

SURFACE CENTRIFUGAL ELECTRIC PUMPS



Pump construction

Horizontal and vertical, close-coupled, single and multistage, end suction, split case, in cast iron, stainless steel, brass, bronze and thermoplastics.

Applications

Drinking potable water supply, domestic, civil, community and district water boosters, irrigation, heating, air conditioning, firefighting, sprinklers, food processing, industry, chemical, water treatment, sea water pumping.

Innovations and Specialties

- with **Variable Speed Control** with Inverters, (frequency control with modulation), for control and protection of the system, for low power consumption and energy saving according to EU energy saving rating recommendations Energy Standards Classes (to meet Kyoto Protocol recommendations), and for durability.
- built with materials following EU Directive 98/83/CE referring to waters for human consumption.
- with **Flame-proof ATEX** following Directive 94/9/EC for equipment intended for use in potentially explosive atmosphere res Eexd-IIB-T3-II-2-G and Low voltage versions for use in installations with safety rules against electrocution.
- with pump assembly and motor made to customers' requirements.

Range of Performance:

- Capacity (flow rate) up to 240 m³/h
- Head up to 260 m
- Powers: 0,37 ÷ 75 kW

VOLTAGES

Single Phase: 230 V (on demand dual voltages and other standard and special voltages)

Three Phase: 3 kW and below 230/400 V
4 kW and above 400/690 V
Other voltages available on request.

Cycles

50 Hz Standard
60 Hz available all throughout the range.

EFFICIENCY LEVELS FOR THREE PHASE MOTORS to IEC 60034-30 when applicable or required:

- IE1 = Standard Efficiency
 - IE2 = High Efficiency (comparable to USA EPACT 60 Hz)
 - IE3 = Premium Efficiency (comparable to USA "NEMA Premium 60 Hz)
- Ecodesign EUP Directive 200532/EC and Commision Regulation EC 640/2009.

PUMP RANGES

- **Conva™** - Deep Well Jet Self Priming suitable for wells with low capacity.
- **Jetdom™** - Shallow Well Jet Self Priming.
- **Irrigua™** - Centrifugal Single and Two-Stage and to DIN-EN 733-DIN 24255 flanged DIN2533 (of back pull-out design for quick and simple dismantling and reassembling for ease of Maintenance), also Bareshaft versions and Split Case.
- **Casalinga™** - Peripheral Turbine with multivane impeller generating high lifts with a small power consumption.
- **Casaself™** - Self Priming Turbine Peripheral Electric Pumps.
- **Nordica™ & Buta™** - Multistage horizontal and vertical all stainless steel, high heads, silent operation.
- **Valco-Lem™** - Self priming contractors' trash pumps in cast iron, bronze and stainless steel castings.
- **TLC™, UTC™** and **LSC™** - Circulating Pumps also with Variable Speed Control compliant with EuP directive and meeting the provisions of Regulation No 641/2009 of European Commission requiring a drastic reduction of energy consumption of circulators as from January 1st, 2013. Savings up to 80% less than traditional circulating pumps.

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



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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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