














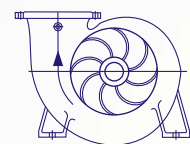


## A WIDE RANGE OF PUMPS

Pump Type	 Multistage	 Horizontal Split Casing	 Water / Process	 Axial Flow	 Non Clog
Capacity up to (m <sup>3</sup> / hr)	1,000	10,000	1,000	20,000	2,000
Head upto (m)	1,100	180	140	10	60

Pump Type	 Mixed - Flow	 Vertical Turbine Vertical Mixed Flow Vertical Axial Flow	 Liquid Ring Vacuum	 Gear	 Lobe
Capacity up to (m <sup>3</sup> / hr)	7,000	20,000	4,975	150	100
Head upto (m)	45	300	Vaccum upto 685mm of Hg	100	50

Pump Type	 Torque Flow	 Rota	 Self - Priming	 Dual Plate NRV	 Vertical Sump
Capacity up to (m <sup>3</sup> / hr)	1,500	100	250	750	600
Head upto (m)	100	50	50		100

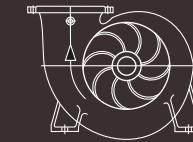


# SINTECH

**SINTECH PRECISION PRODUCTS LTD.**

C-189-190, Site No.1, Bulandshahar Road Industrial Area, P.B. No. 92, Ghaziabad - 201001 (U.P.)  
Ph. : 0120 - 2866320, 2866321, 3090637, 3090638, 3090635 Fax : 0120 - 2867715, 2751036,  
Email : info@sintechpumps.com Website : www.sintechpumps.com

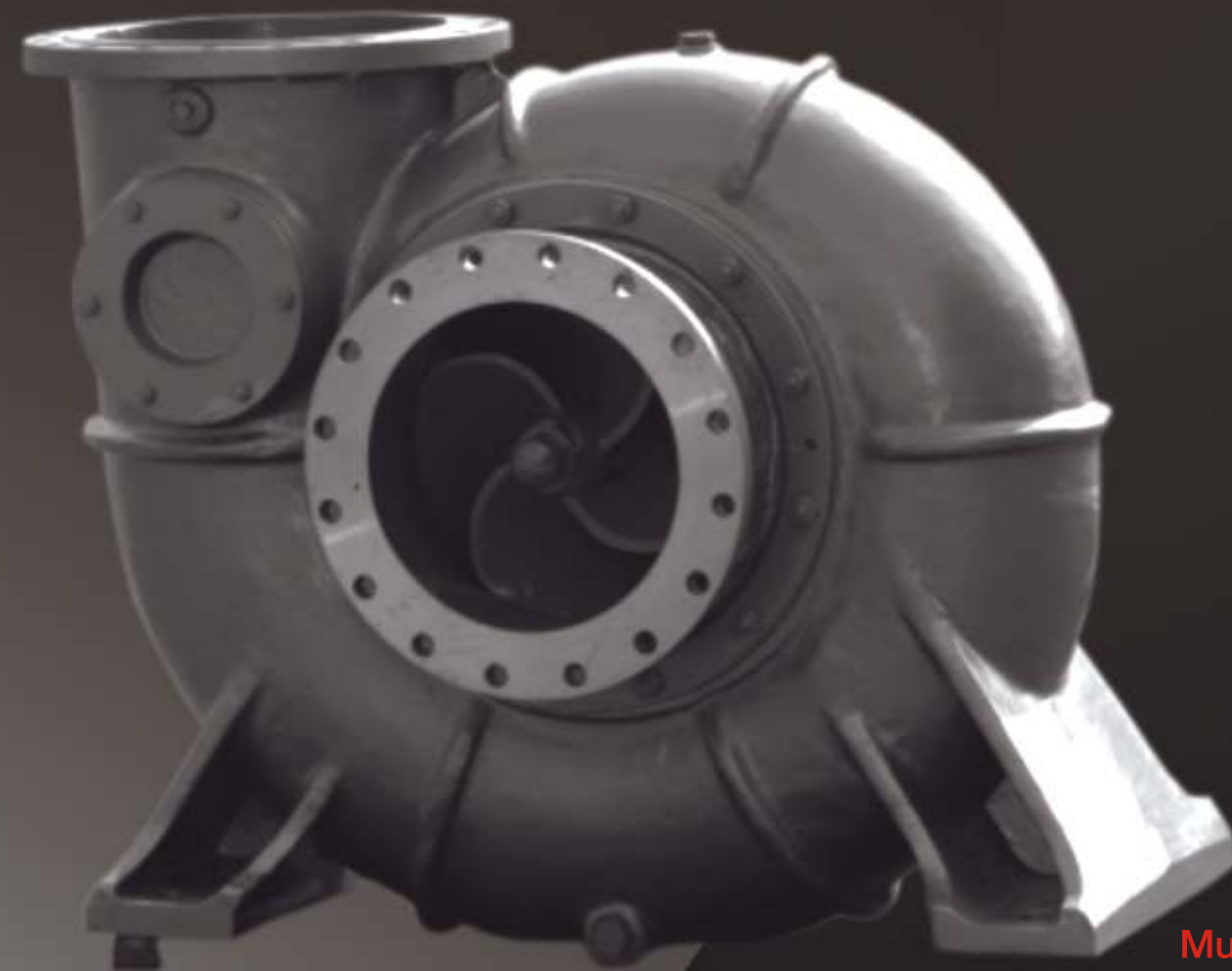
arthil165@hotmail.com



# SINTECH

## MIXED - FLOW PUMPS

TYPE : SMF



### Multiple Usage

- Sugar, Pulp & Paper
- General water supply
- Power
- Breweries & Distilleries
- Sewage disposal
- Irrigation
- Cooling water

# Sintech Mixed - Flow Pumps

Type: SMF

Range : Capacity upto 7,000 m<sup>3</sup>/hr  
Head upto 45 m

Features : Closed or Semi-open Impeller  
Different Orientation of Delivery Nozzle.  
Vertical Execution

The SMF series are single-stage centrifugal pumps suitable for handling pure or contaminated liquids in large quantities. These pumps are of robust construction and have long working life. These pumps are also low in energy consumption due to very good efficiency.

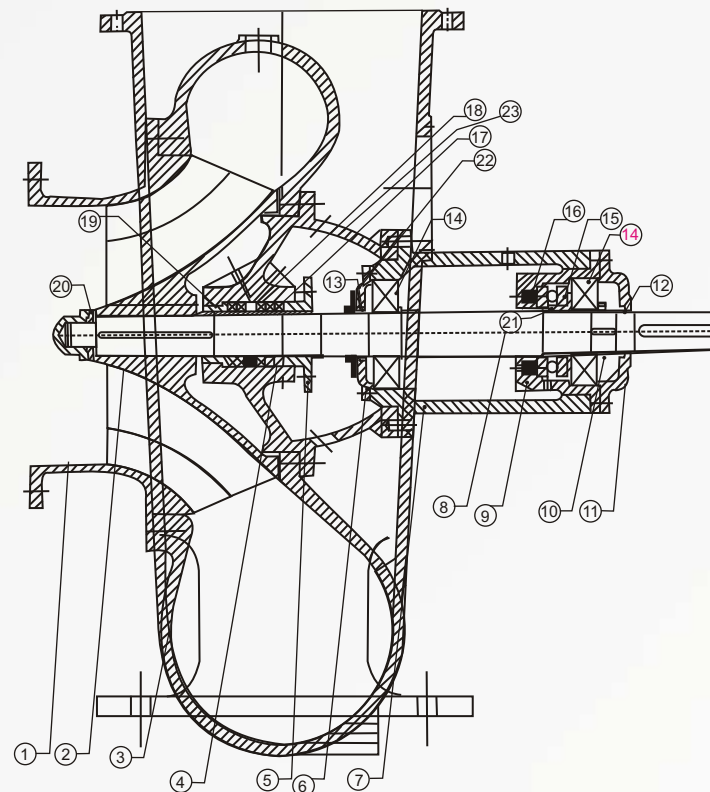
The precision machined pump shaft is seated in amply oil/grease lubricated bearings and protected by a shaft sleeve in the stuffing box area. The integrally cast feet of the casing transmit any forces originating from the pipework directly to the foundation, this means that the rotor is not subject to any bending and thus optimal working life of the bearings is assured.

Direction of rotation for the pump is clockwise, when viewed from the driven end.

Electric motors can be used as the prime mover. With diesel engine as the prime-mover, the pump's direction of rotation is anticlockwise from the driven end.

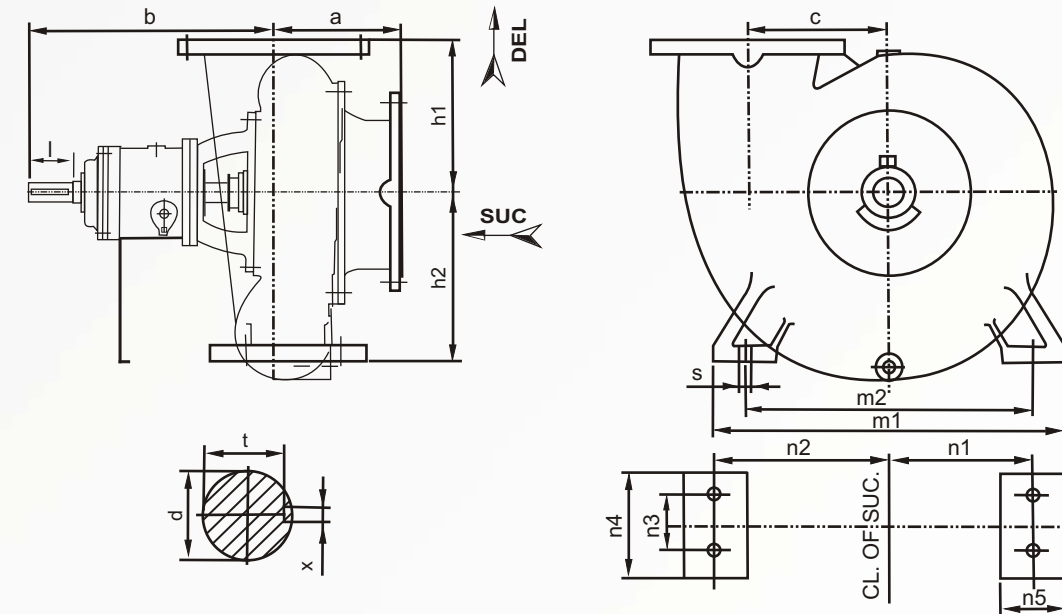
These pumps can be supplied in standard Cast Iron or in any other non-standard or special material combinations.

## CROSS - SECTIONAL DRAWING



Part No.	Part Name	Qty.
1	Suction Cover	1
2	Impeller	1
3	Body	1
4	Sleeve	1
5	Gland	1
6	Inner bearing Cover	1
7	Bearing Housing	1
8	Shaft	1
9	Small Bearing Housing	1
10	Chuck Nut & L. Washer	1
11	Outer Bearing Cover	1
12	Oil Seal	1
13	Oil Seal	1
14	Bearing	2
15	Bearing	1
16	Spring	6
17	Gland Packing	6
18	Lantern Ring	1
19	Gland Bush	1
20	Dome Nut	1
21	Thrust Bearing Bush	1
22	Slinger	1
23	Gland Housing	1

## GENERAL DIMENSIONS OF SMF PUMPS



Model	Suction	Delivery	a	b	h1	h2	c	m1	m2	n1	n2	n3	n4	n5	l	d	t	x
250-250	250	250	245	620	285	315	268	720	590	295	295	220	320	130	110	42	38	12
250-300	250	300	245	620	320	355	268	835	695	315	380	280	380	140	110	42	38	12
300-300	300	300	285	620	320	355	268	835	695	315	380	280	380	140	110	42	38	12
300-350	300	350	295	707	370	400	355	1020	850	425	425	320	430	170	120	50	45	14
350-350	350	350	340	670	400	400	375	1020	850	385	465	340	450	170	120	50	45	14
350-400	350	400	340	670	440	500	415	1200	1000	500	500	370	500	200	120	50	45	14
400-400	400	400	390	872	450	470	428	1396	1200	600	600	380	520	196	170	70	63	20
400-450	400	450	400	862	500	600	475	1325	1125	562.5	562.5	480	600	200	170	70	63	20
500-500	500	500	490	961	625	600	535	1400	1200	600	600	440	570	200	170	80	73	23.5
550-600	550	600	540	920	680	800	650	1750	1500	675	825	610	800	250	170	80	73	23.5
600-600	600	600	590	1047	680	710	640	1750	1480	665	815	550	750	270	210	100	91	28
600-650	600	650	590	1047	850	800	710	2000	1730	790	940	650	800	270	210	100	91	28

All dimensions in mm

## Interchangeability of Components :

Pump Size	Delivery Casing	Gland Plate/distance Piece	Impeller	Thrust Brg. Adaptor	Shaft	Suction Cover	Bearings	Bearings Housing	Bearing Cover NDE	Bearing Cover DE	Oil Seal	Gland flange	Gland Packing	Slinger	Sleeve	Small Bearing Housing	Impeller Nut
250-250	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
250-300	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
300-300H	2	1	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1
300-350	3	2	3	2	2	3	2	2	2	2	2	2	2	2	2	2	2
350-350	3	2	4	2	2	4	2	2	2	2	2	2	2	2	2	2	2
350-400	4	2	4	2	2	4	2	2	2	2	2	2	2	2	2	2	2
400-400	4	3	5	3	3	5	3	3	3	3	3	3	3	3	3	3	3
400-450	5	3	5	3	3	5	3	3	3	3	3	3	3	3	3	3	3
500-500	6	4	6	4	4	6	4	4	4	4	4	4	4	4	4	4	4
550-600	7	4	7	4	4	7	4	4	4	4	4	4	4	4	4	4	4
600-600	8	5	8	5	5	8	5	5	5	5	5	5	5	5	5	5	5
600-650	9	5	9	5	5	9	5	5	5	5	5	5	5	5	5	5	5

Note :- As we are constantly endeavouring to improve our designs, the dimensions are subject to changes.