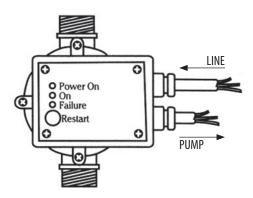
UNIT STARTING AND WORKING



On the cover back and inside the terminal board, a drawing shows how to make conections correctly. The cable used should have 6 mm min, and 9 mm max, outside diameter. In order to guarantee the water tight enclosure of the box, the four screws on its box must be tightly screwed.

STARTING

When the unit is connected to the electrical network, the green led "Power On" lights up and the yellow led "On" (pump in operation) indicates that the pump has been started.

The pump continues to operate for a few seconds enabling the system to fill in the pipes and to reach the required pressure.

If this lapse is insufficient, the red led "Failure" lights up. In this event, keep the "Restart" button pressed and wait, with a tap opened, until the red light is off.

Once the button is released and the tap is closed, the unit stops the pump at its maximum pressure.

FUNCTIONING

The starting operation archived, the unit is programmed to perform all the pump control operations automatically.

When particular operational breakdowns occur, such as water failure, obstruction of the suction pipe etc., the unit recognizes the breakdown and the red led "Failure" lights up: at the same time, a stop signal is sent to the pump to prevent damages caused by its working in the absence of water. Rectification of the failures that have caused the blockage, allows the system to be restarted by pressing the "Restart" button.

SPECIFICATIONS

Intensity Max 15A Connection 1" male CE approval	Rating to Input voltage Frequency Intensity Max	3.0kw 220-250V 50-60Hz 15A	
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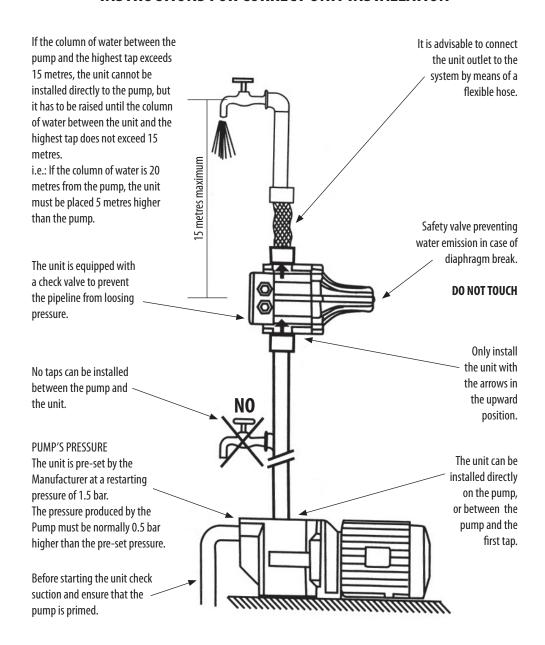


Automatic Pump Control

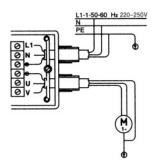
ELECTRONIC REGULATOR FOR ELECTRIC PUMPS

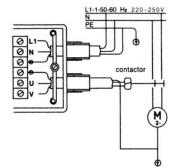


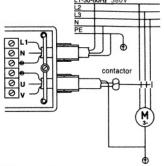
INSTRUCTIONS FOR CORRECT UNIT INSTALLATION



WIRING DIAGRAMS FOR CONNECTING THE UNIT TO DIFFERENT PUMP MOTORS







Wiring diagram for connection to a single phase 220V pumps up to 3.0kW.

Wiring diagram for connection to a single phase 220V pumps over 1.1kW through remote control switch.

through remote control switch.

SPECIFICATIONS FOR REMOTE
CONTROL SWITCH

Wiring diagram for connection of three phase 380V motor pumps through remote control switch.

SPECIFICATIONS FOR REMOTE CONTROL SWITCH Minimum contacts capacity of 4kW or 5.5HP approx 220V.

POSSIBLE WORKING DEFECTS

Minimum contacts capacity of 4kW

or 5.5HP approx 220V.

TYPE OF DEFECT	CAUSES DEPENDING ON THE UNIT	CAUSES NOT DEPENDING ON THE UNIT
The pump does not start	The electronic card is broken	Voltage failure Pump jammed Electric cables inverted (Line/motor)
The pump does not stop	The electronic card is broken The flow detector is blocked in the upper position The reset button is blocked The pump does not provide sufficient pressure	Presence of leaks which are higher than the minimum flow 0.6 i/min
Intermittent pump working	The electronic card is broken The pump does not provide sufficient pressure	Presence of leaks which are lower than the minimum flow 0.6 i/min
The pump is jammed	The electronic card is broken The pump provides a pressure which is lower than the restarting pressure	Water failure Suction problems