



SHAKTI

PUMPING LIFE





TAKING 'MAKE IN INDIA' FORWARD.





A FOUNDATION STRONG AND SOLID

The foundation of Shakti Pumps (India) Ltd. was laid in 1982. From a humble beginning, we have gone from strength to strength to become India's largest manufacturer of submersible pumps, motors, solar pumps, industrial pumps, controllers & invertors. An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 company, our cutting-edge manufacturing facility with an installed capacity of 5,00,000 pumps per annum is located in Central India at Pithampur (M.P.).





VISION

To become a company that constantly strives for quality and customer satisfaction by providing best pumping solutions with global benchmarks integrating health, safety and environmental considerations into all its business decisions and practices so that there will be

- Zero accident
- Zero liquid discharge
- Zero carbon footprint

and to emphasize best practices and strong organizational values justifying the interest of all stakeholders

MISSION

To work relentlessly and come closer to our vision statement by offering an excellent work environment and training focused on trust, integrity and ethics empowering the workforce to offer products and services that exceed customer expectations ensuring value for money and handsome return to our employees and shareholders.





Quality, a way of life at Shakti.

We accord paramount importance to quality. Be it practices, procedures or people, each and every aspect of our company, comes together to ensure that customers get products and services of the highest quality. Our quality control and testing labs are amongst the most advanced set-ups in the country- enabling us to meet international quality standards consistently.



Our technology, our strength.

We employ the best-of-world technology to manufacture our products. Our state-of-the-art plant has cutting-edge Japanese and European machinery. The use of robots ensures precision of the highest level. Ultra-modern CNC machines, stamping machines, cathode electrode deposition plant, etc. speak volumes about our technological strength.





SOLAR DC SUBMERSIBLE PUMPS

DCSSP SERIES

Head Max. : 460 M
Flow Max. : 240 M³/H
Power Range : 0.9 to 54 kW



SOLAR DC OPENWELL PUMPS



Head Max. : 46 M
Flow Max. : 217 M³/H
Power Range : 0.6 to 9 kW

SOLAR DC SURFACE PUMPSET DCSSUP & DCSMP SERIES



Head Max. : 45 M
Flow Max. : 110 M³/H
Power Range : 0.3 to 13.5 kW

SHAKTI MICRO SMART PUMPSET



Head Max. : 180 M
Flow Max. : 13 M³/H
Power Range : 1.1 to 1.5 kW

4" PREMIUM PLUG & PLAY PUMPSET



Head Max. : 120 M
Flow Max. : 6 M³/H
Power Range : 0.75 to 2.2 kW

It includes Pump, Motor,
Cable and MCB

SUBMERSIBLE PUMP 4SS & SGS SERIES



Head Max. : 275 M
Flow Max. : 23 M³/H
Power Range : 0.37 to 5.5 kW
Pump with Noryl Impeller

SUBMERSIBLE PUMPS & MOTORS QF & SSP SERIES



Head Max. : 670 M
Flow Max. : 440 M³/H
Power Range : 0.37kW to 250kW

END-SUCTION SINGLE SHAFT PUMPS

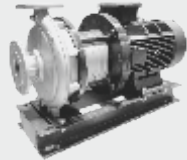
SMB SERIES



Head Max. : 100 M
Flow Max. : 192 M³/H
Power Range : 0.37 to 30 kW

END-SUCTION CLOSED COUPLED PUMPS

SNB SERIES



Head Max. : 100 M
Flow Max. : 192 M³/H
Power Range : 0.37 to 37 kW

END-SUCTION LONG COUPLED PUMPS

SNK SERIES



Head Max. : 115 M
Flow Max. : 300 M³/H
Power Range : 0.37 to 110 kW

HORIZONTAL OPENWELL SUBMERSIBLE PUMPS

SOMB SERIES



Head Max. : 33 M
Flow Max. : 22 M³/H
Power Range : 0.37 to 1.5 kW

OPENWELL SHOS CA/SA SERIES



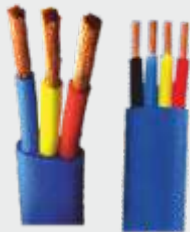
Head Max. : 94 M
Flow Max. : 158 M³/H
Power Range : 2.2 to 15 kW

SURFACE MOTORS SMG / S4MG/ E2MG



Voltage : 220 - 415 50Hz
/220 - 460 60Hz
Power Range : 0.37 to 22 kW
Efficiency Class : IE3/IE4

CABLE



Flat Cable : 3 Core & 4 Core
Size : 1.5 Sqmm to 70 Sqmm

UPVC COLUMN PIPES SWR PIPE PVC RIGID PIPE HDPE PIPE SPRINKLER PIPE CPVC PIPE CASING PIPE ADAPTER SS & CI



DRIP IRRIGATION (PLAIN LATERAL)

Max. Working Pressure : 4KG/CM²
Size : 12, 16, 20, 25 & 32MM
Thickness : ISI class I and class II
Coil Length : 100M, 200M, 300 and 500M



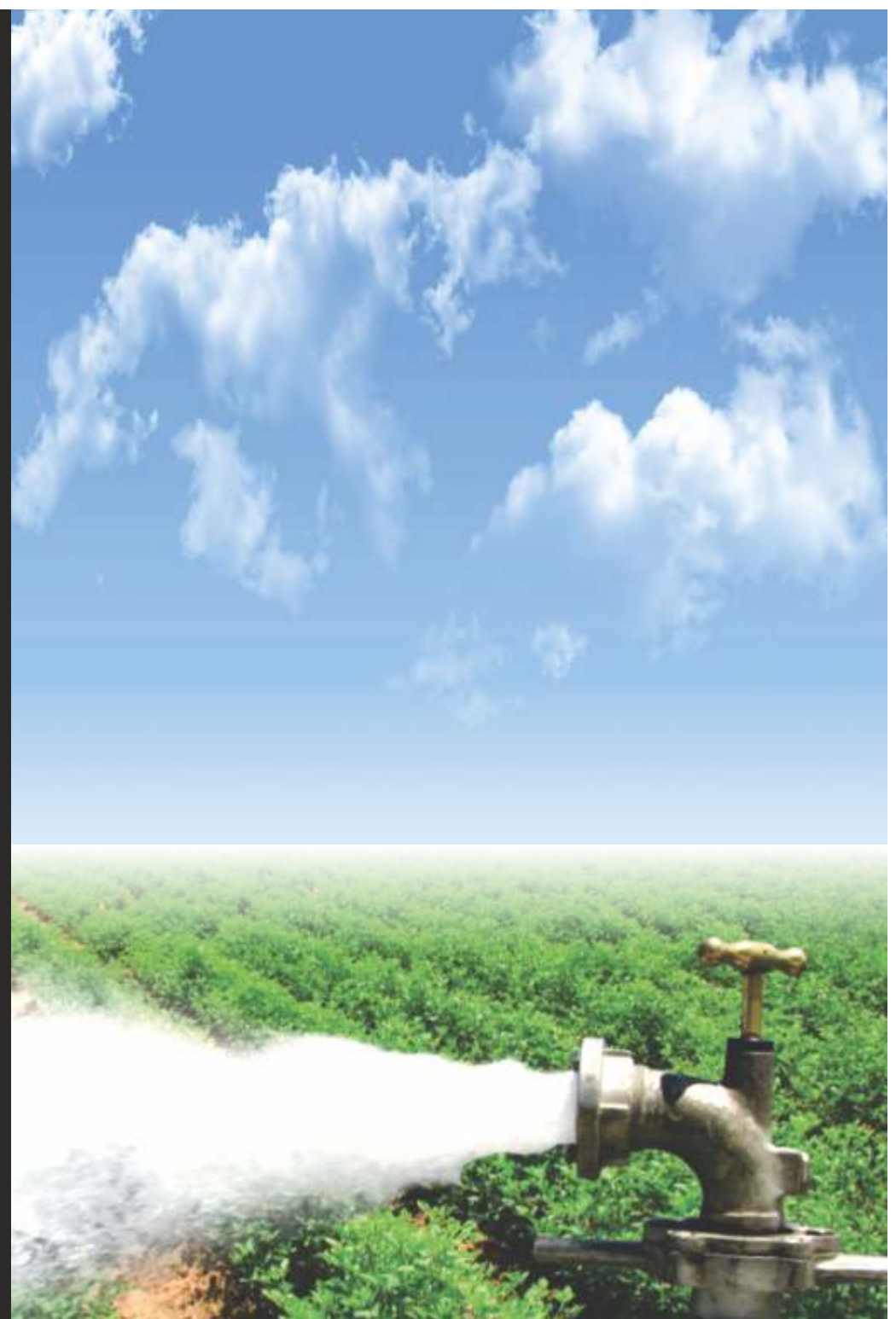
DRIP IRRIGATION (ROUND DRIP)

Max. Working Pressure : 2.5KG/ CM²
Discharge : 2 LPH & 4 LPH
Size : 12MM, 16MM
Thickness : ISI class I and class II
Dripper spacing : 30 CM to 150 CM
Filtration required : 130 micro
nCoil Length : 300M, 500M



DRIP IRRIGATION (FLAT DRIP)

Max. Working Pressure : 2.5KG/ CM²
Discharge : 1 LPH, 2 LPH & 4 LPH
Size : 12MM, 16MM, 20mm
Thickness : 14 ML (Safer), ISI class I, II & class III
Dripper spacing : 30 CM to 150 CM
Filtration required : 130 micron
Coil Length : 300M, 500M





VERTICAL MULTI-STAGE CENTRIFUGAL PUMPS

SCR, SCRI, SCRn SERIES



Head Max. : 330 M
Flow Max. : 200 M³/H
Power Range : 0.37 to 75 kW

SERO VERTICAL MULTISTAGE PUMP SERO SERIES



Head Max. : 166 M
Flow Max. : 6 M³/H
Power Range : 1.1 to 2.2 kW

SINGLE SHAFT VERTICAL MULTISTAGE PUMPS RO SERIES



Head Max. : 149 M
Flow Max. : 4.8 M³/H
Power Range : 0.37 to 2.2 kW

SCR, SCRn HIGH HEAD PRESSURE BOOSTER



Head Max. : 500 M
Flow Max. : 180 M³/H
Power Range : 0.37 to 75 kW

DOMESTIC WATER PRESSURE BOOSTER PUMPS

SJP SERIES



Head Max. : 40 M
Flow Max. : 4 M³/H
Power Max. : 0.75 kW

IMMERSIBLE PUMPS SMTR SERIES



Head Max. : 330 M
Flow Max. : 108 M³/H
Power Range : 0.37 to 45 kW

HYDROPNEUMATIC BOOSTER SYSTEMS HYPN SERIES



Head Max. : 20 Bar
Flow Max. : 360 M³/H
Power Range : 0.37 to 75 kW

PRESSURE BOOSTER PUMPS SH, SHI, SHN SERIES



Head Max. : 58 M
Flow Max. : 14 M³/H
Power Range : 0.37 to 2.2 kW

PRESSURE BOOSTER PUMP SCM SERIES



Head Max. : 130 M
Flow Max. : 30 M³/H
Power Range : 0.37 to 7.5 kW

SIMHA UNIVERSAL DRIVE



- 0.55 to 7.5 kW
- 10 Amp to 20 Amp

Suitable for solar pumping, Industrial drive HVAC system, Conveyor belt and Industrial belt

NANDI UNIVERSAL DRIVE



- 11 to 93 kW
- 25 Amp to 210 Amp

Suitable for HVAC system, conveyor belt, Industrial fan and solar pump.

LOTUS UNIVERSAL DRIVE



- 3 to 7.5 kW
- Suitable for 3 Phase

All in one solution for driving of various motors like AC-IM, PMSM, IPMSM, S4RM, etc.

DU/DT FILTER



- 0.37 to 4 kW
- 16 Amp

Suitable for various motors for solar pumps and other general application where cable length is more than 70 m.

SHAKTI RMS DONGLE



IOT Solution

Suitable for Softly remote monitoring & control.

HYBRID PUMP CONTROLLER



- 1 kW to 3 kW (1 Phase)
- 3 kW to 10 kW (3 Phase)

Suitable to run pump motor set for agriculture feed extra power to grid for saving money to farmers / users.

UNIVERSAL SOLAR PUMP CONTROLLER (USPC)



- 2.2 kW to 7.5 kW

Suitable for Agrarian application such as pump, thresher, chaff, cutter, flour mill etc.

GRID TIE INVERTER



- 1 to 3 kW - 1Ø

- 3 to 20 kW - 3 Ø

Suitable for rooftop solar installation, grid tie in domestic as well as commercial establishments

HYBRID INVERTER



- 1 KVA to 6 KVA
- Hybrid / Grid tie inverter

Suitable for domestic, small & big commercial establishment.

A1 SMART STARTER



- 0.37 kW to 11 kW (1 Phase)
- 0.37 kW to 11 kW (3 Phase)

Suitable for 3 Phase AC induction motor, S4RM motor.

ELITE SOFT STARTER



- 15 kW to 22 kW
- Up to 55 Amp

Suitable for Softly start and stop agricultural and industrial three phase IM motors and S4RM motors.

FIRE FIGHTING PUMPS



Pressure Max. : 105 M
Flow Max. : 273 M³/H

WASTE WATER PUMPS SVX SERIES



Head Max. : 15 M
Flow Max. : 20 M³/H
Power Range : 0.75 to 1.1 kW

WASTE WATER PUMPS SDW SERIES



Head Max. : 31 M
Flow Max. : 160 M³/H
Power Range : 0.75 to 7.5 kW

WASTE WATER PUMPS SSEG Series



Head Max. : 45 M
Flow Max. : 17.5 M³/H
Power Range : 2.2 to 4 kW

Special Make Products

NON SELF-PRIMING PUMPS NSP SERIES



Head Max. : 28 M
Flow Max. : 2 M³/H
Power Range : 0.37 kW

NON SELF-PRIMING PUMPS SCP SERIES



Head Max. : 28 M
Flow Max. : 7 M³/H
Power Range : 0.75 kw

SELF-PRIMING PUMPS CRP SERIES



Head Max. : 66 M
Flow Max. : 4 M³/H
Power Range : 0.37 to 1.1 kW

SHALLOW WELL PUMPS SSW SERIES



Head Max. : 39 M
Flow Max. : 3 M³/H
Power Range : 0.37 to 0.75 kW

SLOW SPEED PUMPS SSS SERIES



Head Max. : 39 M
Flow Max. : 3.5 M³/H
Power Range : 0.37 to 0.75 kW



RESEARCH AND DEVELOPMENT

Recognized and Approved in-house R&D by



भारत सरकार
विज्ञान और प्रौद्योगिकी मंत्रालय
विज्ञान और प्रौद्योगिकी विभाग

GOVERNMENT OF INDIA
Ministry of Science and Technology
Department of Science and Technology
Technology Bhavan, New Mehrauli Road
New Delhi - 110016

More than 100 engineers including PhD, M. Techs and Bachelors from premier institutes of India are working continuously in the development and enhancement of electronics/power electronic products

Dedicated team for IoT, Mobile Apps and Server based control of our products

World class equipments and facilities dedicated to R&D

Collaboration project with Govt. of India in form of Uchchatar Avishkar Yojana (Shakti Pumps + IITD + MHRD + Ministry of Power), PM fellowship program etc. wherein academia and industry collaboration for assured better future.

R&D Collaborations with IISc Bangalore, IIT Delhi, SGSITS Indore, IIST Shibpur etc

32+ patents and several research papers in journals and conferences

Approximately 5 % of revenue investment in R&D





Solar Pumps

SOLAR DC SUBMERSIBLE SERIES

Applications

- Ground water lowering
- Irrigation systems
- Industrial Application
- Drip irrigation, Sprinkler
- Tank / Cistern filling
- Wildlife Refuge

Features

- High flow system for faster tank fill and significant water output.
- Proven motor and pump technology for long-term reliability
- Clean and pollution free energy, Eco-friendly.
- Ideal for remote areas, where electricity is not available or availability is capital intensive.
- Suitable for day time irrigation, Continuous supply for 6-8 hours in a day.
- Soft start feature prevents water hammer and increases system life Easy to operate.
- Simple installation and maintenance free.

Controller Features

An easy to use interface is provided to enhance configurability and enable remote system monitoring.

- Supports wide varieties of motors
- Graphical lcd for easy operation
- Powered with remote monitoring system

Protection Features

- Dry run Protection.
- Overload Protection
- Open Circuit Protection
- Short Circuit Protection
- Over Heat

Technical Specification

Head Max. : 460 M
Flow Max. : 240 M³/H
Power Range : 0.9 to 54 kW



SOLAR DC OPENWELL SERIES

Applications

- Ground water lowering
- Irrigation systems
- Industrial Application
- Drip irrigation, Sprinkler
- Tank / Cistern filling
- Wildlife Refuge

Features

- High flow system for faster tank fill and significant water output.
- Proven motor and pump technology for long-term reliability
- Clean and pollution free energy, Eco-friendly.
- Ideal for remote areas, where electricity is not available or availability is capital intensive.
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- Graphical lcd for easy operation
- Powered with remote monitoring system

Protection Features

- Dry run Protection.
- Overload Protection
- Open Circuit Protection
- Short Circuit Protection
- Over Heat

Technical Specification

Head Max. : 46 M
Flow Max. : 217 M³/H
Power Range : 0.6 to 9 kW



SOLAR SURFACE PUMPS - DCSSUP & DCSMP SERIES

Applications

- Ground water lowering
- Irrigation systems
- Industrial Application
- Drip irrigation, Sprinkler
- Tank / Cistern filling
- Wildlife Refuge

Features

- High flow system for faster tank fill and significant water output.
- Proven motor and pump technology for long-term reliability
- Clean and pollution free energy, Eco-friendly.
- Ideal for remote areas, where electricity is not available or availability is capital intensive.
- Suitable for day time irrigation, Continuous supply for 6-8 hours in a day.
- Soft start feature prevents water hammer and increases system life Easy to operate.
- Simple installation and maintenance free.

Controller Features

An easy to use interface is provided to enhance configurability and enable remote system monitoring.

- Supports wide varieties of motors
- Graphical lcd for easy operation
- Powered with remote monitoring system

Protection Features

- Dry run Protection.
- Overload Protection
- Open Circuit Protection
- Short Circuit Protection
- Over Heat

Technical Specification

Head Max. : 45 M
Flow Max. : 110 M³/H
Power Range : 0.3 to 13.5 kW





Submersible Pumps

4",6",8",10",12" QF & 14" SSP SERIES

Applications

- Ground water supply to water works
- Irrigation, Domestic water supply
- Pressure boosting units, Ponds
- Fountains, Industrial water supply
- Gardens, Sprinkler Systems and Mining

Features

- High operating efficiency
- Highly durable & hygienic
- Good resistance to sand
- Can be easily dismantled and repaired
- Long service life as all components are stainless steel

Technical Specification

Head Max. : 670 M
Flow Max. : 440 M³/H
Liquid Temp. : 0 to 40°C
Power Range : 0.37 kW to 250 kW



Submersible Motors

REWINDABLE SUBMERSIBLE MOTOR

Applications

Submersible motors are suitable to couple with deepwell submersible pumps end, used for Irrigation, Domestic water supply Fountains, Industrial water supply, Pressure Boosting units, Ponds, Gardens, Sprinklers Systems and Mining

Features

- High operating efficiency
- Water cooled rewindable motor
- Can be easily dismantled & repaired
- Available an standardised NEMA head and shaft end
- Sic Shaft Seal for maximum sand protection.

Motor Sizes

MCIP 100 Motor : 0.37 to 5.5 kW
SML 150 Motor : 4 to 18.5 kW
MTSF 150,200,250 & 300 Motor : 4 to 400 kW



* Considering continuous product development the information/performance/specifications and illustrations disseminated in this catalogue are subject to change without notice.



ENCAPSULATED MOTORS - (PREMIUM 100, SUPER PREMIUM 150 & PREMIUM 200)

Applications

Submersible motors are suitable to couple with deepwell submersible pumps end, used for irrigation. Domestic water supply Fountains, Industrial water supply, pressure Boosting units, Ponds, Gardens, Sprinklers Systems and Mining

Features

- Hermetically sealed Stator, Anti Track, Self Healing Stator
- Resin prevents motor burn out
- Removable "water resistant lead connector"
- Available an standardised NEMA head and shaft end
- Water lubricated radial and thrust bearings
- High efficiency electrical design low operation cost, cool running winding



Motor Sizes

Premium 100 Motor : 0.37 to 7.5 kW
Super Premium 150 Motor : 4 to 37 kW
Premium 200 Motor : 30 to 75 kW

SUBMERSIBLE PUMPSET - PLUG AND PLAY

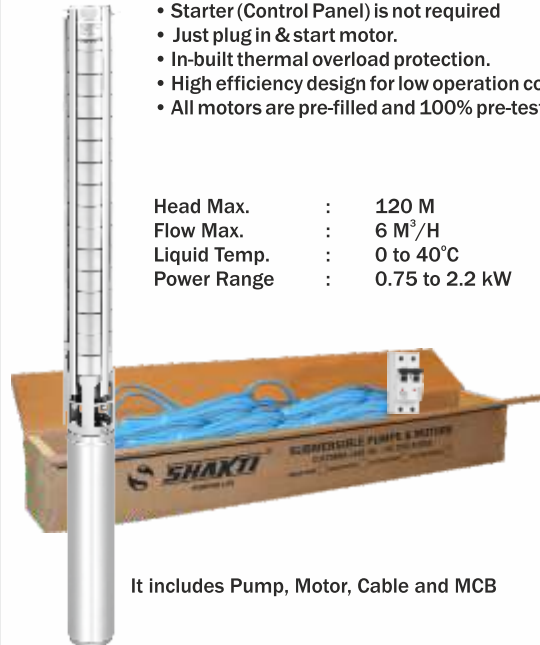
Applications

This series of motors are built for operation in 100 mm (4 inch) or larger bore-wells (with cooling jacket).

Features

- Starter (Control Panel) is not required
- Just plug in & start motor.
- In-built thermal overload protection.
- High efficiency design for low operation cost.
- All motors are pre-filled and 100% pre-tested.

Head Max. : 120 M
Flow Max. : 6 M³/H
Liquid Temp. : 0 to 40°C
Power Range : 0.75 to 2.2 kW



It includes Pump, Motor, Cable and MCB

SUBMERSIBLE PUMP 4SS & SGS SERIES

Applications

- Domestic & Residential water supply
- Gardening and Small Farm Irrigation
- Washing systems
- Civil Applications use.
- Fountains

Features

- Simple installation and maintenance free
- Pump impellers are floating type.
- High efficiency design for low operation cost.
- Longer and trouble free life
- Wide hydraulic range.

Head Max. : 275 M
Flow Max. : 23 M³/H
Power Range : 0.37 to 5.5 kW

Pump with Noryl Impeller





End-Suction Single Shaft Pumps

SMB SERIES

Applications

- The end suction pumps are especially suitable for water distribution in large scale irrigation system.
- Industrial liquid transfer
- HVAC
- Fire fighting system

Features

- Ultra modern design
- Superior design material as well as manufacturing process assure longer life

Technical Specification

Head Max.	: 100 M
Flow Max.	: 192 M ³ /H
Power Range	: 0.37 to 30 kW
Liquid Temp. Max.	: 140°C
Degree of Protection	: IP 55
Class of Insulation	: 'H'
Type of Duty	: S1



End-Suction Close Coupled Pumps

SNB SERIES

Applications

- The end suction pumps are especially suitable for water distribution in large scale irrigation system.
- Industrial liquid transfer
- HVAC
- Fire fighting system

Features

- The pumps have back pull out design enabling the removal of the motor without dismantling the pump.
- Dynamically balanced mechanical seal C vs. SIC / Optional.

Technical Specification

Head Max.	: 100 M
Flow Max.	: 192 M ³ /H
Power Range	: 0.37 to 37 kW
Liquid Temp. Max.	: 140°C
Degree of Protection	: IP 55
Class of Insulation	: 'H'
Type of Duty	: S1



End-Suction Long Coupled Pumps

SNK SERIES

Applications

- The end suction pumps are especially suitable for water distribution in large scale irrigation system.
- Industrial liquid transfer
- HVAC
- Fire fighting system

Features

- The pumps have back pull out design enabling the removal of the motor without dismantling the pump.
- The pump can be driven by diesel engine, DG set and TEFC motor
- Dynamically balanced mechanical seal C vs. SIC / Optional.

Technical Specification

Head Max.	: 115 M
Flow Max.	: 300 M ³ /H
Power Range	: 0.37 to 110 kW
Liquid Temp. Max.	: 140°C
Degree of Protection	: IP 55
Class of Insulation	: 'H'
Type of Duty	: S1



Open-Well Pumps

SHOS CA/SA SERIES

Applications

- Rural and Urban water installations
- Water supplies for high rise buildings
- Water circulating system for lawn & gardens
- Agriculture lift sprinkler and drip irrigation
- Decorative water fountains

Features

- Ultra modern design
- Superior design materials and manufacturing processes assure a longer life
- Easy installation
- Silent vibration free running

Technical Specification

Head Max.	: 94 M
Flow Max.	: 158 M ³ /H
Power Range	: 2.2 to 15 kW
Liquid Temp. Max.	: 33°C
Degree of Protection	: IP 68
Type of Duty	: S1





Vertical Multistage Centrifugal Pumps

SCR, SCRN, High Head Pressure Booster Pumps

SCR, SCRI & SCRN SERIES

Applications

The pumps are suitable for liquid transfer & pressure boosting in :

- Washing systems in Industries
- Fire fighting systems
- HVAC
- Industrial plants
- Water supply systems
- Boiler feeding systems
- Water treatment systems
- Pharma plants

Features

- High operating efficiency
- Precise parts for hygiene
- Suitable for slightly aggressive liquids
- Space saving
- Dynamically Balance Mechanical Seal : Sic vs Sic / Optional

Technical Specification

Head Max.	: 330 M
Flow Max.	: 200 M ³ /H
Power Range	: 0.37 to 75 kW
Liquid Temp.	: -40 to +180°C on request after +120°C
Degree of Protection	: IP 55
Class of Insulation	: 'H'
Type of Duty	: S1



SCR, SCRN, HIGH HEAD PRESSURE BOOSTER

Applications :

The SCR, SCRN high-pressure series is a multi-purpose pump Max suitable for a variety of different applications demanding reliable and cost-efficient supply.

SCR, SCRN handles a variety of liquids from potable water to industrial liquids within a very wide temperature, flow and pressure scale. Below is a list representing some general examples of applications requiring a high pressure.

Pressure Boosting

- Process water systems
- Washing and cleaning system in industries
- High-pressure washdown systems
- Boiler feed and condensate system

Water Treatment

- Ultra-filtration systems
- Reverse osmosis systems.

Features

- High operating efficiency
- Precise parts for hygiene
- Suitable for slightly aggressive liquids
- Space saving
- Dynamically Balance Mechanical Seal : Sic vs Sic / Optional

Technical Specification

Head Max.	: 500 M
Flow Max.	: 180 M ³ /H
Power Range	: 0.37 to 75 kW
Liquid Temp.	: -40 to +180°C on request after +120°C
Degree of Protection	: IP 55
Class of Insulation	: 'H'
Type of Duty	: S1





Immersible Pumps

Single Shaft Vertical Multistage Pumps

SMTR SERIES

Applications :

- Boring
- Milling
- Grinding
- Spark Erosion
- Wire Cutting
- Turning
- Chilling
- Part Washing
- Condensate System
- Pumping of cooling lubricants for machine tools

Features :

- Excellent hydraulic performance
- Study and compact design
- Stainless steel shaft
- Dynamically balanced rotation of all parts
- Quiet and maintenance free
- Interchangeability for easy replacement

Technical Specification

Head Max.	: 330 M
Flow Max.	: 108 M ³ /H
Power Range	: 0.37 to 45 kW
Liquid Temp.	: -10 to +90°C
Degree of Protection	: IP 55
Class of Insulation	: 'H'
Type of Duty	: S1



RO SERIES

Applications

- Industrial & Domestic Pressure Booster
- Domestic Water Supply
- RO/DM Plant/Water Circulation
- Air Conditioning & Chiller Plant

Features

- Stainless Steel Impellers, Shaft and Stage casings (SS 304/SS 316)
- All single phase motors are fitted with thermal motor protector
- Strengthened cartridge seals
- Enhanced hydraulic efficiency
- Good compatibility and environment friendly
- Low noise level and low vibration level

Technical Specification

Head Max.	: 149 M
Flow Max.	: 4.8 M ³ /H
Power Range	: 0.37 to 2.2 kW
Liquid Temp.	: 0 to +90°C
Degree of Protection	: IP 55
Class of Insulation	: 'H'
Type of Duty	: S1





Horizontal Multistage Centrifugal Pumps

SH, SHI, SHN SERIES

Applications

- Suitable for liquid transfer
- Small industries water supply systems
- HVAC
- Water treatment system
- Industrial plants
- Pressure boosting systems
- Domestic water supply
- Horticulture irrigation systems

Features

- Compact Design
- Worldwide usage
- High reliability
- Easy to service and install
- Wide performance Max
- Silent operation
- Fully stainless steel design
- Booster sets for domestic water supply
- Automatic start / stop when equipped with pressure control or pressure tank

Technical Specification

Head Max.	: 58 M
Flow Max.	: 14 M ³ /H
Power Range	: 0.37 to 2.2 kW
Liquid Temp.	: 90°C
Degree of Protection	: IP 55
Class of Insulation	: 'H'
Type of Duty	: S1



Pressure Booster Pumps

SCM SERIES

Applications

- Suitable for liquid transfer
- Small industrial water supply system
- Washing system
- HVAC
- Water treatment system
- Industrial plants
- Pressure boosting systems
- Domestic water supply
- Horticulture irrigation systems

Features

- Compact Design
- Worldwide usage
- High reliability
- Easy to service and install
- Wide performance Max
- Silent operation
- Fully stainless steel design
- Booster sets for domestic water supply
- Automatic start / stop when equipped with pressure control or pressure tank

Technical Specification

Head Max.	: 130 M
Flow Max.	: 30 M ³ /H
Power Range	: 0.37 to 7.5 kW
Liquid Temp.	: 90°C
Degree of Protection	: IP 55
Class of Insulation	: 'H'
Type of Duty	: S1



Domestic Water Pressure Booster Pumps

SJP SERIES

Applications

- Wide variety of water supply and transfer duties in Homes
- Used for Horticulture Irrigation
- Used for small scale service Industries
- Gardening and Hobby activities

Features

- Self-Priming Pump
- Stable operation even in case of air pockets in the liquid
- A plug having two different setting possibilities (open & close) for maximum discharge, maximum efficiency, etc.
- Easy installation
- Dynamically balanced rotating parts to ensure minimum vibration during running
- Replaceable wearing parts and hence longer life
- Easy maintenance and spares availability
- Automatic start/stop when equipped with Press control or pressure tank.
- Booster sets for small-scale water supply
- Silent Operation

Technical Specification

Head Max.	: 40 M
Flow Max.	: 4 M ³ /H
Power Max.	: 0.75 kW
Liquid Temp.	: 0°C to +40°C
operating pressure	: upto 6 Bar
Ambient Temp.	: Max. +40°C
Suction Lift	: Max. 8 m including suction pipe pressure lose at a liquid temp. of +20°C





Hydropneumatic Booster System

HYPN SERIES

Applications

Shakti Hydro SMPC Booster system are design for transfer and pressure boosting of clean water in places such as :

- Water works
- Hospitals
- Hotels
- Schools
- Industries
- Municipal corporation water supply

Depending on the applications, Shakti hydropneumatic systems comes in different configurations

- SMPC-E : fixed speed type.
- SMPC-F : variable speed systems with externally mounted single frequency drive in Shakti control panel e/w Shakti controller and HMI display.
- SMPC-S : variable speed systems with externally mounted frequency drive per pump in Shakti control panel e/w Shakti controller and HMI display (non standard).

Features

- Over voltage Protection
- Fully automatic cascade control
- Auto On/Off as per requirement of water
- Protection against VFD failure
- Pump start / stop count

Technical Specification

Head Max.	: 20 Bar
Flow Max.	: 360 M ³ /H
Power Range	: 75 kW
Liquid Temp.	: 0 to +120°C
Degree of Protection	: IP 55
Class of Insulation	: 'H'
Type of Duty	: S1
No. of Pumps	: 2 to 5



Fire Fighting Pump

Applications

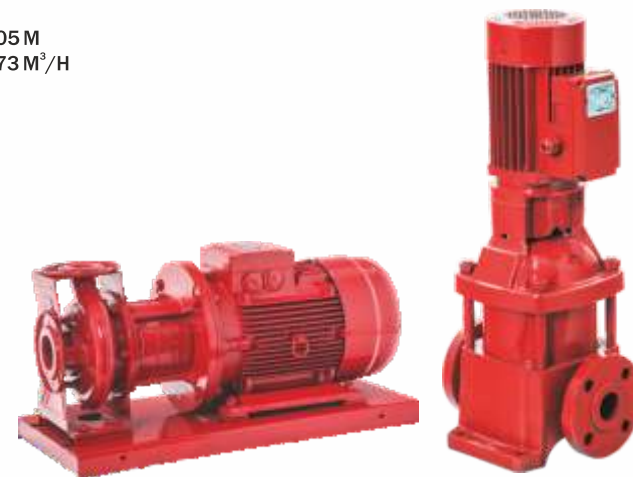
- Industrial and domestic building
- Hotels and hospitals
- Power plant and hydro plant

Features

- High efficiency
- Suitable for slightly aggressive liquids
- Reliability
- Service friendly
- Space saving

Technical Specification

Pressure Max.	: 105 M
Flow Max.	: 273 M ³ /H



* Considering continuous product development the information/performance/specifications and illustrations disseminated in this catalogue are subject to change without notice.



Waste Water Pump

SVX SERIES

Applications

- Draining flooded water from the basement / car parking
- Drainage water / car washes / empty Swimming pools
- Municipal Corporation Drainage Line
- Municipal Corporation Drainage Tankers

Features

- High Quality of Stainless Steel Motor Body
- Built-in Winding Parts
- Rewindable and easy to repair
- Solids passage
- upto Ø35 mm for SVX10-15/35
- upto Ø50 mm for SVX 10-15/50

Technical Specification

Head Max.	: 15 M
Flow Max.	: 20 M ³ /H
Power Range	: 0.75 to 1.1 kW
Liquid Temp.	: +40°C
Degree of Protection	: IP 68
Class of Insulation	: 'F'
Type of Duty	: S1



SSEG SERIES

Applications

The SSEG pumps are ideal for use in sparsely populated areas where gravity sewage systems are not available. Examples include small villages, farm areas, and areas with difficult topography, such as rocky terrains with large differences in levels, or any other area where a pressurized system offers advantages.

Features • Clamp connection between motor and pump. • Cartridge shaft seal. • Grinder system at inlet of pump ensures extremely high efficiency and reliable operation. • Smart Trim system enables quick and easy impeller clearance adjustment in order to maintain peak performance.

Technical Specification

Head Max.	: 45 M
Flow Max.	: 17.5 M ³ /H
Power Range	: 2.2 to 4 kW
Liquid Temp. Max	: +40°C
Degree of Protection	: IP 68
Class of Insulation	: 'F'
Type of Duty	: S1



SDW SERIES

Applications

- Waste water drainage in factories, Construction Sites and Commercial Facilities Drainage system in municipal sewage treatment plant • Industrial Sewage and Effluent treatment Plants • Municipal Projects • Residential and building projects

Features

- High efficiency motor • Anti-Rust Corrosive motor housing • Non -clogging, minimized abrasive wear • Superior back to back double mechanical seal • Maximum particle size upto 45mm

Technical Specification

Head Max.	: 31 M
Flow Max.	: 160 M ³ /H
Power Range	: 0.75 kW to 7.5 kW
Liquid Temp.	: +40°C
Degree of Protection	: IP 68
Class of Insulation	: 'F'
Type of Duty	: S1





Open-Well Centrifugal Pumps

Self Priming Pumps

Peripheral Pumps

SOMB SERIES

Applications

- Rural and Urban water installations
- Water supplies for high rise buildings
- Water circulating system for lawn & gardens
- Agriculture lift sprinkler and drip irrigation
- Decorative water fountains

Features

- Ultra modern design
- Superior design materials and manufacturing processes assure a longer life
- Easy installation
- Silent vibration free running

Technical Specification

Head Max.	: 33 M
Flow Max.	: 22 M ³ /H
Power Range	: 0.37 to 1.5 kW
Liquid Temp. Max.	: +40°C
Degree of Protection	: IP 68
Type of Duty	: S1



CRP SERIES

Applications

- Domestic water supply
- Water transfer applications
- Home pressure boosting
- Construction site
- Garden / fountains

Features:-

- High quality die cast aluminum motor body
- Anti corrosion coated cast iron parts
- In built thermal overload protection
- SS shaft
- Bronze impeller
- Double sealed ball bearings

Technical Specification

Head Max.	: 66 M
Flow Max.	: 4 M ³ /H
Power Range	: 0.37 to 1.1 kW
Liquid Temp. Max.	: +40°C
Degree of Protection	: IP 58
Class of Insulation	: 'B'
Type of Duty	: S1



NSP SERIES

Applications

- Residential
- Washing system
- Gardens
- Civil applications

Features:-

- Excellent hydraulic performance
- Sturdy and compact
- Good suction lift characteristics
- Brass insert is provided in the pump casing
- Dynamic balanced rotating parts
- Quiet and maintenance free

Technical Specification

Head Max.	: 28 M
Flow Max.	: 2 M ³ /H
Power Range	: 0.37 kW
Liquid Temp. Max.	: 40°C
Degree of Protection	: IP 58
Class of Insulation	: 'F'
Type of Duty	: S1





Simha Universal Drive

Certification : IEC 61683, IEC 600682-2-(1,2,14,30),
IS 16221-2 (IEC 62109-2), IEC 60529, EN 50530

Applications

• All in one solution for driving of various motors like AC-IM, PMSM, IPMSM for solar pumps or any other general applications.

Features

• Supports wide varieties of motors • Independent data logging facility • Dust-proof & rain-proof IP 65 design • Wide temperature range • Plug & play shock-proof connectors • Graphical lcd for easy operation • Powered with remote monitoring system

Power Rating

- 0.55 to 7.5 kW

Power Rating

- 10 Amp to 20 Amp



FEATURES



SUPPORTS WIDE VARIETIES OF MOTORS



DUST-PROOF & RAIN-PROOF IP 65 DESIGN



PLUG & PLAY SHOCK-PROOF CONNECTORS

POWERED WITH REMOTE MONITORING SYSTEM



GRAPHICAL LCD FOR EASY OPERATION



INBUILT MOBILE CHARGER PORT



INDEPENDENT DATA LOGGING FACILITY



WIDE TEMPERATURE RANGE

Nandi Universal Drive

Patents Filed
IP No. 201721019554A, 201821013344 & 201821013345

Applications

• All in one solution for driving of various motors like AC-IM, PMSM, IPMSM for solar pumps or any other general applications.

Features

• Supports wide varieties of motors • Independent data logging facility • Dust-proof & rain-proof IP 65 design • Wide temperature range • Graphical LCD for easy operation • Inbuilt mobile charger port • Powered with remote monitoring system

Power Rating

- 11 to 93 kW

Power Rating

- 25 Amp to 210 Amp



FEATURES



SUPPORTS WIDE VARIETIES OF MOTORS



DUST & RAIN PROOF IP65 DESIGN



POWERED WITH REMOTE MONITORING SYSTEM



GRAPHICAL LCD FOR EASY OPERATION



INDEPENDENT DATA LOGGING FACILITY



WIDE TEMPERATURE RANGE



MOBILE APP CONTROL

Lotus Universal Drive

Application

All in one solution for driving of all motors like AC-IM, PMSM, IPMSM, S4RM, etc.

Power Rating

- 3 to 7.5 kW



IP 20 DESIGN WITH HIGH POWER DENSITY



ANALOG POT FOR SPEED CONTROL



SUPPORTS WIDE VARIETY OF MOTORS



GRAPHICAL LCD FOR EASY OPERATION



WIDE TEMPERATURE RANGE



INDEPENDENT DATA LOGGING FACILITY



Hybrid Pump Controller

Applications

- Runs pump for agriculture • Feeds extra power to the grid • Increases farmer's income

Features

- Pump runs from solar • Pump operation without grid is also possible
- Works with ACIM, PMSM & IPMSM • Simultaneous operation of VFD & inverter • Delivers additional power to grid • Maximum utilization of energy

Power Rating

- 1 to 3 kW (1 Phase)
- 3 to 10 kW (3 Phase)



FEATURES



DUST & RAIN PROOF
IP 65 DESIGN



POWERED WITH
REMOTE MONITORING
SYSTEM



INTELLIGENT DIGITAL
CONTROL



GPRS ENABLED &
BLUETOOTH
CONNECTIVITY



USER FRIENDLY
LCD DISPLAY



PLUG & PLAY
SHOCK-PROOF
CONNECTIONS



SUPPORTS WIDE
VARIETIES OF
MOTORS



FEEDS EXTRA
POWER TO
THE GRID



INCREASE
FARMER'S
INCOME



INBUILT MOBILE
CHARGING PORT

Universal Solar Pump Controller (USPC)

Applications

- Runs various agrarian applications from solar such as pump, thresher, chaff cutter, atta chakki etc. • Increases farmer's income

Features

- Multiple applications run from solar • Supports a variety of solar motor pump sets • Shock proof connectors • Inbuilt protection
- Remote monitoring & control • Mobile charging port • Supports a variety of solar pumps • Agrarian application support • Intelligent digital control • Powered with remote monitoring system • GPRS enabled & bluetooth connectivity • Shock-proof connections
- Dust & rain proof IP 65 design

Power Rating

- 2.2 to 7.5 kW



FEATURES



DUST & RAIN PROOF
IP 65 DESIGN



SUPPORTS A VARIETY
OF SOLAR PUMPS



USER FRIENDLY
LCD DISPLAY



AGRARIAN APPLICATION
SUPPORT



SHOCK-PROOF
CONNECTIONS



INTELLIGENT DIGITAL
CONTROL



POWERED WITH
REMOTE MONITORING
SYSTEM



GPRS ENABLED &
BLUETOOTH
CONNECTIVITY

Grid Tie Inverter

Applications

- Rooftop solar installation & grid-tie inverter in domestic • small & big commercial establishments.

Features

- Plug & play shock proof unique connections • In-built PV insulation protection • Feeds power to the grid • Simple installation & operation
- Suitable for outdoor installation • In-built surge protection • Dust & rainproof IP 65 design • User friendly LCD display • Intelligent digital control • Powered with remote monitoring system • GPRS/WiFi enabled & bluetooth connectivity • Inbuilt in DC switch

Power Rating

- 1 to 3 kW - 1 Ø



- 3 to 20 kW - 3 Ø



FEATURES



DUST & RAIN PROOF
IP 65 DESIGN



INTELLIGENT DIGITAL
CONTROL



POWERED WITH
REMOTE MONITORING
SYSTEM



GPRS ENABLED &
BLUETOOTH
CONNECTIVITY



USER FRIENDLY
LCD DISPLAY



Hybrid Inverter

Applications

- Domestic, small and big commercial establishments: Off-grid inverter / Grid-tie Inverter

Features

- Works with multiple energy sources • Acts as a solar ups • In-built PV insulation protection • Single phase hybrid inverter • Fast charging • Supports both vrla & liion batteries • Feeds extra energy to the grid

Power Rating

- 1 - 6 kVA



FEATURES



DUST & RAIN PROOF
IP 65 DESIGN



USER FRIENDLY
LCD DISPLAY



INTELLIGENT DIGITAL
CONTROL



POWERED WITH REMOTE
MONITORING SYSTEM



GPRS/WIFI ENABLED &
BLUETOOTH CONNECTIVITY

DU / DT Filter

Applications

- Reduce voltage spikes, Common modes and bearing current

Features

- Support wide varieties of drives • Dust proof & rain proof IP54 design • Wide temperature range • Plug & Play shock proof connector • Extends the life of motor and its associate cable • Better filtering with amorphous core inductor • Reduce common mode current upto 30% • Applicable upto 500 meter

Power Rating

- 0.37 to 4 kW

AMP Rating

- 16 Amp



FEATURES



PLUG & PLAY
SHOCK-PROOF
CONNECTORS



DUST-PROOF &
RAIN-PROOF
IP 54 DESIGN



SUPPORTS WIDE
VARIETIES
OF DRIVES



WIDE
TEMPERATURE
RANGE

Shakti RMS Dongle

Benefits

- Works on GSM / LTE / WIFI / Bluetooth
- Inbuilt data logger and RTC
- Remote monitoring & control





A1 Smart Starter

Applications

- Suitable for 1 Phase AC Induction motor.
- Suitable for 3 Phase AC Induction & S4RM motor.

Features

- Energy Metering • Ensures longer life of the motor • Better protection
- GPRS & Blue tooth Enabled • User Friendly Display

Power Rating

- 0.37 to 11 kW (1 Phase)
- 0.37 to 11 kW (3 Phase)

AMP Rating

- 7 to 69 Amp (1 Phase)
- 2 to 30 Amp (3 Phase)



FEATURES



ENSURES LONGER
LIFE OF THE MOTOR



BETTER
PROTECTION



INTELLIGENT ELECTRONIC
FUNCTIONALITY



STRESS FREE
OPERATION OF THE MOTOR



USER FRIENDLY
DISPLAY



GPRS ENABLED &
BLUETOOTH CONNECTIVITY



REMOTE
CONTROL



INBUILT AUTO
SWITCH

Elite Soft Starter

Applications

- To softly start and softly stop agricultural and industrial three phase AC-IM and Shakti's S4RM Motors.

Features

- Softly start & softly stop the motor • Ensures longer life of the motor • Covers 3 phase ac-im & shakti's S4RM motor • User friendly display • Better protection • GPRS enabled

Power Rating

- 15 to 22 kW

Power Rating

- Upto 55 Amp



FEATURES



SOFTLY START &
SOFTLY STOP
THE MOTOR



ENSURES LONGER
LIFE OF THE MOTOR



STRESS FREE
OPERATION
OF THE MOTOR



BETTER
PROTECTION



USER FRIENDLY
DISPLAY



GPRS ENABLED



uPVC Column Pipes

FEATURES

- Non toxic in every way.
- Suitable for Depth up to 1200 Feet
- Easy to carry , handle install
- No chance in chemical getting deposited
- Save electricity
- Long lasting
- Inbuilt locking system
- 25 % more discharge as compare to Galvanized pipe
- Rubber gasket and spigot end both inside & outside ensure smooth joining as well as pressure sealing
- Very cost effective

RANGE :

Outer Diameter : 33 MM to 165 MM
Available in Standard, Medium, Heavy & Super Heavy
Pressure Rating : 15 KG/CM² to 35 KG/CM²



PVC Rigid Pipes

FEATURES

- Lightweight, easy to transport & install
- Strong, flexible & durable
- High electrical resistance, low thermal conductivity & extremely hygienic
- Termite proof and UV resistant
- Leak proof
- Resistant to moisture abrasion & wearing
- Resistant to chemicals.

RANGE :

Outer Diameter / Pressure Rating
90 MM to 315 MM OD in 2.5 KG/CM²
63 MM to 315 MM OD in 4.0 KG/CM²
40 MM to 315 MM OD in 6.0 KG/CM²
20 MM to 315 MM OD in 10.0 KG/CM²



SWR Pipes

FEATURES

SWR pipes are specially designed and manufactured using high grade raw materials and are an ideal solution for efficient removal of waste without leakage in the drainage system. SWR pipes and fittings are used for non-pressure plumbing applications such as transportation of soil, waste and rainwater, non-pressure industrial drainage applications, and waste discharge systems in residential and commercial complexes, resorts, and hospitals.

RANGE :

Outer Diameter : 75 MM to 160 MM
Pressure Rating : 2.5 KG/CM²



HDPE Pipes

FEATURES

- Excellent corrosion and chemical resistance.
- Inert to most acidic and alkaline solutions.
- High flow characteristics.
- Light weight.
- Easy to handle & transport.
- Excellent flexibility combined with strength.
- Good abrasion resistance.
- Smooth inner walls minimize frictional losses.
- Safe for potable water supply.

RANGE :

Outer Diameter : 25 MM to 500 MM
Grade : PE63, PE80 & PE100
Pressure Rating : PN4, PN6, PN8, PN10, PN12.5 & PN16





Casing Pipes

FEATURES

- Minimum yield of water.
- Excellent corrosion and chemical resistance.
- Fire proof
- Long life.
- Easy to handle & transport.
- Easy Joining and Installation.
- Very high collapsible resistance
- Ultimate tensile and impact strength

RANGE :

Outer Diameter : 110 MM to 225 MM

Colour : Blue & Gray

Available : Slotting, threading & Solvent Joint



Sprinkler Pipes

FEATURES

- Strong, durable & leak proof
- Safe - UV stabilizer for protection from sunlight & avoid degradation of materials
- Light weight and flexible
- Energy saving
- High Quality Grade Pipe & Fittings
- Inert to chemical, corrosion,
- Water Saving
- Environmental stress
- Long Lasting & Maintenance Free

RANGE :

Outer Diameter : 63 MM to 110 MM

Pressure Rating : 2.5, 3.2, 4 & 6 KG/CM²



Column Pipe Adaptors

FEATURES

- Highly reliable
- Durable & have long service life.
- Available for all sizes from 1" to 6"



**ADAPTOR SS
(Top & Bottom)**



**ADAPTOR CI
(Top & Bottom)**

Cable

3 & 4 CORE FLAT CABLE

The main characteristics of our PVC Compound are as follows:

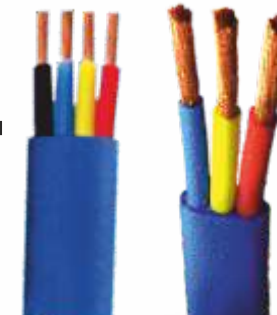
- High dielectric strength.
- High Insulating Resistance Properties.
- Thermal Compatibility & High Mechanical Strength.
- Permanent Colours.
- Permanence : Physical & Electrical properties will not deteriorate even under Severe ageing conditions.
- Three Core Submersible Flat Cable in Voltage Grade 1100 V.

Technical Specification Of Flat Cable

- Cable Type: Flexible Copper Conductor Pvc Insulated Cable
- Insulation Material: Pvc Type A
- Sheathing Material: St 1
- Voltage Grade: 1100 V
- Volume Resistance For Insulation (27): 5-6 X Ohm.cm
- Volume Resistance For Insulation (70): 6-8 X Ohm.cm
- Tensile Strength Of Sheath: 15 N/
- Elongation: 205 N/
- Brand Name: Shakti

Application

- Applicable for submersible motor
- Applicable for surface motor
- Applicable for domestic & industrial





Drip Irrigation

PLAIN LATERAL

Applications

Agriculture & Horticulture
Irrigation of fields & plants

Features

- Made of imported virgin raw material
- Long life
- UV resistant
- Water & power saving
- Lesser supervision required

Technical Specification

Max. Working Pressure : 4KG/CM²
Size : 12, 16, 20, 25 & 32 MM
Thickness : ISI class I and class II
Coil Length : 100M, 200M and 300M



FLAT DRIP

Applications

Agriculture & Horticulture
Irrigation of fields & plants

Features

- Made of imported virgin raw material
- Long life
- UV resistant
- Customized coil length option
- Uniform flow
- Imported dripper

Technical Specification

Max. Working Pressure : 2.5KG/CM²
Discharge : 1 LPH, 2 LPH & 4 LPH
Size : 12MM, 16MM, 20 MM
Thickness : 14 MIL (Safar, class I, II and class III)
Dripper spacing : 30 CM to 150 CM
Filtration required : 130 micron
Coil Length : 300M, 500M



ROUND DRIP

Applications

Agriculture & Horticulture
Irrigation of fields & plants

Features

- Made of imported virgin raw material
- Long life
- UV resistant
- Customized coil length option
- Uniform flow
- Imported dripper

Technical Specification

Max. Working Pressure : 2.5KG/ CM²
Discharge : 2 LPH & 4 LPH
Size : 12 MM, 16 MM
Thickness : ISI class I and class II
Dripper spacing : 30 CM to 150 CM
Filtration required : 130 micron
Coil Length : 300 M, 500 M





Solar Mounting Structure (Manual)

Application

- Used for mounting solar modules

Features

- Structure can be manually adjusted in a day (East-West) to face the sun optimally.

Note

- Provides rigidity and stability to support Modules.
- Wind Speed Resistance : 150 km/hr



Solar Mounting Structure (Auto Tracking)

Application

- Used for mounting solar modules

Features

- It can track the daily east to west moment of the sun & the seasonal declination movement of the sun

Note

- Auto tracking structure provide 30 to 35% more power as compare to non tracking structure
- Wind Speed Resistance : 150 km/hr





Our Prestigious Installations



MODEL : 1,500 WATT, DISCHARGE : 12'000 LPD
(VINAROS , SPAIN)



MODEL : 2700 WATT, DISCHARGE : 64'000 LPD
(TURKANA, KENYA)



MODEL : 9000 WATT, DISCHARGE : 102'000 LPD
(BANGLADESH)



MODEL : 1200 WATT, DISCHARGE : 20'000 LPD
(UGANDA)



MODEL : 4800 WATT, DISCHARGE : 120'000 LPD
(ABUJA, NIGERIA)



MODEL : 900 WATT, DISCHARGE : 12,000 LPD
(WATER & SANITATION CORPORATION, RWANDA)



MODEL : 1500 WATT, DISCHARGE : 35,000 LPD
(KEDAH, MALAYSIA)



MODEL : 1800 WATT, DISCHARGE : 145'000 LPD
(THAILAND)

Solar Car Parking 68 kW Power Generation



Solar On-grid 75 kW Power Generation



And many more ...



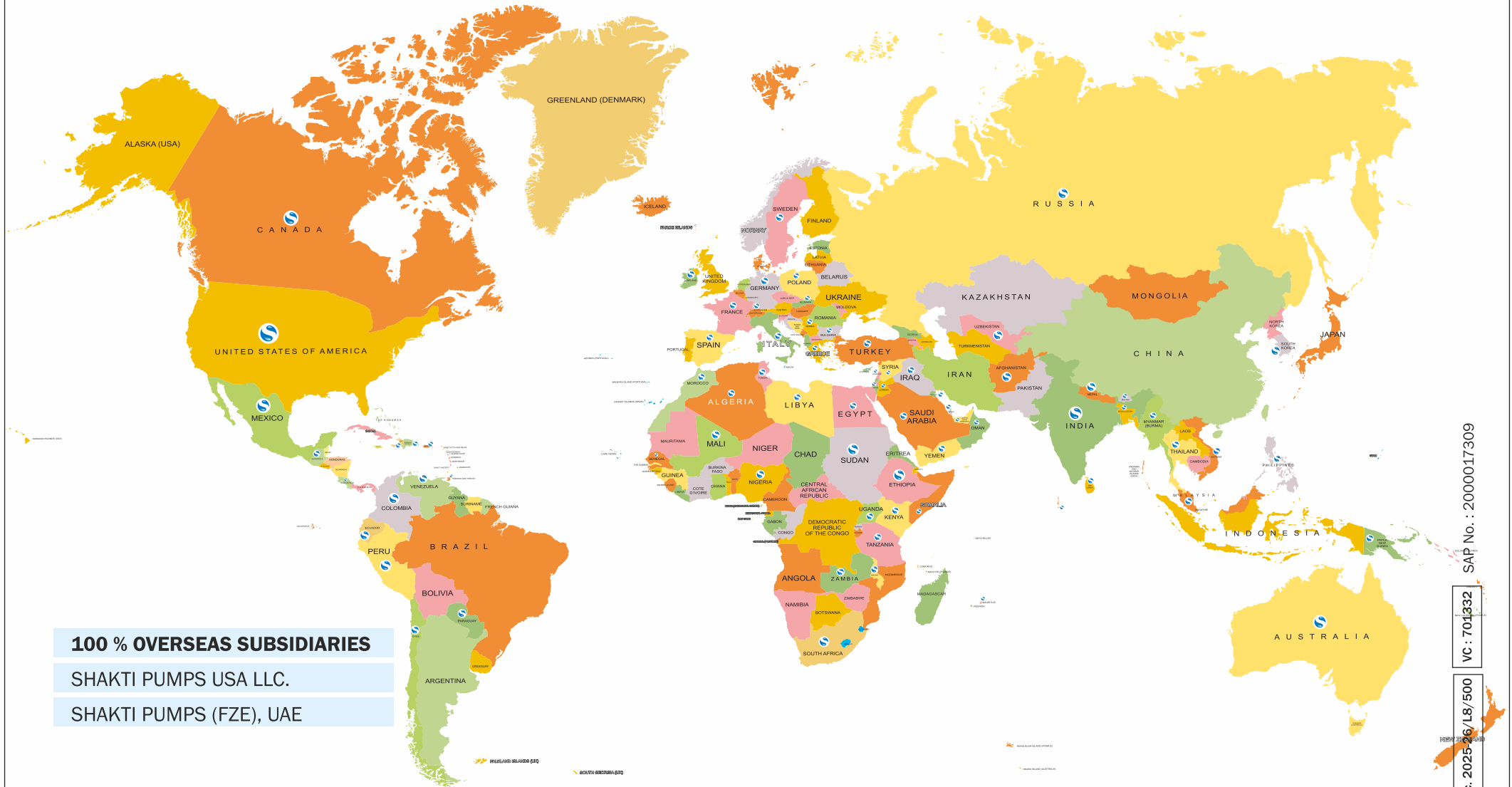
Various certifications - a proof of our excellence.

Various certifications recognize our commitment to excellence. Bureau of Energy Efficiency (BEE) has granted 5 star ratings to more than 260 of our pump models for their superior energy efficiency. We have also been certified by independent bodies like UL, CE, ISO, BIS, ISI, etc.



Certified to NSF/ANSI CAN 61

OUR PRESENCE



100 % OVERSEAS SUBSIDIARIES

SHAKTI PUMPS USA LLC.

SHAKTI PUMPS (FZE), UAE



SHAKTI PUMPS (INDIA) LIMITED

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