construction is offered.

PARAM PUMPS

VERTICAL SUBMERGED PUMPS SERIES - PEV



Parmeshwar Engineering Works

14, Dena Industrial Estate, Behind Paper Products,
Majiwada, Thane: - 400 601. , Telefax: +91-22-2534 5402.

E-mail Add: - parampumps@yahoo.co.uk2

Visit us at <http://www.parampumps.com>

DESIGN FEATURES

- Closed as well as semi open Impeller construction
- Simple mounting –no foundation Needed
- Self priming
- Axial Adjustment maintains performance
- Vapour proof construction

CASING

Volute type designed for high efficiency. Precision bored to provide locked Fits & permanent alignment with adapter. Jacketed construction can be offered to meet specific requirement.

IMPELLER

Closed Impeller to operate at high efficiency. Wiping vanes prevent settling of solids behind the impeller. Impeller is keyed on to the shaft for secure fastening , cannot loosen under reverse rotation. Semi open impeller with replaceable wear plate can be offered for liquid having clogging tendencies.

COLUMN PIPE

Column pipe has welded flanges machined for true parallelism

INTERMEDIATE STEADY BEARING

Precision machined lock fits for positive alignment in the column pipe and secured in the housing by locking. Available in C.I. , CFT & GFT

SUPPORT PLATE

Mild Steel as as Standard if Desired , Cladding of competitive material can be given.

SHAFT

Of more than ample strength & rigidity with proper span between bearings to keep deflection & Vibration to minimum.

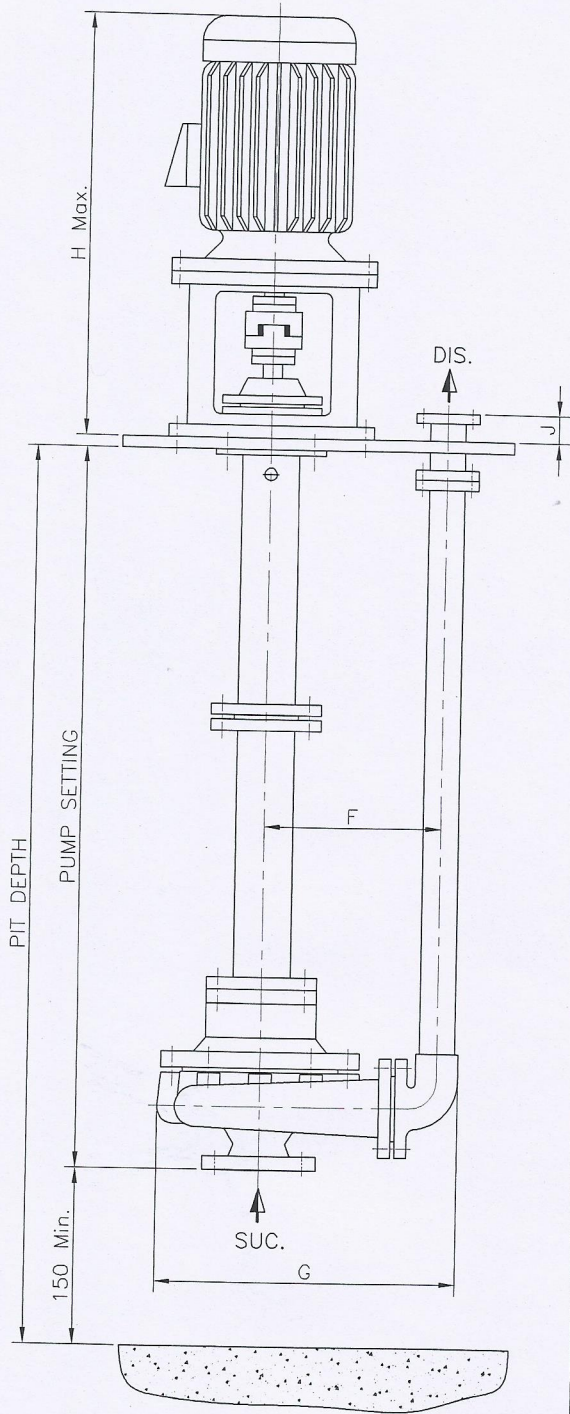
STUFFING BOX

It is given as a standard with DRY PIT construction upper Stuffing box can be given if vapour leakage is to prevented.

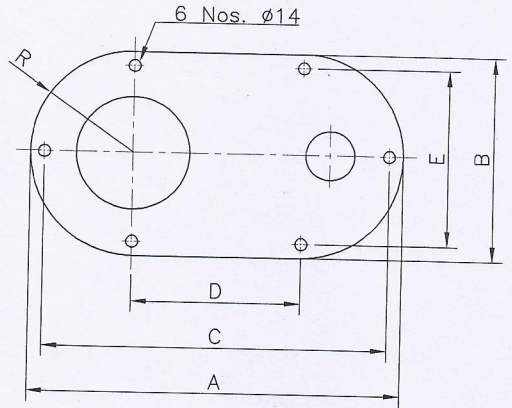
FIELD APPLICATION

- Slurries or Clear Liquids
- Corrosive Liquid
- Extreme tem. Thermic Liquid
- Hazardous , Inflammable & toxic Liquid.
- Solvents.

VERTICAL SUBMERGED PUMP



SUPPORT PLATE



DIMENSIONS						
A	B	C	D	E	R	THK.
						14

MODEL NO.	PUMP DIMENSIONS				PUMP SETTING	PIT DEPTH
	F	G	H	J		

Customer :
P.O. No :
P.O. Date :
Qty :
Pump Model :
Capacity :
Head in mtrs :
Sp. Gr. :
Motor HP./RPM:
MOC :
Sealing :
Pump Length :

DEVIATION :

DEALER ADDRESS :