



**WATER TECHNOLOGY  
SOLUTIONS**

**World-class Pumping  
System Solutions**

**WE MOVE**

**WATER**



**Franklin Electric**





## World-class pumping system solutions

Franklin Electric is the leading manufacturer of world-class pumping system solutions providing the highest quality, availability, service, innovation and value-for-money in the industry. Backed by unsurpassed expertise throughout Africa, these leading brands are ideal for various pumping applications.

**AquaDUTY**

**FPS**

**PHOTON**

**MONO**

**ORBIT**  
PUMPS

**ROTORFLO**

**SubDriveSolar**  
SOLAR PUMPING SYSTEM

**SVM**

**TSUNAMI**



**Franklin Electric**

### Franklin Electric submersible motors

Franklin Electric's 100mm, 150mm & 200mm encapsulated motors are manufactured to ISO 9001 standards, and are the quality drive for submersible pumps, offering a maintenance-free long-life submersible motor operation.

#### Features:

- Water lubricated thrust
- Radial bearings
- Sand Fighter seal system (150mm and 200mm) for sandy applications
- High efficiency electrical design.

#### Applications:

- Boreholes for
- Residential
  - Commercial
  - Agricultural
  - Mining
  - Marine
  - Municipal
  - Industrial
  - River water extraction
  - DWAF.



**SVM**

### Submersible borehole pumps

Franklin Electric's SVM submersible borehole pumps are high quality, efficient and readily available at a competitive price. The use of different material for the internal components eliminates the possibility of the pump seizing, ensuring the long-term operation of the pump.

#### Performance:

- Flow rates from 30-400ℓ/min
- Heads up to 290m.

#### Features:

- Stainless steel motor adaptor and discharge head
- Polycarbonate impellers, stainless steel bowls and Noryl diffusers
- Built-in check valve to protect the pump against water hammer
- Impeller design incorporates built-in up-thrust protection.

#### Applications:

- Boreholes for
- Residential
  - Commercial
  - Agricultural
  - Mining
  - Marine
  - Municipal
  - Industrial
  - River water extraction
  - DWAF.



**FPS**  
SS series

### Submersible borehole pumps

Designed for industrial and agricultural applications, the SS Series submersible pump utilizes high grade stainless steel materials for the most demanding applications.

#### Performance:

- Flow rates up to 300m<sup>3</sup>/h
- Heads up to 400m.

#### Features:

- Stainless steel impellers
- Suitable to operate in horizontal position
- Built-in check valve to protect pump against water hammer
- Energy efficient hydraulic design for cost effective operation
- Maximum allowable solid quantity = 50g/m<sup>3</sup>
- Solid dimensions: maximum 2m diameter
- Durable cast motor.

#### Applications:

- Larger boreholes and higher volumes
- Agriculture
- Industrial
- Water authorities
- Town councils
- Community water
- Industrial projects
- Mining





**AquaDUTY**

## Pumping System Kits

Everything in kit form that you need for your pumping systems, backed by Franklin Electric's seal of approval. Kits contain pump, motor, control box and ancillaries, depending on the kit type.

Kits include:

- Borehole kits
- Solar pumping system kits <800Wp
- Solar pool pump kits

### Performance:

- Borehole pump kits - heads up to 100m
- Solar borehole pump kits - heads up to 120m and flow rates up to 35 000 litres/day
- Solar pool pump kits - 0.25kW to 0.75kW with pressures up to 1.2 bar and flow rates up to 70 000 litres/day

### Features:

- The perfect Do-it-Yourself solution - just make use of the necessary qualified assistance if required

### Applications:

- Domestic and farm boreholes
- Solar powered boreholes - replace windmills etc.
- Solar pool pumps up to 0.75kW



**SVM**

## SVM pressure sets

SVM pressure sets work in conjunction with high efficiency stainless steel pumps, incorporating EPDM food grader bladders best suited for the transportation of pressurised drinking water.

### Features:

- Self-priming, high efficiency pumps with jet hydraulic systems and thermal overload protection
- Made from high quality stainless steel
- Pressure tank is fitted with EPDM food graded membrane
- Noryl PRO pump impeller

### Applications:

- Automatic distribution of pressurised water for domestic purposes:
- Increase pressure of mains supply
- Garden watering – automatic irrigation
- Pressure distribution of water from wells and storage tanks
- Washing systems



**MONO**

## Mono hand pumps

Suitable for use on shallow boreholes, Mono hand pumps have served rural Africa since the 1960s.

### Performance:

- Flow rates up to 12ℓ/min
- Depths up to 120m.

### Features:

- Efficient, robust design
- Geared action makes it easy for even the young and infirm to draw water.

### Applications:

- Stock watering
- Rural drinking water supply
- Filling of overhead tanks
- Water abstraction where no alternative power source is available.



**TSUNAMI**

## Tsunami axial flow pumps

Franklin Electric's Tsunami axial flow pumps are engineered and designed to move large volumes of water at relatively low heads.

### Performance:

- Flow rates up to 2 600ℓ/s
- Heads range from 1 to 100m.

### Features:

- Low cost installation with minimal civil requirements
- Permanently submerged turbine
- Motor can be positioned well above the flood level
- No valves or return valves required
- Self-flushing
- High efficiencies
- Low load starting conditions
- Varying head conditions result in small variations in flow
- Range of materials of construction to suit various conditions
- Heavy duty thrust assembly coupled with a Hardy Spicer shaft or direct coupling
- Stainless steel shafts, impellers and impeller rings as standard materials of construction
- Simple and reliable.

### Applications:

- Transfer of large volumes of water at relatively low levels
- Aqua-culture and other marine industries
- Effluent recycling within sewage works
- Features in water parks
- Backwash water from filters
- Water harvesting from rivers and dams
- Product transfer in process plants
- Flood irrigation.





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## Contact details

A Water Technology Solutions, Lda é uma empresa moçambicana que oferece serviços de qualidade nos sectores de pesquisa geofísica, perfuração de furos de água, tratamento de água, instalação de bombas, sistemas de irrigação, equipamentos de energia solar, depósitos elevados e sistemas de esgotos.

O principal foco da empresa é o fornecimento de produtos e serviços relacionados com o abastecimento de água, de drenagem, transporte de água e comércio em geral e fornece serviços a clientes e fornecedores nas áreas de infraestruturas, construção civil, agricultura e indústria

*Por favor, não hesite em contactar-nos, conforme a sua conveniência, para o esclarecimento de quaisquer dúvidas que possa ter. Será, para nós, uma grande honra conceder-nos a oportunidade de servir as suas necessidades imediatas ou futuras.*



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