

# SURFACE CENTRIFUGAL ELECTRIC PUMPS

**Conva™** • Deep well packer



Single Pipe 2" and Twin Pipe 4" Deep Well Ejector Assembly

**Jetdom™** • Shallow well jet self priming



STAINLESS STEEL



Stainless Steel



**Nordica™** • Multistage vertical

**Irrigua™-1** • Centrifugal single stage



**Irrigua™-1D** • Centrifugal single stage DIN-EN standard cast iron and stainless steel



Stainless Steel Version



Cast Iron also bronze impeller



Bareshaft DIN-EN Standard Version



STAINLESS STEEL

In-Line Stainless Steel 304 or 316 Construction

**Casalinga™** • Turbine peripheral booster



side suction

end suction

BRONZE

Bronze Casting end suction

**Irrigua™-2** • Centrifugal two-stage for high heads



**Irrigua™-3** • Centrifugal single stage for high capacities and low pressure irrigation



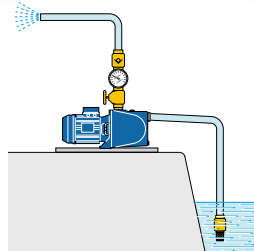
**Buta™** • Multistage horizontal



STAINLESS STEEL

Stainless Steel 304 or 316 Construction

Installation



**Valco-Lem™** • Self priming contractors trash



3" Flanged

**TLC™-UTC™-LSC™** • Circulating pumps



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.

## 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 atmospheres Exd-IB-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 m<sup>3</sup>/h
- Head up to 260 m
- Powers: 0,37 ÷ 75 kW

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

IE1 = Standard Efficiency

IE2 = High Efficiency (comparable to USA EPACT 60Hz)

IE3 = Premium Efficiency (comparable to USA "NEMA Premium 60Hz)

Ecodesign EUP Directive 200532/EC and Commission 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.