



N.J. POWER & CO.
Water Pumps | Fountain Technology

PRODUCT BROCHURE

— PRODUCT RANGE

Submersible Borehole

Stainless-steel 4" pumps and matched motors for wells, farms and irrigation, supplied together and ready to install.



STAIRS ST PUMP



THE RANGE AT A GLANCE

Pump, motor, control box

Every borehole set has three parts: a 4" pump, a matched 4" motor and a control box. We supply them together, ready to install.



01 · PUMP
4" ST pump



02 · MOTOR
4" motor



03 · CONTROLS
Control box



OPTIONAL
Pressure system

Three pump series

ST-05

Best for deep wells with a low yield.

Max. head	173 m
Max. flow	25 l/min
Motor	0.5–1 HP

ST-10

Best for household supply and farms.

Max. head	139 m
Max. flow	50 l/min
Motor	0.75–1.5 HP

ST-13

Best for higher flow and irrigation.

Max. head	106 m
Max. flow	70 l/min
Motor	0.5–1.5 HP

2, 3 and 5.5 HP units available on request.

Tell us the well depth and what it's supplying

We'll match the pump, motor and control box.

+353 1 456 4099



STAIRS ST SERIES

Submersible pumps

Stainless-steel 4" pumps for household water, farms and irrigation. Each one is matched to a 4" motor and supplied as a set.

Key features

- **Stainless steel.** 304 stainless bowls and discharge head, built to last.
- **Non-return valve.** Built in, so the rising main stays full.
- **Secure coupling.** Machined stainless NEMA adaptor and 304 shaft coupling lock the pump to its motor.
- **Wide range.** Eight main models, from 34 m to 173 m head.
- **1¼" outlet.** Standard threaded discharge on every model.

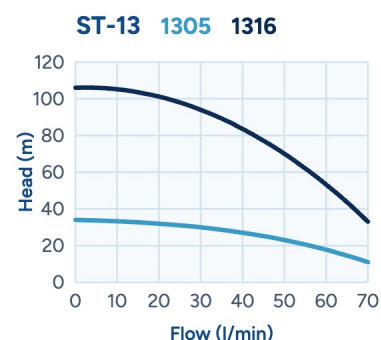
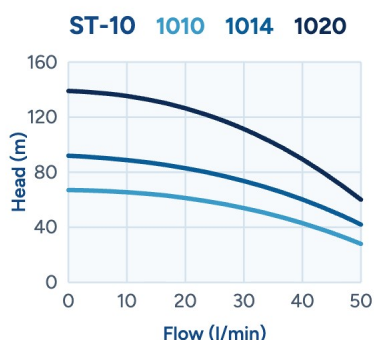
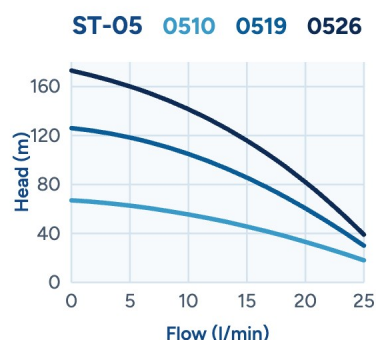


Models

Model	Motor kW / HP	Outlet	Max. flow	Max. head
ST-0510	0.37 / 0.5	1¼"	25 l/min	67 m
ST-0519	0.55 / 0.75	1¼"	25 l/min	126 m
ST-0526	0.75 / 1.0	1¼"	25 l/min	173 m
ST-1010	0.55 / 0.75	1¼"	50 l/min	67 m
ST-1014	0.75 / 1.0	1¼"	50 l/min	92 m
ST-1020	1.1 / 1.5	1¼"	50 l/min	139 m
ST-1305	0.37 / 0.5	1¼"	70 l/min	34 m
ST-1316	1.1 / 1.5	1¼"	70 l/min	106 m

2, 3 and 5.5 HP units available on request.

Performance curves · 50 Hz



4" MOTORS

Submersible motors

Built to run dependably in 4" boreholes and larger. Single-phase 230V as standard, with three-phase options.

Key features

- **Strong starting torque.** Stator designed for single-phase starts.
- **Stainless steel.** 304 stainless shell, shaft, top cover and base.
- **Copes with weak supplies.** Runs across wider voltage swings.
- **Easy to service.** Removable waterproof cable connector.
- **100% tested.** Every motor is tested at the factory.



Motor sizes

Motor kW	HP	Length	Pairs with
0.37 kW	0.5	346 mm	ST-0510 · ST-1305
0.55 kW	0.75	365 mm	ST-0519 · ST-1010
0.75 kW	1.0	380 mm	ST-0526 · ST-1014
1.1 kW	1.5	405 mm	ST-1020 · ST-1316
1.5 kW	2.0	440 mm	<i>On request</i>
2.2 kW	3.0	495 mm	<i>On request</i>
4.0 kW	5.5	683 mm	<i>On request</i>

Single-phase 230V as standard. 230V three-phase (for inverter use) and 400V three-phase available.

Materials

Motor shell	304 stainless steel
Shaft	304 stainless steel
Mechanical seal	Carbon / ceramic
Cable connector	EPDM
Winding	Copper

Installation & operation

Control box required. Single-phase motors run through a matched control box, sold separately.

Max. depth
200 m

Max. starts per hour
40

Max. water temp.
+35 °C

Insulation resistance
Above 1000 MΩ



CONTROLS & ACCESSORIES

Complete the system

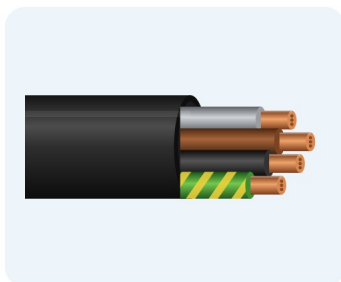
Everything above and around the pump, from one supplier. Tell us the job and we'll put the full set together.



CONTROLS

Control box

Every single-phase motor runs through a control box matched to its size. Run capacitor, overload protection and on/off switch in one unit. Larger motors add a start capacitor and relay.



CABLE

Submersible cable

Four-core cable, cut to the length of your borehole and sized to the motor and the run.

4 × 1.5 mm²**4 × 2.5 mm²****4 × 4 mm²**

OPTIONAL

Pressure system

Steady pressure at the tap, and fewer pump starts. Pressure vessel, pressure switch, gauge, brass 5-way connector and 1" lever valve, supplied together.

60L as standard · other sizes available

Need the full set?

Pump, motor, control box, cable and pressure system, matched to your job.

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N.J. POWER & CO.
Water Pumps | Fountain Technology

WHY N.J. POWER

Quality products. Expert advice.

Since 1989

Over 35 years in pumps. More than 100 products from 10+ brands.

Authorised distributor

Genuine products, backed by the manufacturer.

Technical support

Talk to people who know pumps. We'll match the right one to the job.

2-year warranty

Two years' cover, as standard.

Nationwide delivery

To site or door, anywhere in Ireland.

Trade counter

Call in to us at Ballymount, Dublin 12.

Get in touch

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Opening hours

Monday – Thursday **8:30 – 17:00**

Friday **8:30 – 16:30**

Lunch (closed) **13:00 – 14:00**

Saturday & Sunday **Closed**



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