



# **SHAKTI**

PUMP > THAT > PAYS >



Shakti means 'power' and at Shakti Pumps this power corresponds to the power to perform, the power to persist and the power to save and all of the Shakti products exhibit this power through their performance.

Established in 1982, Shakti Pumps is the pioneer in producing stainless steel pumps in India. Became a Limited Company in year 1995 & today with more than 700 employees Shakti Pumps manufactures international standard pumps for wide usage spectrum; be it domestic, agricultural, industrial, waste water or temperature control. Manufactured in a state-of-the-art facility using the best quality raw materials and the latest technology, each and every Shakti Pump is a result of our relentless research and our product policy of making the most efficient, high performance energy saving pumps.

We strive to become one of the leading global players in the stainless steel pumps arena and with a remarkable presence in over 60 countries across the world.

## VISION

To be a USD 100 Million, customer value enhancing international company by 2012. This will be achieved through becoming a global industry leader.

## MISSION

Our aim is to manufacture high quality stainless steel pumps and motors that bring a difference in people's lives. A difference that spells convenience, efficiency, consistency, utility and complete value for money. We strive for customer delight through creating products that address their needs.



Shakti is among the few pioneers in the world to produce 100% stainless steel submersible pumps. Having achieved a record capacity of over one million pumps per annum, today Shakti is rubbing its shoulders with the best brands in the world with advanced technology and innovation as its hallmarks. Main focus of the company is to manufacture quality pumps which consumes less energy, have long life and easy to maintain.

The fineness in quality coupled with energy efficiency is the key difference which helps us to maintain leadership in the Global Pump Industry.

We have developed the most advanced assembly line, right from the very beginning.

Equipped with high efficiency equipments, we specialize in rolling out intricately designed and flawlessly assembled top quality products, from our facilities manned by highly skilled manpower.

Fully computerized testing division monitors the performance of every single pump. Hence, maintaining a regular quality code.

Horizons are still expanding. With the operational New Units in Sector III, Pithampur Industrial Area & SEZ (Special Economic Zone) Pithampur, we have units that operate & function for different product groups to meet the needs of domestic as well as International markets.



SEZ UNIT, Pithampur



UNIT III, Pithampur



UNIT I & II, Pithampur





# STAINLESS STEEL SUBMERSIBLE PUMPS



**4" Submersible Pumps**  
(QF 1 – QF 25)

**Applications**

- > Irrigation, domestic water supply
- > Fountains, industrial water supply
- > Pressure boosting units, ponds
- > Gardens, Sprinkler Systems and mining

**Features**

- High Operating efficiency
- Highly Durable & hygiene
- Good resistance to sand
- Can be easily dismantled and repaired
- Can handle upthrust load

**100 MM Well Size**

Model No.	QF1	QF1.5	QF2	QF3	QF5	QF6	QF12	QF20	QF25
Flow (M <sup>3</sup> /h)	1	1.5	2	3	5	8	9	14	
Flow (GPM)	5	7	10	16	25	40	60	75	
Outlet Size (Inches)	1¼	1¼	1¼	1¼	1½	2	2	2	
	1	1		1½					



**6" Submersible Pumps**  
(QF 10 – QF 100)

**Applications**

- > Irrigation, domestic water supply
- > Fountains, industrial water supply
- > Pressure boosting units, ponds
- > Gardens, Sprinkler Systems and mining

**Features**

- High Operating efficiency
- Highly Durable & hygiene
- Good resistance to sand
- Can be easily dismantled and repaired
- Can handle upthrust load

**150 MM Well Size**

Model No.	QF10	QF15	QF30	QF50	QF75	QF100
Flow (M <sup>3</sup> /h)	10	12	17	30	46	60
Flow (GPM)	-	-	85	150	230	385
Outlet Size (Inches)	2½	2½	2½	3	3	3
			3	4	4	4



**8" Submersible Pumps**  
(QF 125 – QF 160)

**Applications**

- > Irrigation, domestic water supply
- > Fountains, industrial water supply
- > Pressure boosting units, ponds
- > Gardens, Sprinkler Systems and mining

**Features**

- High Operating efficiency
- Highly Durable & hygiene
- Good resistance to sand
- Can be easily dismantled and repaired
- Can handle upthrust load

**200 MM Well Size**

Model No.	QF125	QF160
Flow (M <sup>3</sup> /h)	77	95
Flow (GPM)	385	475
Outlet Size (Inches)	5	5



**10" Submersible Pumps**  
(QF 210 – QF 270)

**Applications**

- > Irrigation, domestic water supply
- > Fountains, industrial water supply
- > Pressure boosting units, ponds
- > Gardens, Sprinkler Systems and mining

**Features**

- High Operating efficiency
- Highly Durable & hygiene
- Good resistance to sand
- Can be easily dismantled and repaired
- Can handle upthrust load

**250 MM Well Size**

Model No.	QF210	QF270
Flow (M <sup>3</sup> /h)	125	160
Flow (GPM)	625	800
Outlet Size (Inches)	6	6



**12" Submersible Pumps**  
(QF 360)

**Applications**

- > Irrigation, domestic water supply
- > Fountains, industrial water supply
- > Pressure boosting units, ponds
- > Gardens, Sprinkler Systems and mining

**Features**

- High Operating efficiency
- Highly Durable & hygiene
- Good resistance to sand
- Can be easily dismantled and repaired
- Can handle upthrust load

**300 MM Well Size**

Model No.	QF360
Flow (M <sup>3</sup> /h)	215
Flow (GPM)	1100
Outlet Size (Inches)	6



**14" Submersible Pumps**  
(SSP 270 – SSP 360)

**Applications**

- > Irrigation, domestic water supply
- > Fountains, industrial water supply
- > Pressure boosting units, ponds
- > Gardens, Sprinkler Systems and mining

**Features**

- High Operating efficiency
- Highly Durable & hygiene
- Good resistance to sand
- Can be easily dismantled and repaired
- Can handle upthrust load

**Operating Condition**

- Flow Rate, Q – 27 – 450 m<sup>3</sup>/h
- Head, H – Max. 425 meter

**Material**

- Diffuser – Cast Iron
- Impeller – Bronze

**360 MM Well Size**

Model No.	SSP270	SSP300	SSP360
Flow (M <sup>3</sup> /h)	240	280	440
Outlet Size (Inches)	6	6	6



## SUBMERSIBLE MOTORS



**4" RO Series  
(Oil Filled Rewindable Motors)**

### Application

These Submersible motors are suitable to couple with deepwell submersible pump ends, used for irrigation, domestic water supply, fountains, industrial water supply, pressure boosting units, ponds, Gardens, Sprinkler Systems and Mining.

### Features

- High operating efficiency and lesser power Consumption.
- Shaft made of Stainless Steel AISI420.
- Can be easily dismantled and repaired.
- Corrosive filled with non-toxic oil.
- Industry Standard NEMA mounting Dimensions
- Sand Slinger Protection.

### Specifications

Nominal Dia : 4"

Power range (kW) : 0.37 kW - 2.2 kW  
(Single Phase)

: 0.37 kW - 7.5 kW  
(Three Phase)

Speed : 2850 rpm, 50 Hz &  
3450 rpm, 60 Hz

Versions : 230V, 50 Hz & 60 Hz  
(Single Phase)

: 380 / 400 V, 50 Hz (Three Phase)

: 230 / 460V, 60 Hz (Three Phase)

: Direct On Line (DOL)

Thrust Rating : 1500-6500 N

Type of Duty : S1 (Continuous)

Degree of protection : IP 58

Class of Insulation : F

Maximum Liquid Temperature : 35°C



**4" Premium Series  
(Encapsulated Motors)**

### Application

These Submersible motors are suitable to couple with deepwell submersible pump ends, used for irrigation, domestic water supply, fountains, industrial water supply, pressure boosting units, ponds, Gardens, Sprinkler Systems and Mining.

### Features

- High operating efficiency and lesser power Consumption.
- Shaft made of Stainless Steel AISI420.
- Can be easily dismantled and repaired.
- Industry Standard NEMA mounting Dimensions
- Sand Slinger Protection.

### Specifications

Nominal Dia : 4"

Power range (kW) : 0.37 kW - 2.2 kW  
(Single Phase)

: 0.37 kW - 7.5 kW  
(Three Phase)

Speed : 2850 rpm, 50 Hz &  
3450 rpm, 60 Hz

Versions : 230V, 50 Hz & 60 Hz  
(Single Phase)

: 380 / 400 V, 50 Hz (Three Phase)

: 230 / 460V, 60 Hz (Three Phase)

: Direct On Line (DOL)

Thrust Rating : 1500-6500 N

Type of Duty : S1 (Continuous)

Degree of protection : IP 58

Class of Insulation : F

Maximum Liquid Temperature : 35°C



**6" SML-CI Series  
(Water Filled Rewindable Motors)**

### Applications

These Submersible motors are suitable to couple with deepwell submersible pump ends, used for irrigation, domestic water supply, fountains, industrial water supply, pressure boosting units, ponds, Gardens, Sprinkler Systems and Mining.

### Features

- Water Cooled Rewindable motor
- Can be easily dismantled and repaired
- High operating efficiency
- Industry Standard NEMA mounting Dimensions

### Specifications

Nominal Dia : 6"

Power range (kW) : 4 kW - 18.5 kW

Speed : 2900 rpm

Versions : 380 / 400 V, 50 Hz

Thrust Rating : 15500 N

Type of Duty : S1 (Continuous)

Degree of protection : IP 68

Class of Insulation : F

Maximum Liquid Temperature : 30°C



**6" MATASF-CI & SS304 Series  
(Water Filled Rewindable Motors)**

### Applications

These Submersible motors are suitable to couple with deepwell submersible pump ends, used for irrigation, domestic water supply, fountains, industrial water supply, pressure boosting units, ponds, Gardens, Sprinkler Systems and Mining.

### Features

- Water Cooled Rewindable motor
- Can be easily dismantled and repaired
- High operating efficiency
- Industry Standard NEMA mounting Dimensions with Studs (M 12)
- Cable Material according to drinking water regulations.
- Sand Slinger and shaft seal for high performance in sand
- Design for retrofitable PT 100 Sensor.
- Mech. Seal : Sic vs Sic

### Specifications

Nominal Dia : 6"

Power range (kW) : 4 kW - 37 kW

Speed : 2900 rpm, 50Hz &  
3450 rpm, 60Hz

Versions : 380 / 400 V, 50 Hz (Three Phase)

: 230 / 380 / 460 V, 60 Hz  
(Three Phase)

Thrust Rating : 15500 N - 27500 N

Type of Duty : S1 (Continuous)

Degree of protection : IP 68

Class Of Insulation : F

Maximum Liquid Temperature : 30°C

### Optional :

- Motor in Complete 316
- PE2/PA winding insulation for max ambient temp. of 50°C at the same cooling conditions as standard



**8" MCI 200 Series  
(Water Filled Rewindable Motors)**

### Applications

These Submersible motors are suitable to couple with deepwell submersible pump ends, used for irrigation, domestic water supply, fountains, industrial water supply, pressure boosting units, ponds, Gardens, Sprinkler Systems and Mining.

### Features

- Water Cooled Rewindable motor
- Can be easily dismantled and repaired
- High operating efficiency
- Industry Standard NEMA mounting Dimensions.
- Cable Material according to drinking water regulations.
- SIC shaft seal for maximum sand protection
- Optional PT 100 Sensor.
- Easy to mount with double flange.
- Mech. Seal : Sic vs Sic

### Specifications

Nominal Dia : 8"

Power range (kW) : 30 kW - 92 kW

Speed : 2900 rpm, 50Hz & 3450 rpm, 60Hz

Versions : 380 / 400 V, 50 Hz (Three Phase)

: 230 / 380 / 460 V, 60 Hz  
(Three Phase)

Thrust Rating : 45000 N

Type of Duty : S1 (Continuous)

Degree of protection : IP 68

Class Of Insulation : F

Maximum Liquid Temperature : 30°C

### Optional :

- Motor in Complete 316
- PE2/PA winding insulation for max ambient temp. of 50°C at the same cooling conditions as standard



**10" MCI 250 Series  
(Water Filled Rewindable Motors)**

### Applications

These Submersible motors are suitable to couple with deepwell submersible pump ends, used for irrigation, domestic water supply, fountains, industrial water supply, pressure boosting units, ponds, Gardens, Sprinkler Systems and Mining.

### Features

- Water Cooled Rewindable motor
- Easy to mount with double flange.
- Can be easily dismantled and repaired
- High operating efficiency
- Cable Material according to drinking water regulations.
- Sand Slinger and SIC shaft seal for maximum sand protection
- Optional PT 100 Sensor.
- Non contaminating FES 93 filling.
- Mech. Seal : Sic vs Sic

### Specifications

Nominal Dia : 10"

Power range (kW) : 110 kW - 185kW

Speed : 2900 rpm, 50Hz &  
3450 rpm, 60Hz

Versions : 380 / 400 V, 50 Hz (Three Phase)

: 230 / 380 / 460 V, 60 Hz (Three Phase)

Thrust Rating : 60000 N

Type of Duty : S1 (Continuous)

Degree of protection : IP 68

Maximum Liquid Temperature : 25°C

### Optional :

- Motor in Complete 316
- PE2/PA winding insulation for max ambient temp. of 45°C at the same cooling conditions as standard



## SRN Series



**Vertical Multistage Centrifugal Pumps**

**Applications:**

The Pumps are suitable for liquid transfer in

- > Washing Systems
- > Cooling and air-conditioning systems
- > Water Supply systems
- > Water treatment Systems
- > Fire fighting Systems
- > Industrial plants
- > Boiler feeding systems

**Features**

- High Operating efficiency
- Precise parts for hygiene
- Good Suction lift and operating pressure
- Service-Friendly
- Space-Saving
- Suitable for slightly aggressive liquids

**Specifications**

Power range (kW) : 0.37 kW - 45kW  
 Speed : 2900rpm, 50Hz & 3450 rpm, 60 Hz  
 Versions : 230V – 50Hz & 60Hz (Single Phase)  
 A.C. Supply, incorporated with Thermal Overload Protector.  
 : 380 / 415V, 50Hz & 230 / 460V, 60Hz (Three Phase)  
 Type of Duty : S1 (Continuous)  
 Degree of protection : IP 55  
 Class of Insulation : F  
 Flow range upto : 90 M<sup>3</sup> / h  
 Head range upto : 270 M  
 Liquid Temp : -30°C to +120°C  
 Operating Pressure : Max. 27 bar

Model No.	SRN 1s	SRN 1	SRN 3	SRN 5	SRN 10	SRN 15	SRN 20	SRN 32	SRN 45	SRN 64	SRN 90
Flow (M <sup>3</sup> /h)	0.8	1	3	5	10	15	20	32	45	60	90
Flow (GPM)	4.5	8.5	15	30	55	95	110	140	220	340	440
Max. Pressure (Bar)	21	22	24	24	22	23	25	28	26	20	20

## SH Series



**Domestic Water Pressure Boosting Pump**

**Applications:**

Suitable for liquid transfer in

- > Small industrial water supply systems
- > Pressure boosting systems
- > Domestic Water supply Systems
- > Cooling Systems
- > Air-conditioning Systems
- > Horticultural irrigation systems

**Features**

- Compact Design
- Robust Design
- Low noise
- Full stainless steel design (SHN only)
- Boosters sets for domestic water supply
- Automatic start/stop when equipped with press control

**Specifications:**

Power range (kW) : 0.4 kW - 1.9 kW  
 Head Range : 18 Mtrs - 50 Mtrs  
 Flow Range : 0.8 M<sup>3</sup>/h - 14 M<sup>3</sup>/h  
 Type of Duty : S1 (Continuous)  
 Degree of protection : IP  
 Liquid temp : 0°C to + 90°C  
 Operating Pressure. : Max. 10 bar

Model No.	SH 2	SH 4	SH 8	SH 12
Flow (M <sup>3</sup> /h)	2	5	7	10
Maximum head (M)	45	33	41	48



# Export to more than 60 countries



Shakti Pumps (India) Ltd.

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