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Falcon[®]
A MACHINE FOR MANKIND

Since 1994

250 MM

V9-V10 BOREWELL

SUBMERSIBLE PUMPSET



Farming



Fire Fighting Application



Large Scale Farming



Water Supply



Industrial



Mfg. by : **Falcon Pumps Pvt. Ltd.**

Chale Pragati Ki Aur[®]

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■ V9-V10 BOREWELL SUBMERSIBLE PUMPSET

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

■ PUMP LIQUIDS

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



■ 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 withstand 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 ensure 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.



SS IMPELLER



SS ROTOR SHAFT

■ 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 : 4.0" & 5.0"
- Degree of Protection : IP 58
- Maximum Starts Per Hour : 10 Times



■ MATERIAL OF CONSTRUCTION - MOTOR

<u>Part Name</u>	<u>Material</u>
Oil Seal	: Nitrile butyl rubber
Motor Shaft	: SS - 420
Motor Body Pipe	: SS -240Cu
Motor Bush	: LTB-4 / Teflon
Thrust bearing assembly	: SS - 420 & Carbon
Diaphragm	: High Nitrile Butyl Rubber
Motor Base	: Cast Iron
Housing Set	: Cast Iron



■ MATERIAL OF CONSTRUCTION - PUMP

<u>Part Name</u>	<u>Material</u>
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



SS MOTOR BODY



OIL SEAL RUBBER

