



OSWAL

Ushering in Prosperity

Domestic, Agricultural & Industrial Range....

SUBMERSIBLE PUMPSET V-3 & V-4 (WATER FILLED)



(80, 100 mm)





SUBMERSIBLE PUMPS

OSWAL submersible pumps & motors are well known for its quality, Reliability & excellence for all type of service purpose. **OSWAL** submersible pumps & motors are manufactured under supervision of high qualified technical team with a stage wise rigid inspection procedure under TQM concepts. **OSWAL** team are well known for their excellent services after sales. Application of Bore well submersible pumps are Hospitals, Water circulation systems, Water supply systems of Government, Irrigation, Farms & Drip & sprinkler irrigation, Gardening, Nurseries, Domestic water supply, Multi-storeyed Building, Industries & Hotels.

Salient feature of Borewell submersible pumpsets are Highly efficient & low power consumption, Vibration free, noiseless & Complete absence of suction trouble. **OSWAL** water filled submersible motors are easily rewindable & repairable. Less Maintenance operation due to water lubricated bearing. Excellent design gives higher discharge & head due to efficient motor. Extreme care has taken for selection of rotor, winding wire, bearings & Stator.

OSWAL BORE WELL SUBMERSIBLE PUMPS conform to IS : 8034.

SUBMERSIBLE MOTORS (WATER COOLED)

OSWAL Stator wound with procsynthetic copper wires, which are easily rewindable, Water lubricated & water-cooled. World class designed excellent performance thrust plate are used of S.S. / Carbon that can withstand thrust loads with minimum wear & tear more over it also creates a wedge of water between shoe and the disc so life cycle of thrust plate is increased.

OSWAL WATER COOLED SUBMERSIBLE MOTOR conform to IS : 9283 & pump set IS : 8034.

Specification :

Details	80 mm water filled	100 mm water filled
Power Range	0.5 HP - 1.5 HP (Incorporated with Thermal overload protector**)	0.5 HP - 5 HP - 1 Ph. 0.5 HP - 7.5 HP - 3 Ph. (Incorporated with thermal overload protector**)
Version	200 - 240V, A.C. 50 Hz - 1 Ph.	200 - 240V, A.C. 50 Hz - 1Ph. 380 - 415 V, A.C. 50 Hz - 3Ph.
Speed	2880 rpm.	2880 rpm.
Flow Rate	10 lpm to 65 lpm.	10 lpm to 400 lpm.
Total Head Range	10 mtrs to 105 mtrs.	10 mtrs to 350 mtrs.
Outlet size in inches / mm	1" / 25 mm	1", 1 1/4", 1 1/2", 2", 2 1/2", / 25, 32, 40, 50 & 65 mm.
Degree of Protection	IP 58	IP 58
Direction of Rotation	CCW	CCW - 1 Ph & CCW, CW - 3Ph.
Maximum Outer diameter	76 mm.	98 mm.
Type of Duty	S1 (Continuous)	S1 (Continuous)
Maximum cooling flow	0.15 m/sec.	0.15 m/sec.
Maximum starts per hour	12 times.	12 times.
Method of starting	Capacitor start and run capacitor (CSCR)	Capacitor start and capacitor run (CSCR) 1 Ph. (Direct on line (D O L) 3 Ph.
Cable connection	Permanently Connected and sealed PVC insulated 3-core flat cable.	Permanently Connected and sealed PVC Insulated 3-core flat cable.

Material of Construction - Pump

Part Name	Material 80 mm	Type - S for 100 mm	Type - P for 100 mm
Check valve Housing	C.I.	S.S. - 304	C.I.
Check valve	Acetal / Noryl*	S.S. - 304	C.I.
Impeller	Noryl*	Noryl*	Noryl*
Diffuser	Noryl*	Noryl*	Noryl*
Pump Shell	S.S. 304	S.S. 304	Noryl*
Pump Shaft	S.S. 410 / 431	S.S.-410 / S.S. - 431	S.S.-410 / S.S.-431
Suction inter Connector	C.I.	S.S. - 304	C.I.
Coupling	S.S. 410	S.S. - 410	S.S. - 410
Pump Casing	S.S. 304	S.S. - 304	S.S. - 304

Pumped Liquids

Clean, thin, non-aggressive, non-explosive, clear, cold, fresh non polluted & without abrasives water having a below technical characteristics.

Maximum Liquid Temperature	33°C (max.)
Permissible amount of sand	25 gm/m ³ (max)(100mm) 50 gm/m ³ (125-200mm)
Chlorine ion density	500 ppm (max.)
Allowable solids	3000 ppm (max.)
Viscosity	1.75 x 10 ³ m ² /sec (max.)
Turbidity	50 ppm silica scale (max.)
pH value	6.5 to 8.5.
Specific gravity	1.004 (max.)
Hardness (drinking water)	300 (max.)

Material of Construction - Motor

Upper & Lower Housing	C.I.
Stator Shell	S.S. 304
Shaft	S.S. 410
Journal Bush	Leaded Bronze
Mechanical Seal	Carbon / Ceramic
Thrust Base Assembly	S.S.-410 & Graphite Carbon

Noryl* is the registered trade mark G.E. Plastics ** Optional

Other Ranges :



Exclusively manufactured by :

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