



**V-4
STD**

MIX FLOW SUBMERSIBLE PUMPSET

SPECIFICATIONS	
Power Range	0.37 kW to 5.5 kW (0.50 HP to 7.50 HP)
Speed	2800 RPM
Version : Single Phase 160V to 230V, Three Phase 350 to 415V, 50Hz AC Supply. (Single Phase Available in 0.5 HP to 5.0 HP/Three Phase Available in 1HP to 5.0HP)	
Maximum Total Head	20 Mtr. to 415 Mtr.
Maximum Flow Rate	450 LPM to 10 LPM
Nominal Outlet size in inches	2.50 Inches
Degree of Protection	IP 58
Maximum outer Diameter in mm	Suitable for 100mm bore
Direction of Rotation	Counter clockwise from driving end -1 Ph, Electrically Reversible -3 Ph
Mini. Cooling flow along the motor	0.15 m/sec.
Type of Duty	S1 (Continues)
Method of Starting	1ph-Capa. Start Capa. Run (CSCR):3ph - Direct Online
Maximum Starts per hour	10 times

FEATURES
<ul style="list-style-type: none"> ● High Operating efficiency ● Precise part for hygiene, Highly durable Extremely hardwearing water lubricated bushes. ● Good resistance to sand ● Water cooled rewindable motor Can be easily dismantled and repaired Can handle up thrust loads. ● Unique SINGLE PIECE STAINLESS STEEL MOTOR BODY design - More strength. Designed for wide voltage fluctuations.

APPLICATIONS
<ul style="list-style-type: none"> ▪ Residence ▪ Small Farms ▪ Nurseries ▪ Hotels ▪ Small Industries ▪ Gardens & Fountains

PUMPED LIQUIDS
Clean, thin, non-aggressive, non-explosive, clear cold, fresh water without solid particles or fibre.

MOTOR	PUMP
Motor Shaft : Stainless Steel AISI 410	Bowl& Impeller : Modified PPGF (Noryl)
Motor Body Pipe : Stainless Steel AISI 202	Suction& NRV : CI FG:200
Casting Part : CI FG:200	Pump Shaft : Stainless Steel AISI 410
Thrust Bearing : Carbon v/s S.S., Teflon	Pump casing : Stainless Steel AISI 202
Motor Bush : LTB-4	All Hardware : Stainless Steel
Stamping : Silicon Steel	Pump Bush : NBR / LTB4
Copper : EC Grade 99.9%	Pump Sleeve / Coupling : SS-410
Winding Wire : Multilayer Polyester Insu.	
Oil Seal : NBR	



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Pump Type	Group	Bowl & Impeller	Version	Volt	Outer Diameter	Suitable for
V4 STD Mix Flow	Mix Flow	CI + PPGF (Noryl)	Single Phase Three Phase	220 Volt 50Hz 415 Volt 50Hz	Motor - 98 mm Pump - 90 mm	100 mm Borewell

Max. Head Per Stage : 20 Feet

FM4-18 MIX FLOW (CI)	DISCHARGE IN L.P.M.					0	175	200	235	280	335	375	435
	Sr.	Model	H.P.	STG	Del in Inch	Total Head in Meters							
	1	FM418MF-2007	2.00	7	2.50"	39	35	32	28	25	21	18	14
2	FM418MF-3090	3.00	9	2.50"	50	45	41	36	32	27	23	18	
3	FM418MF-4011	4.00	11	2.50"	61	55	50	44	39	33	28	22	
4	FM418MF-5014	5.00	14	2.50"	77	70	63	56	49	42	35	28	

Max. Head Per Stage : 20 Feet

FM4-20MIX FLOW (CI)	DISCHARGE IN L.P.M.					0	185	205	260	335	375	405	445
	Sr.	Model	H.P.	STG	Del in Inch	Total Head in Meters							
	1	FM420MF-2005	2.00	5	2.50"	29	28	25	23	20	18	15	10
2	FM420MF-3007	3.00	7	2.50"	41	39	35	32	28	25	21	14	
3	FM420MF-4009	4.00	9	2.50"	52	50	45	41	36	32	27	18	
4	FM420MF-5011	5.00	11	2.50"	64	61	55	50	44	39	33	22	
5	FM420MF-6014	6.00	14	2.50"	81	77	70	63	56	49	42	28	
6	FM420MF-7518	7.50	18	2.50"	104	99	90	81	72	63	54	36	

