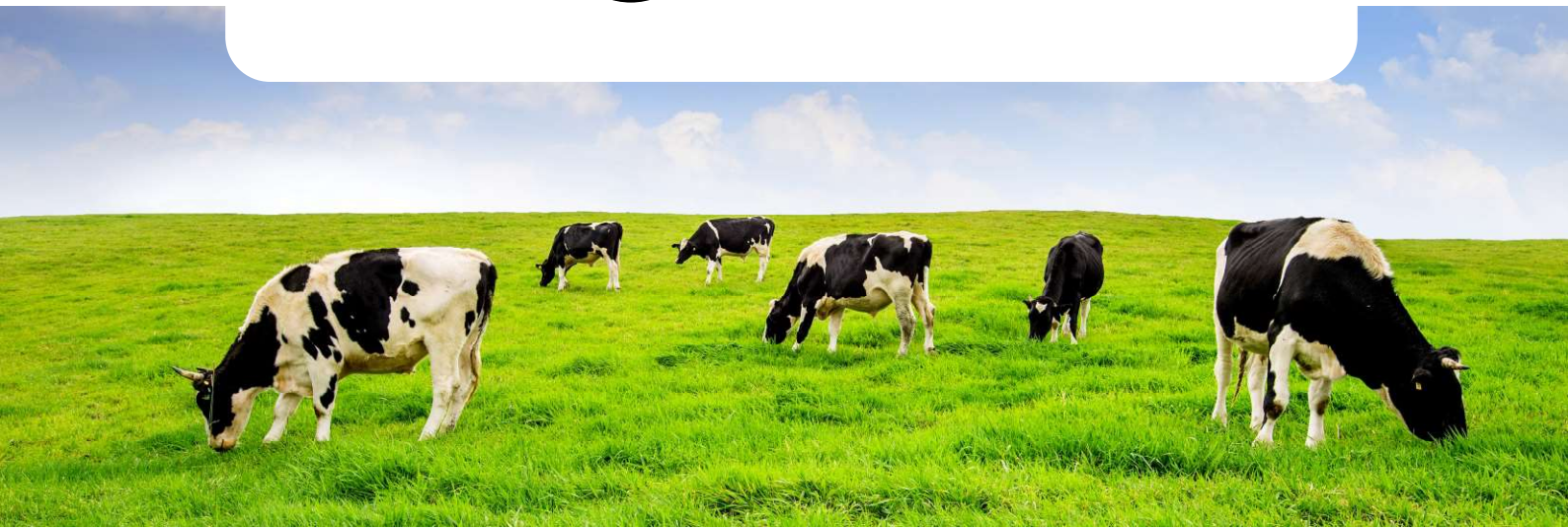




MECHLION[®]
PUMPS



OPEN WELL SUBMERSIBLE PUMP 50 Hz

Horizontal Multistage Open Well

Vertical Multistage Open Well

Single stage horizontal Open Well





HMOW / VMOW / HOP / SSOW Series

MECHLION open well submersible pumps are designed to handle Clearwater suitable for Open Well / Tanks. It is of submersible Monoblock design, which eliminates the problems pertaining to the suction and priming. The pumps are water cooled design.

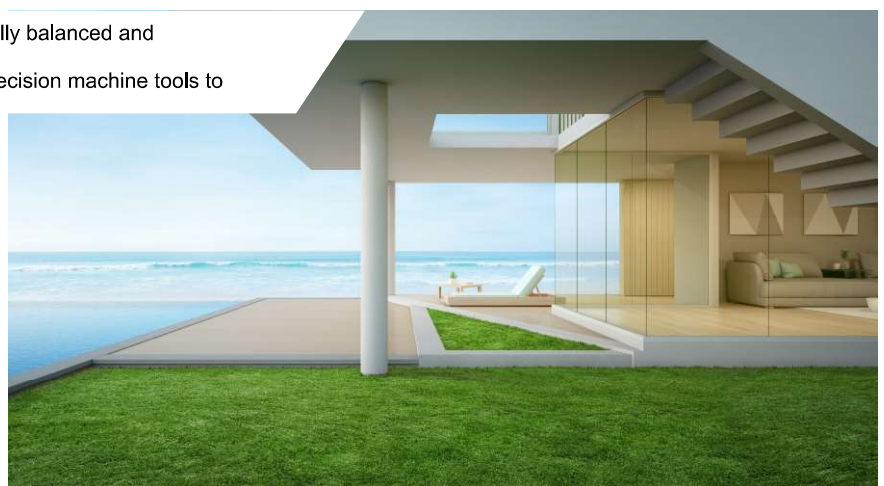
It is suitable for pumping clean, cold, fresh, non-aggressive, non-explosive water without abrasives, solid particles or fibres. Precision balancing of all factors in their design provide this efficient operation along with the mechanical dependability and low-cost maintenance.

MECHLION open well submersible pump by means of simplicity of design ensure long lasting and efficient performance and minimise power consumption. All parts are standardised and precisely machined for perfect alignment, increasing overall durability. Impellers are dynamically balance thereby offers high operating efficiency.



SALIENT FEATURES

- The pump and motor being single unit no alignment coupling is required.
- The motor is wet type water cooled and water lubricated design. Motor is designed with higher cooling effect to ensure the life and is available for 3 Phase 415 Volts and single phase 230V A.C supply.
- Motor is wound with PVC coated Poly coated wire of best quality.
- Stator and rotors are manufactured with high quality Silicon stamping to reduce the losses and there increasing efficiency of the motor.
- Stator and rotors are impregnated with synthetic varnish under vacuum and baked under control temperature to get hard finish and corrosion resistance.
- All rotating parts like impeller and rotors are dynamically balanced and All components are precisely machined on modern precision machine tools to give you years of reliable operation.
- It can with stand wide variation of supply voltage
- High overall efficiency results in low power bills.
- Pollution free no contamination of oil and grease
- Easy to dismantle and repair
- Available with 3 metre and 10 metre cable length
- All pumpsets are fully tested prior to despatch.
- Easy Availability of spare parts





HMOW Series - Horizontal Multistage Open Well Series



Power Range	: 0.37 Kw to 7.5 KW(0.5 HP to 10 Hp)
Speed	: 2900 RPM
Supply	: Single Phase 220-240V 50 Hz AC Three Phase 380-415 V 50 Hz AC
Head Range	: 5 m to 120 m
Flow Range	: 25 lpm to 950 lpm
Type of Duty	: S1 Continuous operation
Method of Starting	: Single Phase - CSR/CSCR Three phase : DOL

Product Features :

- Stainless steel motor body, shaft and fasteners
- Dynamically Balanced impeller and rotor shaft
- High grade castings with rust preventive coating
- High quality Polywrap E.C Grade copper wire.
- High quality double lip oil seal
- Anti-Rust Coating parts for long life
- High Quality LTB4 bearing bushes and thrust pad.



Performance table - 5HM / 6HM / 8HM Horizontal Multistage Open Well

Model	Stage	HP	KW	Max Head (m)	Outlet Dia (mm)	Flow in LPM	Total Head (m)																
							5	10	15	20	25	30	35	40	50	60	70	80	90	100	110	120	
5HMOW-05-03	3	0.5	0.37	24	25		68	60	46	25													
5HMOW-10-04	4	1	0.75	30	25		80	72	62	55	42												
5HMOW-10-05	5	1	0.75	39	25		90	84	75	69	57	45	29										
6HMOW-05-05	5	0.5	0.37	40	32			102	93	83	71	61	41										
6HMOW-10-07	7	1	0.75	55	32				102	96	88	80	75	65	41								
6HMOW-15-09	9	1.5	1.1	72	32					101	95	91	85	79	66	50	41						
6HMOW-20-14	14	2	1.5	110	40						98	94	92	90	83	72	69	64	57	33			
6HMOW-20-16	16	2	1.5	125	40							95	93	91	84	73	70	65	59	51	38	25	
8HMOW-20-03	3	2	1.5	45	50		330	300	270	250	220	180											
8HMOW-20-04	4	2	1.5	60	50		220	210	200	190	170	160	150	100									
8HMOW-30-03	3	3	2.2	45	50		390	360	330	300	260	200	130										
8HMOW-30-05	5	3	2.2	75	50		300	295	280	260	250	240	220	150									
8HMOW-50-04	4	5	3.7	60	65		490	480	460	450	420	400	350	250									
8HMOW-50-06	6	5	3.7	90	65		280	270	265	260	250	240	230	225	200	180	110						
8HMOW-75-06	6	7.5	5.5	90	65		500	491	475	466	450	440	420	380	340	275	158						
8HMOW-100-05	5	10	7.5	75	65		945	800	780	750	720	660	640	550	433	200							

All pumps are only suitable for pumping clean, cold, fresh, non-aggressive, non-explosive water without abrasives, solid particles or fibres.



VMOW Series - Vertical Multistage Open Well Series



Power Range	: 0.37 Kw to 5.5 KW(0.5 HP to 7.5 Hp)
Speed	: 2900 RPM
Supply	: Single Phase 220-240V 50 Hz AC Three Phase 380-415 V 50 Hz AC
Head Range	: 20 m to 180 m
Flow Range	: 33 lpm to 300 lpm
Type of Duty	: S1 Continuous operation
Method of Starting	: Single Phase - CSR/CSCR Three phase : DOL



Product Features :

- Stainless steel motor body, shaft and fasteners
- High grade castings with rust preventive coating
- High quality double lip oil seal
- High Quality LTB4 bearing bushes and thrust pad.
- Dynamically Balanced impeller and rotor shaft
- High quality Polywrap E.C Grade copper wire.
- Anti-Rust Coating parts for long life

Performance table - 6VR Vertical Multistage Open Well

Model	Power		Pipe Size in mm	Total Head In Meters															
				20	25	30	35	40	45	50	55	60	65	70	80	90	100		
	Kw	HP		Discharge in LPM															
6VMOW05/05	0.37	0.5	32	83	71	61	41	-	-	-	-	-	-	-	-	-	-	-	
6VMOW10/07	0.75	1	32	96	89	81	73	65	54	41	21	-	-	-	-	-	-	-	
6VMOW15/09	1.1	1.5	32	101	96	91	85	79	74	66	58	50	41	-	-	-	-	-	
6VMOW20/14	1.5	2	40	105	98	94	92	90	86	83	78	72	70	68	64	57	33	-	

Performance table - 8VR Vertical Multistage Open Well

Model	Power		Pipe Size in mm	Total Head In Meters													
				20	40	60	80	100	120	140	160	180	200				
	Kw	HP		Discharge in LPM													
8VMOW200/05	1.5	2	50	225	180	115	-	-	-	-	-	-	-	-	-	-	-
8VMOW300/05	2.2	3	50	235	190	125	-	-	-	-	-	-	-	-	-	-	-
8VMOW300/07	2.2	3	50	170	140	120	90	-	-	-	-	-	-	-	-	-	-
8VMOW500/05	3.75	5	50	465	355	180	-	-	-	-	-	-	-	-	-	-	-
8VMOW500/10	3.75	5	50	240	205	175	145	96	-	-	-	-	-	-	-	-	-
8VMOW500/14	3.75	5	50	310	280	255	230	200	155	125	65	-	-	-	-	-	-
8VMOW500/15	5.5	7.5	50	300	275	260	240	228	205	170	140	100	50	-	-	-	-



All pumps are only suitable for pumping clean, cold, fresh, non-aggressive, non-explosive water without abrasives, solid particles or fibres.



SSOW Series - 100 % Stainless steel Horizontal Open Well



Power Range	: 0.75(1.0 HP)
Speed	: 2900 RPM
Supply	: Single Phase 220-240V 50 Hz AC
Head Range	: 10 m to 35 m
Flow Range	: 18 lpm to 200 lpm
Type of Duty	: S1 Continuous operation
Method of Starting	: Single Phase - CSR/CSCR

India's First
STAINLESS STEEL OPENWELL PUMP

Product Features :

- Stainless steel motor body, shaft and fasteners
- Dynamically Balanced impeller and rotor shaft
- High grade castings with rust preventive coating
- High quality Polywrap E.C Grade copper wire.
- High quality double lip oil seal
- Anti-Rust Coating parts for long life
- High Quality LTB4 bearing bushes and thrust pad.

Performance table - SSOW Series - 100 % Stainless steel Horizontal Open Well

Model	Power		Pipe Size in mm	Total Head In Meters						
	Kw	HP		10	15	20	25	30	35	40
				Discharge in LPM						
SSOW 90	0.75	1	25	185	178	138	83	17	-	-
SSOW 100	0.75	1	25	207	200	163	118	60	-	-
SSOW 110	0.75	1	25	209	203	175	137	85	33	-

