



Since <u>199</u>4



Mfg. by: Falcon Pumps Pvt. Ltd.





V9-V10 BOREWELL SUBMERSIBLE PUMPSET

Falcon Dlx. 250 mm (9" & 10") Borewell Submersible Pumpsets are powered by water filled, rewindable submersibleMotor suitable for continuous duty. The stator is wound with special water proof synthetic film insulatedCopper winding wires and made up of low watt loss silicon steel laminations assembled under pressureand rigidly locked in stainless steel stator shell. T-Bolt design in all motor ensures rigid construction.

PUMP LIQUIDS

- Clean
- Cold
- Thin
- Fresh water
- Non-Aggressive
- Without abrasives
- Non-Explosive
- Solid particles.
- Clear







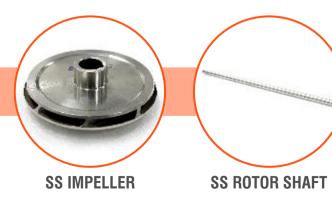






SALIENT FEATURES

- SS 304 Grade Investment Casting Bowl and SS-304 Grade Impeller in radial flow MRS series 27Mtr head per stage in radial flow series.
- FG 250 Cast Iron Bowl with CED Catted and SS-304 Grade Impeller in Mix flow FMC Series 22Mtr head per stage in Mix flow series.
- Specially designed high performance thrust bearing (SS-420 Tilting Pad with Carbon plate) to with stand axial thrust loads.
- Specially designed Deep Drawn type pump ensures perfect alignment and Thereby increases the life of the pump set.
- Dynamically balanced rotating parts ensures minimum vibration and longer life.
- Designed for wide voltage fluctuations.
- Motor portion covered with corrosive resistance Stainless steel (SS 304) shell.
- More durability and hygiene & High operating efficiency.
- Specially designed thrust bearing to withstand high axial thrust load.
- Extremely hardwearing water lubricated bearing.
- Thread type motor construction ensures service feasibility.
- Designed for wide voltage operation.
- Best alternative for JET & Compressor pump set.
- Additional intermediate bearing in higher stage pumps.







SPECIFICATION

- Power Range : 55 kW to 112 kW (75 HP to 150HP)

- Version : Three Phase 350 to 415V, 50Hz AC Supply

- Speed : 2900 RPM

- Head Range : 12 mtr. To 300 mtr.

- Discharge Range : 3600 LPM to 960 LPM

- Outlet Size in Inch

- Degree of Protection

- Maximum Starts Per Hour









MATERIAL OF CONSTRUCTION - MOTOR

Part Name Material

: Nitrile butyl rubber Oil Seal

: SS - 420 **Motor Shaft**

Motor Body Pipe : SS -240Cu

: LTB-4 / Teflon **Motor Bush**

Thrust bearing assembly : SS - 420 & Carbon

Diaphragm : High Nitrile Butyl Rubber

Motor Base : Cast Iron

Housing Set : Cast Iron











MATERIAL OF CONSTRUCTION - PUMP

Part Name Material

Check Valve Housing Cast iron Check Valve SS-410

Impeller SS-304 / SS-410

Bowl SS-304 / Cast Iron

Counter Bush LTB-4 / SS - 304

Pump Bush NBR / LTB 4

Pump Sleeve SS-410

Suction Cast iron

Pump Shaft SS-410

Coupling / Pump Couple SS-410







OIL SEAL RUBBER





