

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.

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.

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 and stock watering plants, washing and hobby uses, jet washing, station washing, dairy washdown, vegetable washing, dewatering of mines and excavations, level control (wellpoint) of groundwater waterbeds, sump drainage, artificial snow, solar power, monitor system, in-ground tank installation, underground water storage tanks installation, rainwater collection, etc.

Pumping of clean water in domestic applications from boreholes and wells, agricultural, industry, processing of drinking water distribution, water supply, firefighting, boosters, fountains, municipal water supply, mains and municipal boosting, sump drainage, dam drainage, mine water supply, river water extraction.

Private, residential, commercial, industrial buildings, hospitals, airports, schools, nurseries, farms, etc.

Water Well Drilling and Perforations.

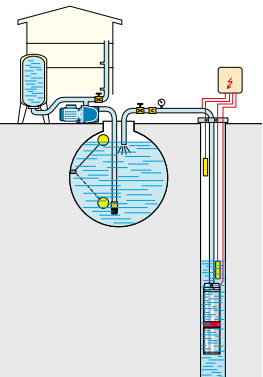
Techniques for Searching Underground Waters.

We co-operate with Drillers and Well Operators for Well Examination.

Built-in check valve to protect the pump against water hammer.

Floating Version (F) Sand Resistant: reduces sand locking.

Energy efficient hydraulic design for cost-effective operation.



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).

Delivery outlets from 1 to 8".

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)

400-690 SD on request

(single phase executions on request)

Three Phase 8": 400V DOL

400-690 SD on request

Three Phase 10": 400V DOL

400-690 SD on request

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.

VALCO srl - Via dell'Industria, 27-29, I-36063 MAROSTICA (Vicenza) - Veneto, (Venice Region) - EU - Italy

Ph.: +39-0424-77847

Fax: +39-0424-475806

E-mail: valco@valco-costenaro.com

www.valco.eu