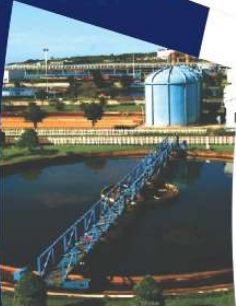


# VERTICAL SUBMERGED PUMPS



Reg. No. 9910000526

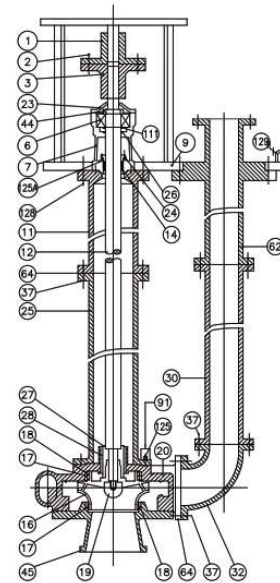


**CHEMLIN**<sup>®</sup>

*Designed To Meet Your Specifications!*

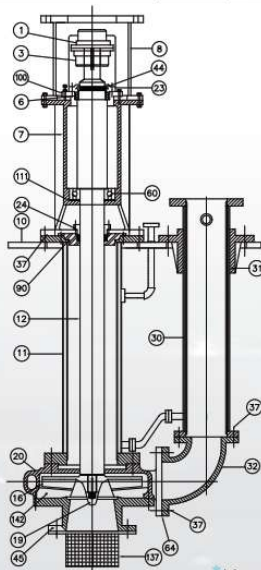
**VCP - STANDARD CONSTRUCTION  
(JACKETED / NON- JACKETED)**

NO	PART	QTY	MATERIAL			
1	Motor Half Coupling	1	C.I.	C.S.	S.S.	
2	Coupling Spider/ Pins	1 Set	M.S. With Rubber Bushes			
3	Pump Half Coupling	1	C.I.	C.S.	S.S.	
6	Ball Bearing	1	Bearing Steel			
7	Ball Bearing Housing	1	C.I.	C.S.	S.S.	
9	Motor Stand	1	M.S. fabricated			
11	Upper Boot	1	C.I.	A.I.	C.S.	S.S.
12	Shaft	1	EN8/EN9			
14	Gland Packing	1 Set	ASB	NON ASB	PTFE	
16	Impeller	1	C.I.	A.I.	S.S.	Hastalloy
17	Impeller Ring	2	C.I.	A.I.	S.S.	Hastalloy
18	Casing Ring	2	C.I.	A.I.	S.S.	Hastalloy
19	Impeller Nut	1	En8		S.S.	Hastalloy
20	Volute	1	C.I.	A.I.	S.S.	Hastalloy
23	Ball Brg. Hsg. Cap.	1	C.I.			
24	Stuffing Box Gland	1	C.I.			
25	Lower Boot	1	C.I.	C.S.	A.I.	S.S.
26	Oil Seal	1	Rubber		Neoprene	
27	Volute Journal	1	C.I.	A.I.	S.S.	Hastalloy
28	Volute Bearing	1	C.I.	A.I.	S.S.	Hastalloy
30	Discharge Pipe	1	C.I.	C.S.	A.I.	S.S.
32	Discharge Elbow	1	C.I.	C.S.	A.I.	S.S.
37	Nuts And Bolts	1 Set	En8		S.S.	A.S.
44	Brg. lock Nut	1	C.S.			
45	Suction Head	1	C.I.	A.I.	S.S.	Hastalloy
62	Discharge Spool	1	C.I.	C.S.	A.I.	S.S.
64	Gasket Set	1 Set	ASB	NON ASB	PTFE	
91	Cap Nut	1 Set	S.S.		Hastalloy	
111	Snap Ring	1	Carbon Steel			
125	Studs	1 Set	En8			
128	Full Thred Bolts	1 Set	En8			
129	Lifting Lug / Eye Bolts	1 Set	En8			
125A	Studs	1 Set	En8			



**VCP-CANTILEVER DESIGN  
(JACKETED / NON- JACKETED)**

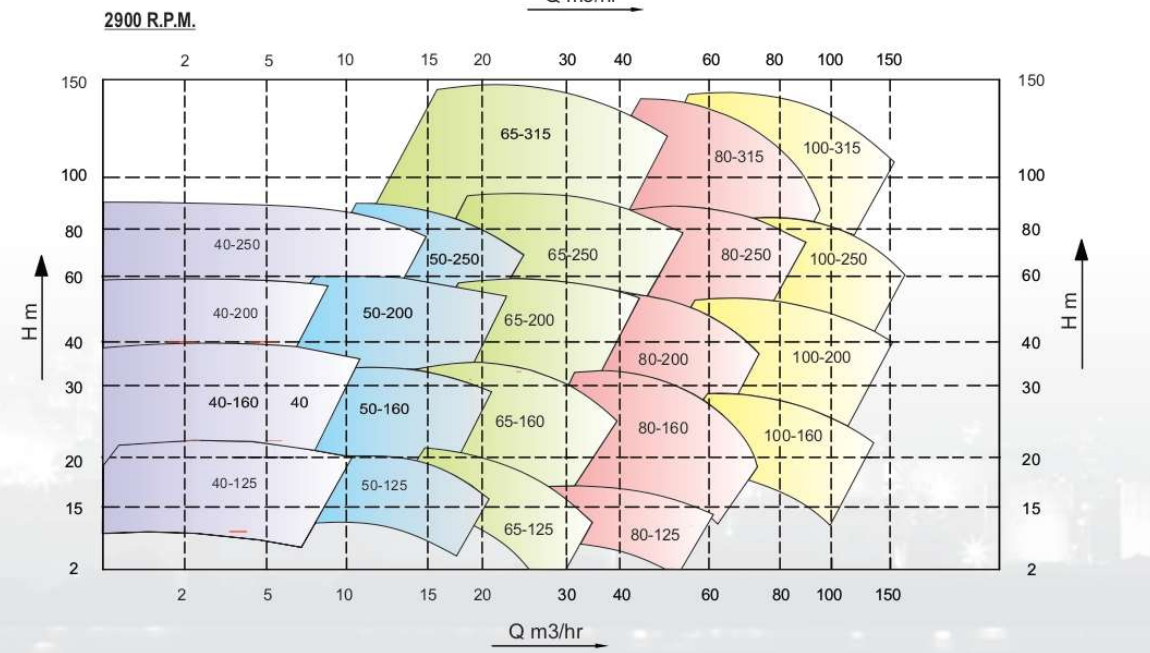
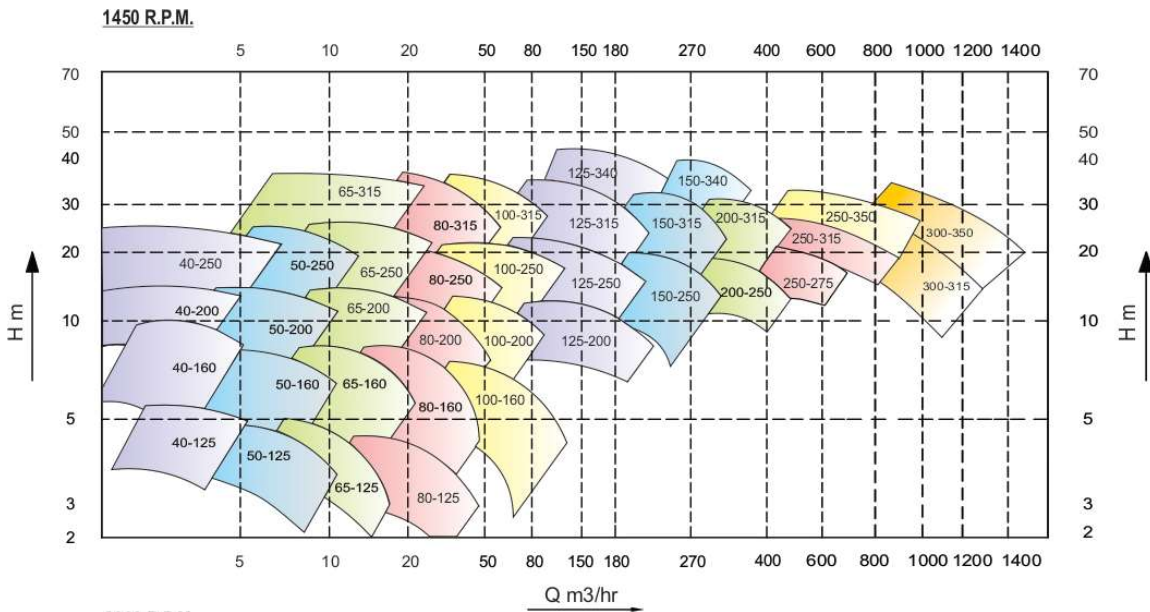
NO	PART	QTY	MTL	
1	Motor Half Coupling	1	C.I.	C.S.
3	Pump Half Coupling	1	C.I.	C.S.
6	Ball Bearing (upper)	1	BEARING STEEL	
7	Ball Bearing Housing	1	C.I.	C.S. S.S.
8	Motor Stool	1	M.S. FAB	
10	Base Plate	1	M.S.	
11	Column Pipe	1	C.S.	S.S.
12	Shaft	1	En8	
16	Impeller	1	C.I.	C.S. S.S.
19	Impeller Nut	1	En8	
20	Volute	1	C.I.	C.S. S.S.
23	Ball Brg. Hsg. Cap.	1	C.I.	
24	Stuffing Box Gland	1	C.I.	
30	Discharge Pipe	1	C.S.	
31	'C' Clamp	1	C.I.	
32	Discharge Elbow	1	C.S.	
37	Nuts And Bolts	1Set	C.S.	
43	Brg. Lock Washer	1	C.S.	
44	Brg. Lock Nut	1	C.S.	
45	Suction Cover	1	C.I.	C.S. S.S.
60	Ball Bearing (lower)	1	Brg. steel	
64	Gasket Set	1set	ASB	NON-ASB PTFE
90	Stuffing Box	1	C.I.	C.S.
100	Adjusting Sleeve	1	C.I.	C.S.
111	Snap Ring	1	C.S.	
137	Suction Strainer	1	M.S.	
142	Suction Plate	1	C.S.	



\*Note : Direction of rotation is anticlockwise as viewed from coupling end.

### PERFORMANCE RANGE CHART

Excellent coverage of "CHEMLIN" Make Vertical Submerged type Centrifugal pumps gives you more & better selection at any design point. This means, even at application points falling at the top or bottom of the chart, where efficiency is traditionally hard to come by, you can select a pump to reduce costs and do your job better. Each pump is designed for optimum performance with reliability and low cost.



Note: In the designation used for various pump sizes, the first number indicates the Suction Diameter & second number the Maximum Impeller Diameter.



Chemlin Pumps and manufactured at a modern manufacturing set -up at kagal Since 1987. This plant has a state- of- the- art-technology and instrumentation for pump testing which is done by using a computerised Pump testing facility.

'Chemlin' has a strong, experienced and dedicated workforce with technocrats having years of experience in handling various grades of materials and modern machining practices for achieving excellent quality of product. The complete design and manufacturing process is standardized under ISO 9001-2015 Quality Management System. The Business Associates of 'Chemlin' are placed at strategic locations in the various parts of country to give prompt services to all our valued customers.

Chemlin Pumps and Valves are being used in various Process Industries all over India & abroad. The products are designed and manufactured to International Standards and offer all desired features and options for maintenance free operations. 'Chemlin' brand products are serving the Chemical and Process Industry for over last three decades and have become the first choice of Maintenance Engineers everywhere.

#### APPLICATIONS :

- Circulation of hazardous chemicals
- Sewage and toxic liquids.
- Handling Industrial Slurries
- Handling viscous liquids like Molten Sulphur, Molten Lead etc.
- Acids & Alkalis.

#### RANGE :

**Capacity :** Upto 1500 M<sup>3</sup>/Hr  
**Temperature :** 20°C to 200°C  
**Head :** Upto 140 MLC

**Size :** 25mm to 300 mm  
**Working Pressure :** 25 Kg/ cm<sup>2</sup>  
**Pump Setting :** Upto 5 mts



#### DESIGN FEATURES :

1. Closed type and Semi-open type Impeller designs are offered to handle a variety of Liquids. Impeller & Casing are designed for maximum hydraulic efficiency and minimum thrust on rotating assembly.
2. Unique space-saving design due to vertical mounting of Pump. Impeller Casing totally submerged in liquid so no priming or air venting required. Inside tank & outside tank mounting designs available for respective applications.
3. Glandless type and/or Vapour sealing type execution available. In Vapour sealing design, the gland & acid resistant asbestos packing prevents the leakage of vapours of hazardous liquids from coming out. Thus the environment is kept free from pollution & dangers of inflammable obnoxious liquids.
4. Jacketed stuffing box/bearing housing designs available for high temperature. Jacketed construction for pump is given for handling viscous liquids like molten Sulphur, Molten Lead etc.
5. Discharge/Suction flanges conform to ASA/DIN/BS standards.

#### MATERIAL OF CONSTRUCTION :

Graded Cast Iron, Cast Steels, CA15, CF8M, Ni-Resist, DIN 4136, 28/2 CrMo Steel, CN7M, R- 55, CD4MCu, Hastalloy grades & Special Stainless Steel Alloys.

- In search of excellence, we reserve our right to alter or change specifications without prior notice.

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