

### DRAINAGE AND WASTEWATER SEWAGE NO-CLOG SUBMERSIBLE ELECTRIC PUMPS



#### Pump construction

Cast iron, Stainless steel, Bronze, no-clog, Portable, synthetic corrosion and abrasion-free material (thermoplastics), Automatic with float switch.  
 Impellers: Open, vortex, single-channel, double-channel and three-channel and grinder cutter plate made of cast iron, stainless steel, aluminium, abrasion-resistant nitrilic rubber and technopolymers. Pump bodies made in cast iron, stainless steel, aluminium and technopolymers.

#### Applications

Suitable for domestic, residential, industrial, agricultural and civil drainage and wastewater sewage uses: dewatering; sump drainage, effluent and sewage; ponds, construction, mines, reclamation, swimming pools, basements and flooded areas, stormwaters, irrigation, stock breeding, food beverage, for waste, sewage and washwater for single and several households and public buildings, for building sites also partially dry, for continuous and heavy duties for most types of fluids also with bodies in suspension in water treatment plants, brackish waters, dirty waters, sludge, industrial processes, etc.

#### Innovations and Specialties

Executions **Flame-proof ATEX** Directive 94/9/EC for equipment intended for use in potentially explosive atmospheres Exd-IIB-T3-II-2-G.

**Low Voltage** versions 42V AC following rules CENELEC HD 400.1 for use in installations with safety rules against electrocution.

**Intelligent Control Systems:** Electric, Electronic Controls Panels also with Variable Speed Inverters, Sensors, Alarm Transmitters and Remote Monitoring.

Executions for construction sites able to withstand limited dry running.

We also supply **Sewage Pumping Lifting Stations** for lifting household waster water.

**Coupling Devices:** Foot Pedestals and **Adapters** (outlet bends couplings, inlet bends intake suction curve), Gate Valves and Flange Ball Retaining Valves (Check Non return totally free passage with cover easily removable for plant inspection).

#### Ranges of Performance:

Capacity (flow rate) up to 850 m<sup>3</sup>/h

Head up to 39 m

Powers: 0.37 ÷ 33 kW

Nominal Delivery Diametres up to DN200

Solids in suspension (free passage) max diametre 108 mm. Non-Clog.

#### VOLTAGES

Single Phase: 230 V

Three Phase: 400 V DOL

230/400 V 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.

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

- **Dernajo™** - Drainage Submersible
- **Liqua™** - Sewage Submersible

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