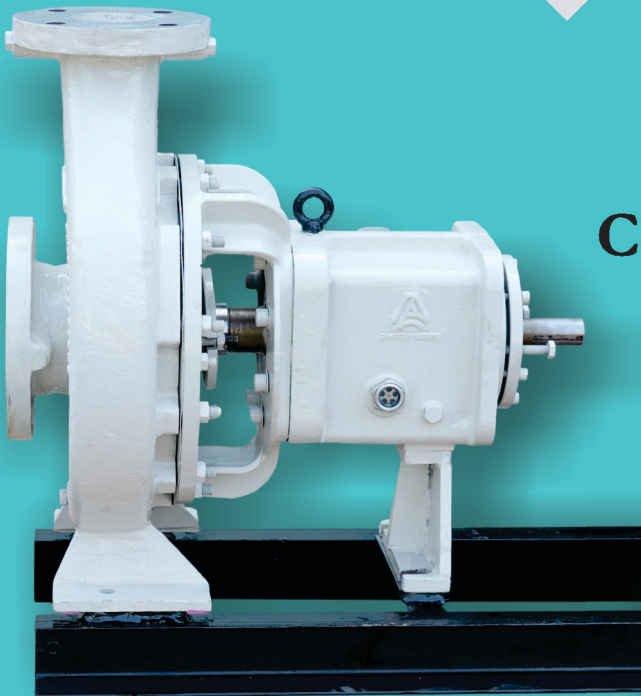
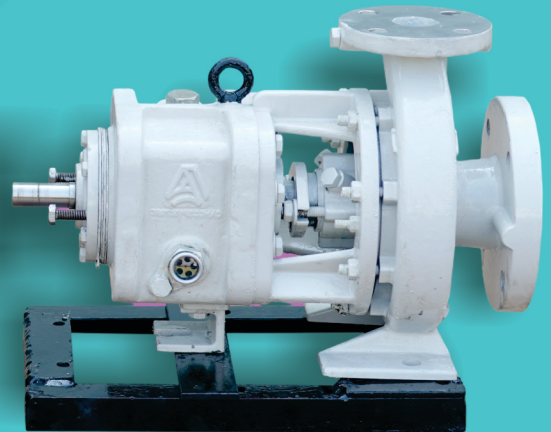




CHEMLIN[®]



CCSO CHEMICAL PROCESS PUMP



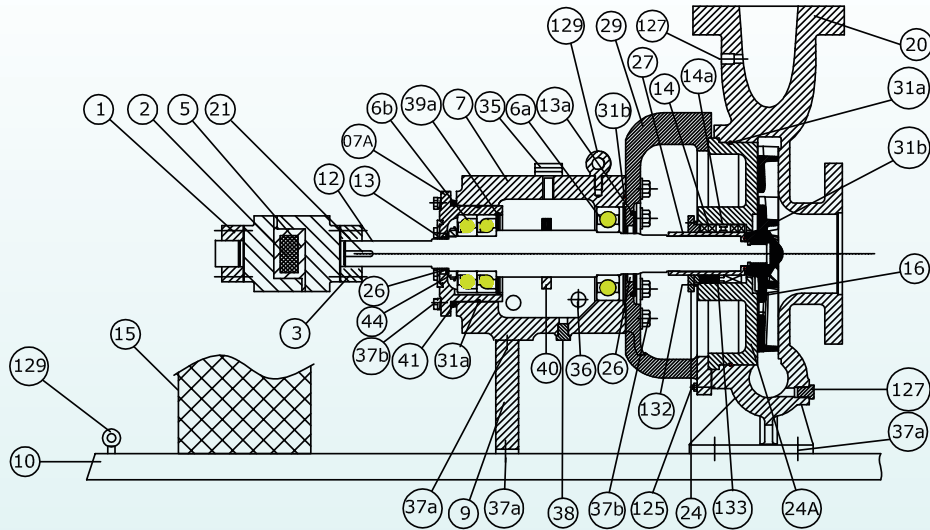
ANSI B73.1 STANDARD



Reg. No. 9910000526

Designed to meet your Specifications!

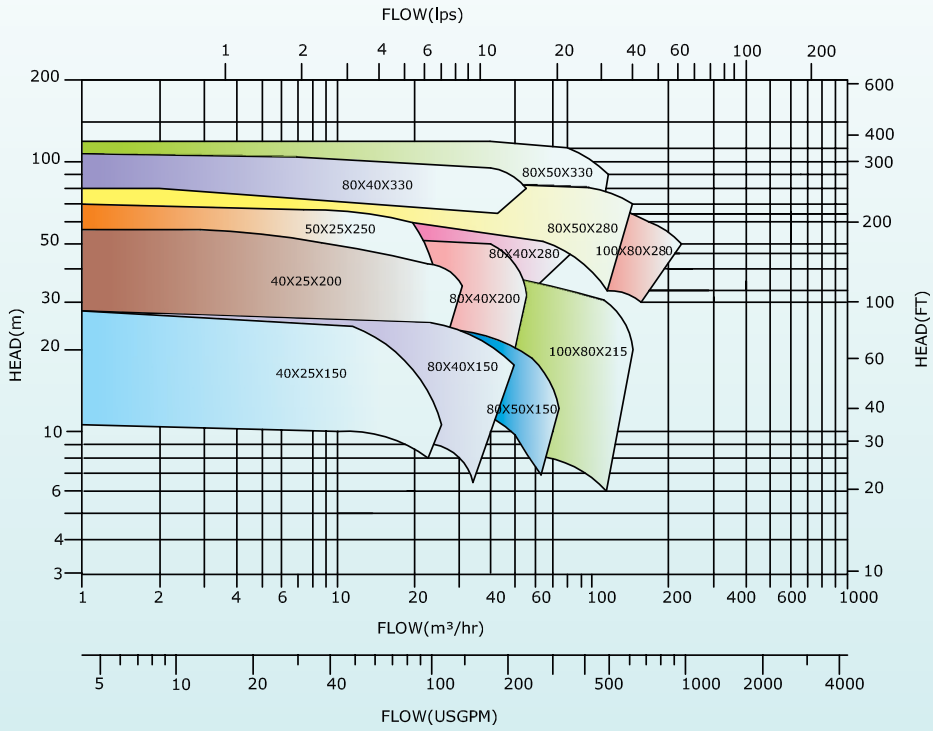
PART LIST



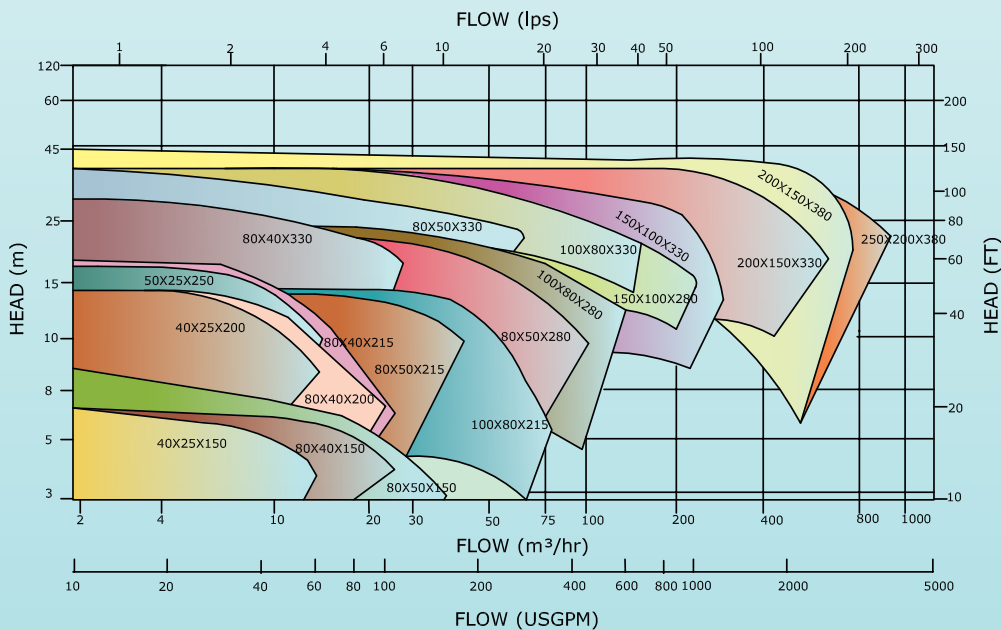
NO	PART	QTY	MATERIAL	
1	MOTOR HALF COUPLING	1	CI	CS
2	SPIDER / SNAP WRAP	1	RUBBER	
3	PUMP HALF COUPLING	1	CI	CS
5	COUPLING SPACER	1	CI	AL
6a	INBOARD BALL BEARING	1	CS	
6b	OUTBOARD BALL BEARING	1	CS	
7	BEARING FRAME	1	CI	CS SS
7A	HOUSING BEARING	1	CI	CS SS
9	SUPPORT FOOT	1	CI	CS SS
10	BASE PLATE	1	MS	SS
12	SHAFT	1	CS	SS
13	DEFLECTOR HOUSING	1	NON ASBESTOS/PTFE	
13a	DEFLECTOR CONNECTING ADAPTER	1	NON ASBESTOS/PTFE	
14	GLAND PACKING	1SET	ASBESTOS/PTFE	
14a	LANTERN RING	1	CS	MS SS
15	COUPLING GUARD	1	CS	MS
16	IMPELLER (SEMI OPEN)	1	CI	CS SS
20	VOLUTE CASING	1	CI	CS SS
21	COUPLING KEY	1	CS	SS
24	GLAND PLATE/PUSHER	1	CI	CS SS
24A	STUFFING BOX	1	CI	CS SS
26	OIL SEAL	2	RUBBER	
27	SHAFT SLEEVE	1	CI	CS SS
29	CONNECTING ADAPTER	1	CI	CS SS
31a	'O' RING	3	VITON	RUBBER
31b	'O' RING	1	VITON	RUBBER
35	BREATHER PLUG	1	C.S	
36	OIL LEVEL INDICATOR/LEVELLER	1	AL	PL
37a	HEX SCREW & WASHER	1SET	MS	SS
37b	HEX SCREW & WASHER	1SET	MS	SS
38	OIL DRAIN PLUG	1	CI	CS
39a	CIRCLIP EXTERNAL	1	C.S.	
40	THROWER	1SET	METALLIC/NON METALLIC	
41	SHIM	1SET	METALLIC/NON METALLIC	
125	STUDS & HEX NUTS	1SET	MS	SS
127	PLUG	5	CI	CS SS
129	LIFTING EYE BOLT	3	MS	SS
132	STUD WITH NUT	1SET	MS	SS
133	MECHANICAL SEAL	1SET	BEST INDIAN MAKE	

* Direction of rotation is clockwise as viewed from Coupling End

2900 R.P.M.

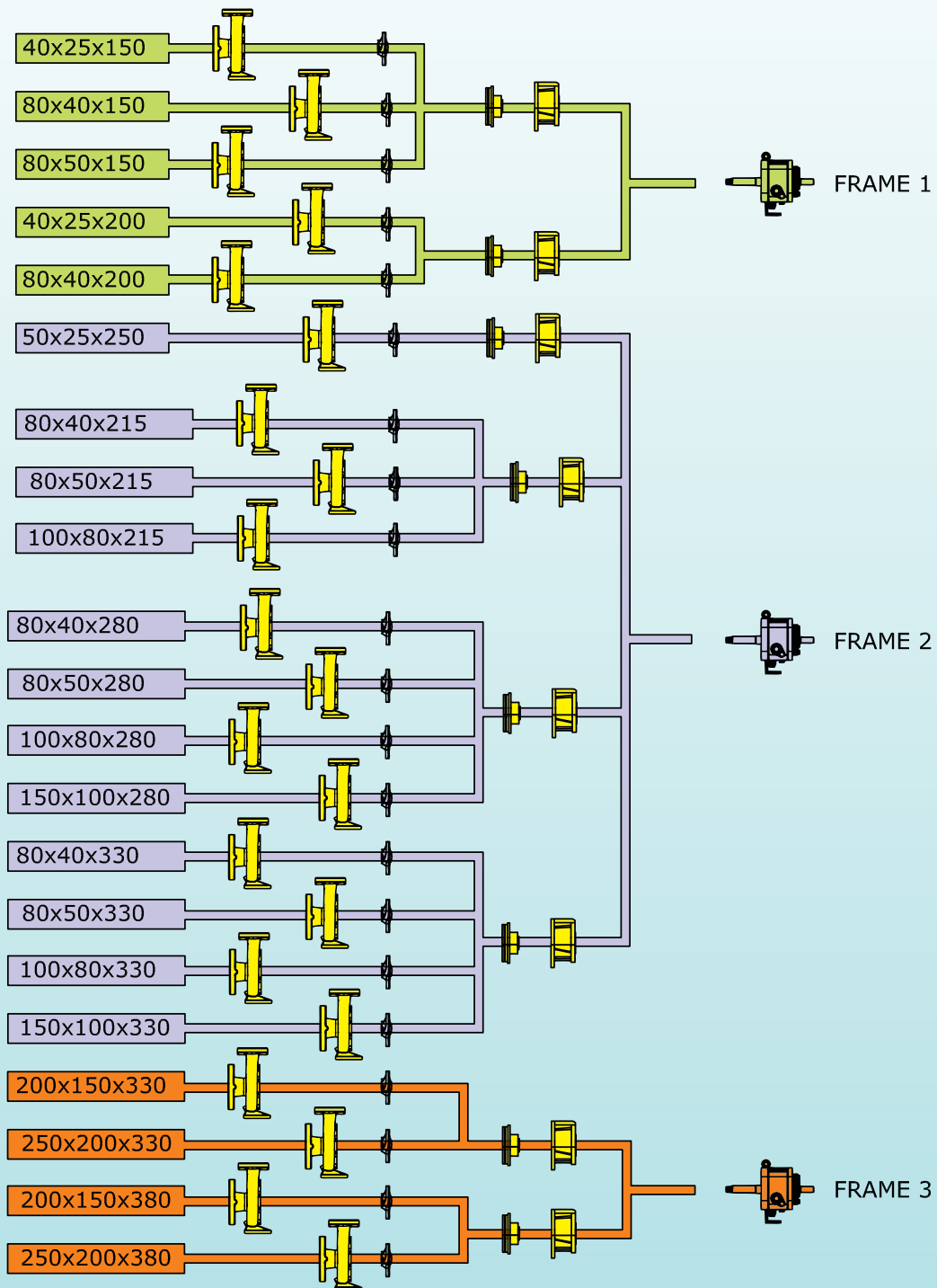


1450 R.P.M.



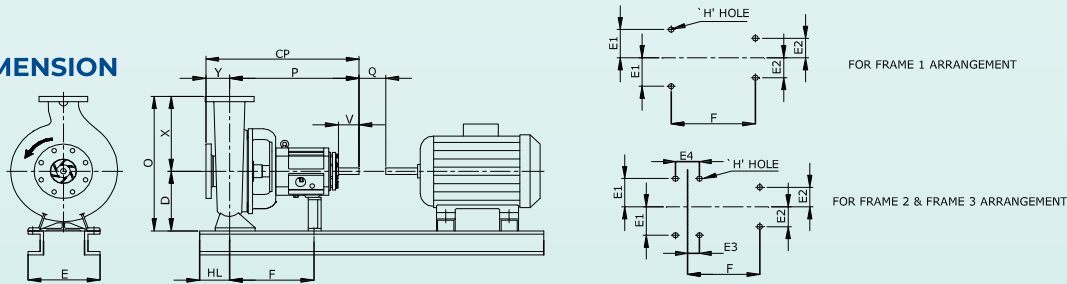
INTERCHANGEABILITY/ STANDARD MODELS

All Pumps With same Bearing Assembly have same Shaft, Ball bearing etc. The Seal assembly and Adapter are same for several Pump sizes, Hence Inventory Management is easier and cost effective.



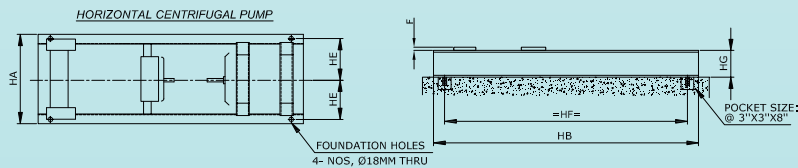
Chemlin Horizontal Process Pump Model CCSO has 21 standard models with good interchangeability Parts with a 3-bearing frame assembly, 8 connecting adapters, and 8 stuffing boxes.

OVERALL DIMENSION



	SUCT.	DISCH.	CP	D	2E1	2E2	E3	E4	F	H	X	Y	O	V	U	P	Q	E
40x25x150	40	25	445	133	152	0	--	--	184	16	165	102	298	51	22.2	343	100	191
80x40x150	80	40	445	133	152	0	--	--	184	16	165	102	298	51	22.2	343	100	191
80x50x150	80	50	445	133	152	0	--	--	184	16	165	102	298	51	22.2	343	100	191
40x25x200	40	25	445	133	152	0	--	--	184	16	165	102	298	51	22.2	343	100	191
80x40x200	80	40	445	133	152	0	--	--	184	16	165	102	298	51	22.2	343	100	191
50x25x250	50	25	597	210	248	184	72.5	110	318	16	216	102	425	67	28.5	495	140	286
80x40x215	80	40	597	210	248	184	74	110	318	16	216	102	425	67	22.2	495	140	286
80x50x215	80	50	597	210	248	184	74.5	110	318	16	242	102	450	67	22.2	495	140	286
100x80x215	100	80	597	210	248	184	77.5	110	318	16	280	102	490	67	22.2	495	140	286
80x40x280	80	40	597	210	248	184	74.5	110	318	16	267	102	520	67	22.2	495	140	286
80x50x280	80	50	597	254	248	184	77	110	318	16	292	102	546	67	22.2	495	140	286
100x80x280	100	80	597	254	248	184	33	110	318	16	318	102	571	67	22.2	495	140	286
150x100x280	150	100	597	254	248	184	76	110	318	16	343	102	597	67	22.2	495	140	286
80x40x330	80	40	597	254	248	184	74.5	110	318	16	266	102	520	67	22.2	495	140	286
80x50x330	80	50	597	254	248	184	82.5	110	318	16	292	102	546	67	22.2	495	140	286
100x80x330	100	80	597	254	248	184	81.5	110	318	16	318	102	572	67	22.2	495	140	286
150x100x330	150	100	597	254	248	184	77	110	318	16	343	102	597	67	22.2	495	140	286
200x150x330	200	150	860	368	406	229	67	110	476	22	406	152	775	102	60.3	495	180	451
250x200x330	250	200	860	368	406	229	--	110	476	22	165	152	826	102	60.3	495	180	451
200x150x380	200	150	860	368	406	229	55	110	476	22	165	152	826	102	60.3	495	180	451
250x200x380	250	200	860	368	406	229	55	110	476	22	165	152	851	102	60.3	495	180	451

BASE PLATE DIMENSION



FRAME SIZE	BASE PLATE NO	MOTOR KW	MOTOR FRAME SIZE	HA	HB	HF	HE	HG	H	F
FRAME 1	1	0.37 TO 2.2	71M-90L	254	889	813	107	75	18	12
	2	3.7 TO 7.5	100L-132S	305	991	915	132.5	75	18	12
	3	9.3 TO 15	160M-200M	381	1168	1092	170	100	18	12
	4	18.5 TO 30	160M-200M	381	1168	1092	170	125	18	12
FRAME 2	5	1.1 TO 7.5	80M-132S	305	1143	1067	132	75	18	12
	6	9.3 TO 15	160M	381	1321	1245	170	100	18	12
	7	18.5 TO 30	160L-200L	381	1321	1245	170	125	18	12
	8	37 TO 45	200L-225M	457	1473	1397	208	150	18	12
	9	55 TO 75	250S-280S	457	1473	1397	208	200	18	12
	10	90 TO 110	280S-315S	457	1524	1448	208	250	18	12
FRAME 3	11	5.5 TO 15	132S-160M	660	1575	1499	310	100	18	12
	12	18.5 TO 45	160L-225M	559	1730	1654	259	150	18	12
	13	55 TO 90	250M-280S	559	2032	1956	259	200	18	12
	14	110 TO 200	315S-355L	660	1880	1804	310	250	18	12

*NOTE : Dimensions given in catalogue are only indicative & should not be used for construction of foundation unless certified.



Chemlin Pumps are manufactured at a modern manufacturing set up at Kagal since 1987. This Plant has a state-of-Art technology and instrumentation for Pump testing which is done by using a modern computerized Pump testing facility.

'Chemlin' has a strong, experienced and dedicated workforce led by Technocrats with years of experience of handling various grades of material 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 location in 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 product are designed and manufactured to International standards and offer all desired feature and option for maintenance free operation. Chemlin brand products are serving the Chemical and Process industry for over last three decades and are the first choice of Maintenance Engineers.

Chemlin Pumps are built using quality materials. Precision workmanship and thorough testing of parts subjected to abrasion are heat-treated. Units are built with standard dimensions, and accuracy is maintained. The pumps are manufactured to DIN, ISO, and ANSI Standards. Many of the important features of the pump generally comply with API 610 6th Edition.

APPLICATIONS :

- De-watering & de-inking
- General refinery services
- Pharmaceutical
- Non API 610 chemical / Process application
- De-mineralized water
- Condensates
- Chemical / Process liquor transfer
- Acidic & Alkaline Chemical/Process liquors chemical / Process

RANGE :

Capacity : 1000 m³/hr
Temperature : up to 200°C
Head : up to 120 m
Size : 25mm to 200mm
Working Pressure : 10 to 20 BAR

DESIGN FEATURES :

1. CCSO Pumps have interchangeable parts.
2. To suit Acidic/Alkaline and Erosive/Corrosive Chemical/Process liquors.
3. Minimize NPSH required and maximize efficiency.
4. Rugged Casing and Bearing frames maximize rigidity and eliminate potential vibration.
5. Axially adjusted Impeller via the rear bearing housing assembly to maintain optimal Pump Performance.

MATERIAL OF CONSTRUCTION :

Cast Iron , Cast Steel, Stainless Steel of different grades, Non- Ferrous materials, DIN 4136, CA 15, CA6NM, CN7M, R- 55, CD4MCu, Hastalloy grades and Special Alloy Steels.

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



Reg. No. 9910000526

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- Website : www.chemlinindia.com

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