SUBMERSIBLE MULTISTAGE BOREHOLE ELECTRIC PUMPS FOR DEEP WELLS from 3 to 14-inch wells, to NEMA standard and complete with electric motors.

The most complete range of submersible borehole electric pumps to meet all your borehole pumping applications. Suitable to replace standard surface pumps, carrying the advantages of lesser space needed, less maintenance and complete absence of noise.

**Applications**

Suitable to replace standard surface pumps, carrying the advantages of lesser space needed, less maintenance and complete absence of noise. For domestic drinking potable water, residential, commercial, industrial, agricultural, geothermal, civil applications, to pump and explore geothermal resources for fluids in spas, industry, agriculture and private, community and district heating and in all cases where it is requested to lift water out from below the ground from aquifers and to push it above with pressure: boreholes, bored wells, riverbanks, in-line pressure boosting, dewatering, sprinkler and drip irrigation systems, horticulture, greenhouses and gardening, air conditioning, water supply to offshore oil platforms, pressure boosting pumping / increasing water pressure, fire fighting, hydrant systems, deluge systems, fountains and water features, large rural irrigation schemes, turf watering installations, gardens, air conditioning, water supply to offshore oil platforms, pressure boosting / increasing water pressure, fire fighting, hydrant systems, deluge systems, fountains and water features, large rural irrigation schemes, turf watering installations, gardens, air conditioning, water supply to offshore oil platforms, pressure boosting / increasing water pressure, fire fighting, hydrant systems, deluge systems, fountains and water features.

**Pump and Motor construction**

From 3 to 14 inch sizes to Nema standard and complete with 2-pole and 4-pole electric motors, rewindable, 2-wire, 3-wire with control box, oil cooled (prefilled with food grade additives to protect against freeze and rust) and wet type water-cooled executions. Protection IP68.

Pump ends made of stainless steel, bronze, brass and cast iron.

Impellers in stainless steel, cast iron, brass, bronze, noryl®, polycarbonate and technopolymers and thermoplastics, corrosion and abrasion resistant and non-toxic, radial and mixed-flow, brass multivane turbine. Heavy duty stainless steel or cast iron or bronze casting pump enclosure.

**Easy to install and dismantle for service.**

**Innovations and Specialties**

On demand all wetted parts available with grade 304 or 316 stainless steel or bronze. Executions for superior sand handling able to handle a tolerable quantity of sand. On demand executions with protector against stray currents. Also available Line-shaft turbine units. DC motors versions available.

**Intelligent Control systems:** Electric, Electronic Controls Panels also with Variable Speed Inverters. All pumps can be supplied with protection and control boxes (panel-starters).

**Ranges of Performance:**
- **Capacity (flow rate) up to 1300 m³/h**
- **Head up to 800 m**
- **Powers: 0.37 ÷ 400 kW**

**VOLTAGES**

| Single Phase 3", 4", 5" | 230V |
| Three Phase 3", 4", 5" | 400V DOL (230V DOL on request) |
| Three Phase 6" | 400V DOL (230V DOL on request) |
| Three Phase 8" | 400V DOL (single phase executions on request) |
| Three Phase 10" | 400V DOL |

**Electrical Cycles**

- 50 Hz Standard
- 60 Hz available all throughout the range.

**Energy Saving and Efficiency**

We optimize efficiencies for lower power consumption to suit your specific pumping requirements.

◆ **Vera® - Submersible Multistage Borehole for deep wells**

We provide full Technical Service, Spare Parts, Assistance and Aftersale Service and Maintenance through our Valco Distributors’ Network and our Valco Service Centres.

**VALCO® International trademark.**

Useful and valuable products for progress, prosperity and peace®

**Head Office, Works, Pump & Motor Test Laboratory Pumps and Electric Motors Research Centre.**

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Made in Italy

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