

New Technology
High Efficiency & Long Life



It Will Fulfill
Your Hopes

Fitwell[®] ©

PUMPS & MOTORS

Product Catalogue





COMPANY PROFILE

Samrat Submersible (Guj) Pvt. Ltd Rajkot, is a Company Serving Since 1996 engaged in the manufacturing wide range of Submersible Pump sets for every application of water suction and uplifting water from depth at any level, using the latest technology.

Company takes great pleasure to propose multi variety, quality bound submersible pump sets that bear Indian standard like IS:8034, IS:14220, IS:8472 and also holding ISO:9001 accreditation certificate by TUV Germany. By continuous re-research and development in pump sets found after testing 35% more than ISI and 14% than five star rating. Company is always focusing on quality to fulfill the customers need.

Company is winner of prestigious award name "National Quality Excellence Award" for manufacturing of quality & energy efficient Submersible Pump Sets in contributing in saving of electricity. Company is manufacturing V3, V4, V5, V6 (55 feet-SS) V6 C.I V6 To V8 as well as Openwell Pump Sets of V-7, V-8 & V-9 and also manufacturing "Self Priming Domestic Pumps sets" of various capacity.

Company is manufacturing around one thousand models in above range of pump Sets. Company is confident to say with proud that "V6"-S.S series pumps are very efficient (5 star) and gives 55 feet head per stage invented in the Year 2001 first time in India. These products are largely used by Indian agriculture sector for water resourcing and up lifting from depth of 1400/1500 ft. from Bore well. Company is committed to provide return of money against what customer invest their earning in company's product.

We strive to leadership in the field of manufacturing and serving quality products, so that product in the brand name and style of "Samrat" and "Fitwell" stand in market in most competitive price leader. Our best efforts, skills & innovation to deliver quality products and services. We have a strong span all over India presence through our network of distributors and services. We have a leader. Our best efforts, skills & innovations to deliver quality products and services. We have a strong span all over India presence through our network of distributors and dealers which ensure that our products can reach out the farmer in remote location.

Samrat pumps are produced from good quality Raw material as per ISI-standards with modern machinery & latest technology. All The Products are 100% tested as per ISI standard in computerized testing laboratory by engineers.

QC department's engineers give best quality products to our valued customer. Company is having R&D Dept. as well as Q.C Department with all latest Instruments and methods for achieving good quality and Interchangeability.

Company is professionally managed by company's M.D. Mr. Mahendra Chavda with the team of experienced, skilled & talented hard working officers and youngsters.



UDYOG BHARATI AWARD



NATIONAL QUALITY EXCELLENCE AWARD WINNER



RASHTRIYA UDYOG RATNA AWARD



OUR ACHIEVEMENT

"UDYOG BHARATI AWARD"
"NATIONAL QUALITY EXCELLENCE AWARD"
"RASHTRIYA UDYOG RATNA AWARD"
AN ISO 9001:2008 APPROVAL COMPANY
BIS LICENCE : IS : 8034, IS : 14220, IS : 8472
"BEE" MARK FOR 5 STAR RATING

NSIC - GOVT. OF INDIA APPROVAL.
CE MARKING - EXPORT QUALITY EUROPEAN CONFORMITY
MJP APPROVAL BY MAHARASTRA GOVT.
GWSSB Gujarat Water Supply And Sewerage Board
MP AGRO Approval by Madhyapradesh Govt.
I-Kishan : Govt. of Gujarat.



Udyog Bharati Award Winner

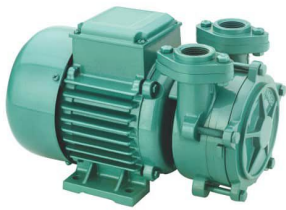


OUR GOAL

As a private limited company we constantly strives for quality and customer satisfaction by providing best pumping solutions with global bench marks. To excel with an emphasis on best business and ethical practices with strong organizations values justifying the interests of all share holders. To empower the work force to offer products and services that exceed customer expectations by providing value for money and ensuring hand some returns to our employees there by contributing to our mission to approach the higher progress.



SELF PRIMING MONOBLOCK PUMP SETS



SDM - 2/4



SDM - 3D C.I.



SV - 525



SDM - 3D ALU.



DELUXE ALU.



DELUXE C.I.



SUPER FLOW



BIG BOSS



Thermal Overload
Protect



Aluminum Body



Brass Impeller &
S.S. Chamber



Stamping Satck



Mechanical Seal



Alluminium
Die-Cast Rotor



SELF PRIMING MONOBLOCK PUMP SETS

Application

Used For Water Supply In Residential Bungalows
Flat, Hotel, Garages, Dairies And Laundries.
Water Circulation For Fountains And Solar Heater
Used As Suction Booster In Cities.
Ornamental Sprinklers.

SALIENT FEATURES

Suitable for Wide Voltage Variation Condition
Winding Is Safe Due To Built In Thermal Overload Protector.
Class 'B' Insulation To Resistance In Case Of Excessive Heating.
S.S. Water Pumping Chamber.
Graded Brass Impeller.
S.S.-410 Shaft.
Class - C3 Good Quality Double Shield Ball Bearing.
High Quality Mechanical Seal with Pink ceramic to with Stand Thermal Capacity.
High Quality Pressure die cast Aluminum rotors.

Note :- All pumps are suitable for pumping cold & clear water only.
Pumps should be run for few minutes at least once in two days to prevent from seizing.



Function & Material Specification

Name Of Parts	Material Specification.
Motor Body	: It is made of C.I. or Aluminum material to protect against corrosion and to provide rigid construction to support other parts of the Pump set.
Winding Wire	: It has high insulating capacity.(Dual Coated)
Rotor	: Aluminum Pressure die cast.
Impeller	: Graded Brass.
Motor Shaft	: It is made of S.S.410 grade material to perform longer life.
Bearing	: Precision quality make. (Class-C3)



V3 / V4 & ULTRA SUBMERSIBLE PUMP SETS (V3-Ø76mm / V4 & V904 Ø96mm)



V-4 ULTRA



V-3 POPULAR

PERFORMANCE	V3	ULTRA	V4
Range of HP	: 0.5 to 1.5	: 0.5 to 2	: 0.5 to 6
Range of Head in meter	: 10 to 107	: 10 to 240	: 10 to 300
Water Discharge in LPM.	: 40 to 115	: 50 to 425	: 50 to 425
Voltage range for Final Result	: 180 to 240	: 180 to 240(sp)	: 180 to 240(sp) 350 to 415 (tp)
Overall efficiency	: Mini. 18%, Max. 28%	: Mini. 23%, Max. 36%	: Mini. 23%, Max. 41%

APPLICATION V3

Drinking water supply Domestic
Pressure boosting installations
Drip irrigation

APPLICATION V4 / ULTRA

Agriculture
Irrigation
Drinking water supply
Pressure boosting installations
Drip irrigation

SALIENT FEATURES

- 10% to 25% less power consumption.
- 15 Feet Head per stage in V-3 submersible pump set.
- 20/24 Feet Head per Stage in V-4/ULTRA submersible pump set.
- Wide voltage fluctuation capacity of motor.
- Higher efficiency.
- Very good wear resistance of components to give longer life to pump set.
- High capacity of thrust bearing, which gives longer life to motor as well as its winding.
- Durability of components, strict quality control & computerized testing set up to give right product to customers.
- We provide one year warranty against any manufacturing defect.



V-4 MIX FLOW



V-4 POPULAR / DELUXE



Function & Material Specification

Name Of Parts	Material Specification.
Motor Body	It is made of S.S. 304 grade material to protect against corrosion and to provide rigid construction to support other parts of the body.
Motor Rotor	V-3/V-4 - It is made from EC grade copper rod and lamination ULTRA - Rotor made from aluminum pressure die cast also.
Winding Wire	It has high insulating capacity.(Three Layer Coated)
Copper Rod	EC grade as per ISI standard.
Pump Shaft	It is made of S.S. 410 grade material to perform longer life.
Motor Shaft	It is made of S.S.410/431 grade material to perform longer life.
Motor & Pump Bush	It is made of leaded tin bronze LTB- 4 / engineering rubber bush.
Impeller/bowl	Fiber glass Noryl / Pure virgin material.


V5 SUBMERSIBLE PUMP SETS (Ø115mm)

PERFORMANCE

Range of HP	: 3 to 10 HP
Range of Head in meter	: 100 to 300
Water Discharge in LPM.	: 50 to 200
Voltage range for Final Result	: 350 to 415
Overall efficiency	: Mini. 25%, Max. 48%

APPLICATION

Irrigation
 Drinking water supply
 Pressure boosting installations
 Drip irrigation
 Agriculture

SALIENT FEATURES

10% to 25% less power consumption.
 30 Feet Head per stage in V-5 submersible pump set.
 Wide voltage fluctuation capacity of motor.
 Higher efficiency.
 Very good wear resistance of components to give longer life to pump set.
 High capacity of thrust bearing, which gives longer life to motor as well as its winding.
 Durability of components, strict quality control & computerized testing set up to give right product to customers.
 We provide one year warranty against any manufacturing defect.


Function & Material Specification

Name Of Parts	Material Specification.
Motor Body	It is made of S.S. 304 grade material to protect against corrosion and to provide rigid construction to support other parts of the body.
Winding Wire	It has high insulating capacity.(Three Layer Coated)
Copper Rod	EC grade as per ISI standard.
Pump Shaft	It is made of S.S. 410 grade material to perform longer life.
Motor Shaft	It is made of S.S.410/431 grade material to perform longer life.
Motor & Pump Bush	It is made of leaded tin bronze LTB- 4 / engineering rubber bush.
Impeller/bowl	30% Fiber glass Noryl / Pure virgin material or V4 S.S. fabricated impeller bowl combination.

V6 SLIM SUBMERSIBLE PUMP SETS (Ø128mm)



PERFORMANCE

Range of HP	: 3 to 17.5
Range of Head in meter	: 20 to 350
Water Discharge In LPM.	: 90 to 550
Voltage range for Final Result	: 350 to 415
Overall efficiency	: Mini. 30%, Max. 52%

APPLICATION

Agriculture
Irrigation
Drinking Water Supply
Pressure Boosting Installations
Drip Irrigation

Salient Features

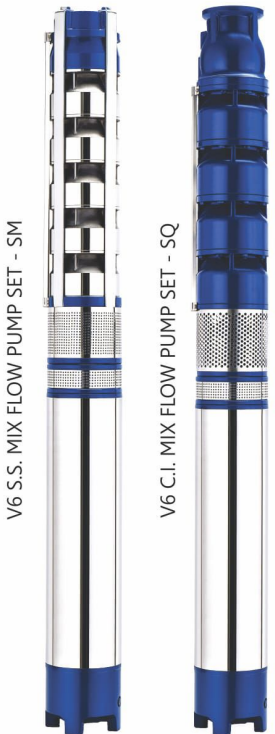
20% to 30% less power consumption.
40 Feet Head per stage in V-6 submersible pump set.
Wide voltage fluctuation capacity of motor.
Higher efficiency.
Very good wear resistance of components to give longer life to pump set.
High capacity of thrust bearing, which gives longer life to motor as well as its winding.
Durability of components, strict quality control & computerized testing set up to give right product to customers.
We provide one year warranty against any manufacturing defect.

Function & Material Specification

Name Of Parts	Material Specification.
Motor Body	: It is made of S.S. 304 grade material to protect against corrosion and to provide rigid construction to support other parts of the Body.
Bowl Set	: Bowls are made from investment casting process from SS 304 grade material. Impeller are made from SS which provides longer life to pump sets.
Rotor	: Rotors are made of high grade electrical stamping and EC grade copper bar. It is dynamically balanced with throughout grinding size and hard chrome/ epoxy coated rust proof.
Winding Wire	: It has high insulating capacity. (Three Layer Coated)
Copper Rod	: EC grade as per ISI standard.
Pump Shaft	: It is made of S.S. 410 grade material to perform longer life.
Motor Shaft	: It is made of S.S.410/431 grade material to perform longer life.
Stamping	: Stamping is made of high grade electrical sheet having high silicon composition, which makes the pump noiseless.
Motor & Pump Bush	: It is made of leaded tin bronze LTB-4/LTB-5 and engineering rubber bush.
Thrust Bearing	: Segment made of stainless steel and plate made in high grade Teflon/ carbon type (movable segment) bearing & carbon thrust plate having high resistance capacity.



V6 SS/CI/MIX FLOW SUBMERSIBLE PUMP SETS (Ø142MM)



PERFORMANCE

Range of HP	: 3 to 35
Range of Head in meter	: 20 to 450
Water Discharge in LPM.	: 50 to 1450
Voltage range for Final Result	: 350 to 415
Overall efficiency	: Mini. 30%, Max. 57%

APPLICATION

- Agriculture
- Irrigation
- Drinking water supply
- Pressure boosting installations
- Drip irrigation

Salient Features

- Fully rewindable and water lubricated motor with stainless steel body.
- Standard two pole motor.
- 20% to 35% less power consumption.
- 55 Feet Head per stage in V-6 submersible pump set. (Radial Flow S.S.)
- 30/40 Feet Head per stage in V-6 mix flow sub. pump set.
- Wide voltage fluctuation capacity of motor.
- Higher efficiency.
- Very good wear resistance of components to give longer life to pump set.
- High capacity of thrust bearing, which gives longer life to motor as well as its winding.
- Durability of components, strict quality control & computerized testing set up to give right product to customers.



Function & Material Specification

Name Of Parts

Material Specification.

Motor Body	: It is made of S.S. 304 grade material to protect against corrosion and to provide rigid construction to support other parts of the Body.
Bowl Set(S.S.)	: Bowls are made from investment casting process from SS 304 grade material. Impeller are made from SS which provides longer life to pump sets.
Bowl Set(C.I.)	:Bowls are made from Cast Iron casting process and impeller are made from FRTP with S.S. Neckring Which provides longer life to pump sets.
Rotor	: Rotors are made of high grade electrical stamping and EC grade copper bar. It is dynamically balanced with throughout grinding size and hard chrome/ epoxy coated rust proof.
Winding Wire	: It has high insulating capacity.(Three Layer Coated)
Copper Rod	: EC grade as per ISI standard.
Pump Shaft	: It is made of S.S. 410 grade material to perform longer life.
Motor Shaft	: It is made of S.S.410/431 grade material to perform longer life.
Stamping	: Stamping is made of high grade electrical sheet having high silicon composition, which makes the pump noiseless.
Motor & Pump Bush	: It is made of leaded tin bronze LTB-4/LTB-5 and engineering rubber bush.
Thrust Bearing	: Segment made of stainless steel and plate made in high grade Teflon/ carbon type (movable segment) bearing & carbon thrust plate having high resistance capacity.



V-8/ V-6 TO V-8 JANTA MODEL SUBMERSIBLE PUMP SETS (Ø200mm)

V8 PUMP SET



PERFORMANCE	V-8	Janta Model
Range of HP	: 7.5 to 50	: 5 to 30
Range of Head in meter	: 15 to 150	: 20 to 153
Water Discharge in LPM.	: 400 to 2800	: 600 to 1850
Voltage range for Final Result	: 350 to 415	: 350 to 415
Overall efficiency	: Mini. 38%, Max. 62%	: Mini. 30%, Max. 57%

APPLICATION

Agriculture
Irrigation
Drinking water supply
Pressure boosting installations
Drip irrigation

Salient Features

Fully rewindable and water lubricated motor with stainless steel body.
Standard two pole motor.
20% to 35% less power consumption.
50 to 55 Feet head range per stage.
Wide voltage fluctuation capacity of motor.
Higher efficiency.
Very good wear resistance of components to give longer life to pump set.
High capacity of thrust bearing, which gives longer life to motor as well as its winding.
Durability of components, strict quality control & computerized testing set up to give right product to customers.



Function & Material Specification

JANTA MODEL



Name Of Parts

Material Specification.

Motor Body	: It is made of S.S. 304 grade material to protect against corrosion and to provide rigid construction to support other parts of the Body.
Bowl Set	: Made from graded casting iron highly durable
Impeller	: Made from S.S. 410
Rotor	: Rotors are made of high grade electrical stamping and EC grade copper bar. It is dynamically balanced with throughout grinding size and hard chrome/ epoxy coated rust proof.
Winding Wire	: It has high insulating capacity. (Three Layer Coated)
Copper Rod	: EC grade as per ISI standard.
Pump Shaft	: It is made of S.S. 410 grade material to perform longer life.
Motor Shaft	: It is made of S.S.410/431 grade material to perform longer life.
Stamping	: Stamping is made of high grade electrical sheet having high silicon composition, which makes the pump noiseless.
Motor & Pump Bush	: It is made of leaded tin bronze LTB-4/LTB-5 and engineering rubber bush.
Thrust Bearing	: Segment made of stainless steel and plate made in high grade Teflon/ carbon type (movable segment) bearing & carbon thrust plate having high resistance capacity.



MINI DOMESTIC OPENWELL PUMP SETS



0.5 HP



1 HP TO 3 HP

PERFORMANCE

Range of HP	: 0.5 to 3.0
Range of Head in meter	: 15 to 40
Water Discharge In LPM.	: 60 to 600
Voltage range for Final Result	: 180 to 200 (SP) 350 to 415 (TP)
Overall efficiency	: Mini. 35%, Max. 45%

APPLICATION

Agriculture
Domestic
Irrigation
Drinking water supply
Pressure boosting installations
Drip irrigation

Salient Features

Wide voltage fluctuation capacity of motor.
Higher efficiency.
Very good wear resistance of components to give longer life to pump set.
High capacity of thrust bearing, which gives longer life to motor as well as its winding.
Durability of components, strict quality control & computerized testing set up to give right product to customers.
We provide one year warranty against any manufacturing defect.



Function & Material Specification

Name Of Parts	Material Specification.
Motor Body	: It is made of S.S. 304 grade material to protect against corrosion and to provide rigid construction to support other parts of the body.
Casing/Impeller	: Made from graded cast iron highly durable.
Winding Wire	: It has high insulating capacity.(Three Layer Coated)
Copper Rod	: EC grade as per ISI standard.
Motor Shaft	: It is made of S.S.410 grade material to perform longer life.
Motor Bush	: It is made of leaded tin bronze LTB- 4.



HORIZONTAL OPENWELL SUBMERSIBLE PUMP SETS



VARNIRAJ SERIES



SS HEAVY BODY CM-5



CI HEAVY BODY

PERFORMANCE

	VARNIRAJ	HEAVY BODY
Range of HP	: 3 to 7.5	: 3 to 15
Range of Head in meter	: 20 to 45	: 10 to 65
Water Discharge in LPM.	: 50 to 1000	: 250 to 1750
Voltage range for Final Result	: 350 to 415	: 350 to 415
Overall efficiency	: Mini. 35%, Max. 55%	: Mini. 35%, Max. 55%

APPLICATION

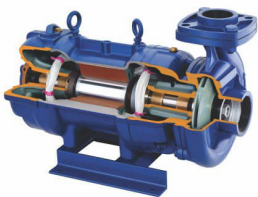
Agriculture
Irrigation
Drinking Water Supply
Pressure Boosting Installations
Drip Irrigation

Salient Features

20% to 35% less power consumption.
Wide voltage fluctuation capacity of motor.
Higher efficiency.
Very good wear resistance of components to give longer life to pump set.
High capacity of thrust bearing, which gives longer life to motor as well as its winding.
Durability of components, strict quality control & computerized testing set up to give right product to customers.
We provide one year warranty against any manufacturing defect.



Function & Material Specification



Name Of Parts

Material Specification.

Motor Body(S.S.)	: It is made of S.S. 304 grade material to protect against corrosion and to provide rigid construction to support other parts of the body.
Motor Body(C.I.)	: Made from graded cast iron highly durable.
Casing/Impeller	: Made from graded cast iron highly durable.
Winding Wire	: It has high insulating capacity. (Three Layer Coated)
Copper Rod	: EC grade as per ISI standard.
Motor Shaft	: It is made of S.S.410 grade material to perform longer life.
Motor Bush	: It is made of leaded tin bronze LTB- 4.



V9 VERTICAL OPENWELL PUMPSETS



PERFORMANCE

Range of HP	: 3 to 25
Range of Head in meter	: 10 to 175
Water Discharge in LPM.	: 250 to 1500
Voltage range for Final Result	: 350 to 415
Overall efficiency	: Mini. 35%, Max. 55%

APPLICATION

Agriculture
Domestic
Irrigation
Drinking water supply
Pressure boosting installations
Drip irrigation

Salient Features

20% to 30% less power consumption.
Wide voltage fluctuation capacity of motor.
Higher efficiency.
Very good wear resistance of components to give longer life to pump set.
High capacity of thrust bearing, which gives longer life to motor as well as its winding.
Durability of components, strict quality control & computerized testing set up to give right product to customers.
We provide one year warranty against any manufacturing defect.



Function & Material Specification

Name Of Parts Material Specification.

Motor Body	: It is made of S.S. 304 grade material to protect against corrosion and to provide rigid construction to support other parts of the body.
Winding Wire	: It has high insulating capacity.(Three Layer Coated)
Copper Rod	: EC grade as per ISI standard.
Pump Shaft	: It is made of S.S. 410 grade material to perform longer life.
Motor Shaft	: It is made of S.S.410 grade material to perform longer life.
Motor Bush	: It is made of leaded tin bronze LTB- 4.
Pump Bowl(Radial Flow)	: It is made of cast iron with FRTP Guide vane with nylon 6 impeller.
	It is made of cast iron with FRTP Guide vane with S.S. impeller.
Pump Bowl(Mix Flow)	: It is made of cast iron with FRTP Guide vane with nylon 6 impeller.
	It is made of cast iron with FRTP Guide vane with S.S. impeller.





OUR PRODUCT RANGE

WIRES AND CABLES

Winding Wire



House Wire



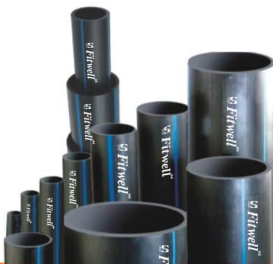
Alu. Cable



Flat Cable



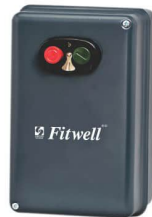
HDPE & COLUMN PIPE



PUMP SETS



CONTROL PANEL





ATUT BANDHAN

OUR SALES NET WORK

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