

## "CFS" SERIES

### APPLICATION

- Milk, Cream, Butter Milk, Condensed Milk
- Fruit Juice, Beer, Wine, Sugar Syrup
- Vitamin Solutions, Sugar & Confectionery.
- RO Water, DM Water, Pure Water. Water for Injection (WFI)
- Vegetable Oil, Mineral Oil, Lub Oil etc.
- Pharmaceutical Formulations, Syrup etc.
- Alkaline Solution / Alcoholic Drinks.
- Acids, Fine Chemicals
- Bottling Plants, Soft Drinks & Distillery
- Food Processing / Liquid Food Stuffs
- Colour dyes and Pigments / Paints
- Descaling Applications, Paper & Cement Industries
- Water Treatment Plants
- Detergent, Soaps, Paste & Shampoo
- Textile Sizing, Dyeing & Finishing Systems
- Natural Cellulose Fiber / Synthetic Fiber System
- Hot & Cold Water Pumping.

### STAINLESS STEEL CENTRIFUGAL PUMP



### FEATURES

- As all pumps are made from rolled stainless steel, mechanical properties are far superior than cast material.
- Pore free, non-pitting and non-adhering smoother surface, so lesser friction losses, and lesser service corrosion.
- Super finish surface also ensure no ingress or emission of germs or impurities during pumping or idling which is a basic requirement of sterile hygienic application.
- Designed for CIP (clean in place) or manual cleaning
- Pumps are highly energy efficient and requires lesser NPSH to function without cavitations
- Pump can handle liquids having viscosities up to 1500 centipoises
- The pumps can work under a vacuum of 720 mm of Hg, suitable for vacuum evaporators.
- Pumps are available with open/semi open impellers.
- The best elastomers are used in the pumps to provide optimum resistance for high temperatures and chemicals.
- Minimum working / rotating parts
- Safe and quiet operation levels.
- Gentle product handling with lower maintenance and downtime cost.
- Dynamic combinations of seal faces as per customer's requirement (single seal / double seal, seal external cooling)
- Suitable for standard motor or flange type or foot cum flange type motor or engine
- Monoblock or bare pumps or with trolley
- Also with flame proof motors
- Various types of connection like – tri' clove joints SMS, flanges or threaded nipple/coupling.
- Pumps with adjustable legs, available on request..

### RANGE

- **Motor HP** : 0.25 HP TO 30 HP
- **Head** : 04 Meters to 80 Meters
- **Capacity** : 04 Lpm TO 2000 Lpm

### MATERIAL OF CONSTRUCTION

- **Casing** : AISI 316 / 316L / 304L / 304
- **Impeller** : AISI 316 / 316L / 304L / 304
- **Wear Plate** : AISI 316 / 316L / 304L / 304
- **Shaft** : AISI 316 / 316L / 304L / 304
- **Seal** : TC/TC , SIC/SIC , SS/Carbon or even seal in special application
- **Motor Cover** : SS-304 / SS-202 / SS-316
- **Gasket** : Viton / Nitrile / Silicon / PTFE



**SHEAR PUMP**

**"CFS" SERIES**
**WATER RATING CHART**

Model	HP	Size	(Head in Metres) Discharge in LPM at 2900 RPM													
			3	5	7	10	12	15	17	20	22	25	27	30	35	40
CFS-1	0.25	12 X 12	40	32	-	-	-	-	-	-	-	-	-	-	-	-
CFS-2	0.5	25 x 25	-	100	45	-	-	-	-	-	-	-	-	-	-	-
CFS-3	1	25 X 25	-	-	140	120	70	35	-	-	-	-	-	-	-	-
CFS-3A	1	38 X 38	-	-	181	95	50	-	-	-	-	-	-	-	-	-
CFS-4A	1.5	35 X 38	-	-	-	-	-	160	130	90	75	-	-	-	-	-
CFS-4B	1.5	50 X 50	-	-	-	-	250	166	85	-	-	-	-	-	-	-
CFS-5A	2	38 X 38	-	-	-	-	225	190	155	105	78	40	-	-	-	-
CFS-5B	2	50 X 50	-	-	330	250	160	80	-	-	-	-	-	-	-	-
CFS-6A	3	50 X 38	-	-	-	-	-	-	250	220	180	135	108	50	-	-
CFS-6B	3	50 X 50	-	-	-	-	-	-	330	300	280	225	150	85	-	-

MODEL	HP	SIZE	(Head in Metres) Discharge in LPM at 2900 RPM									
			16	20	24	28	32	36	40	44	48	
CFS-7A	5	50 X 38	-	-	260	230	190	145	90	-	-	
CFS-7B	5	65 X 50	400	370	300	230	180	-	-	-	-	
CFS-8A	7.5	50 X 38	-	-	290	280	250	225	190	120	60	
CFS-8B	7.5	65 X 50	500	450	385	280	230	-	-	-	-	
CFS-9A	10	50 X 38	-	500	480	470	450	410	350	290	190	
CFS-9B	10	65 X 50	560	510	450	370	280	210	150	-	-	

