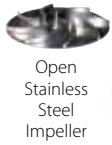


# DRAINAGE AND WASTEWATER SEWAGE

Drainage Submersible Portable Pumps made in Synthetic corrosion and abrasion-free material

max m<sup>3</sup>/h: 42  
max Hm: 20



Dirty Waters Submersible Portable Pumps made in Synthetic corrosion and abrasion-free material

max m<sup>3</sup>/h: 42  
max Hm: 20



Dirty Waters Submersible Portable Pumps made in Stainless steel

max m<sup>3</sup>/h: 42  
max Hm: 20



Drainage and Sewage Vortex Impeller Submersible Pumps made in cast iron, no-clogging



max m<sup>3</sup>/h: 36  
max Hm: 15



max m<sup>3</sup>/h: 36  
max Hm: 15



max m<sup>3</sup>/h: 36  
max Hm: 15

Drainage Submersible Portable Pumps made in Stainless steel

max m<sup>3</sup>/h: 24  
max Hm: 16,5



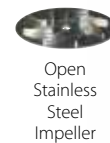
Drainage Submersible Heavy Duty Pumps with open impeller made in Special corrosion-resistant Aluminium Alloy

max m<sup>3</sup>/h: 66  
max Hm: 18



Drainage Submersible Portable Pumps Single and Multistage made in Synthetic corrosion and abrasion-free for Ponds and Fountains

max m<sup>3</sup>/h: 15  
max Hm: 42



## 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 Eexd-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 wastewater.

**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).

## 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.**

## 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.

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

# NO-CLOG SUBMERSIBLE ELECTRIC PUMPS

Sewage Wastewater Submersible Pumps Single, Double and three-channel Impellers heavy duty cast iron, bronze and stainless steel castings, non-clogging

max m<sup>3</sup>/h: 850  
max Hm: 32



Single channel cast iron Impeller

DN 150



max m<sup>3</sup>/h: 850  
max Hm: 32



Double channel cast iron Impeller

DN 80



STAINLESS STEEL



BRONZE



max m<sup>3</sup>/h: 850  
max Hm: 32



Three channel cast iron Impeller

DN 200



Sewage Wastewater Submersible Pumps, Vortex Impellers heavy duty cast iron, bronze and stainless steel castings, non-clogging

max m<sup>3</sup>/h: 180  
max Hm: 40



Vortex Cast iron Impeller

DN 100



max m<sup>3</sup>/h: 180  
max Hm: 40



Vortex Cast iron Impeller

DN 50



max m<sup>3</sup>/h: 180  
max Hm: 40



Vortex Cast iron Impeller

DN 65



max m<sup>3</sup>/h: 180  
max Hm: 40



DN 65

Drainage Submersible heavy duty Dewatering Pumps, open nitrile coated bronze impeller for effluents with some abrasive substances

max m<sup>3</sup>/h: 66  
max Hm: 18



Open bronze Impeller with special antiabrasive nitrile-rubber protection



Cutter Sewage Wastewater Submersible Pumps with open cutting impeller with diffuser and blade device for liquids containing fibres

max m<sup>3</sup>/h: 24  
max Hm: 38



Cast iron Diffuser



Stainless steel AISI 440 C Blade four-knives intake cutting system



Open Cast iron Impeller



Heavy Duty Drainage Submersible Contractors' Pumps, open cast iron impeller, stainless steel housing and 316 stainless steel motor cooling jacket for muddy and sandy waters, cooled by the liquid pumped, suitable to operate in hard conditions also not fully submerged. Delivery outlet up to 6".

max m<sup>3</sup>/h: 288  
max Hm: 60



Open 650 HB Chrome cast iron Impeller



Pumping Lifting Stations, Coupling Devices and Ball Check Valves

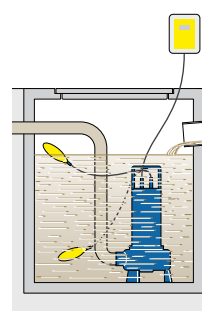


Sewage Pumping Lifting Stations for lifting wastewater



Protections and control panels (starters) supplied on request

Installation scheme



Coupling Devices - Foot Pedestals for Sewage Submersible Pumps also interchangeable to replace major brands



Ball check valves, no clogging for wastewater up to DN600 (24")

CBV