

# INSTRUCTIONS FOR CORRECT UNIT INSTALLATION

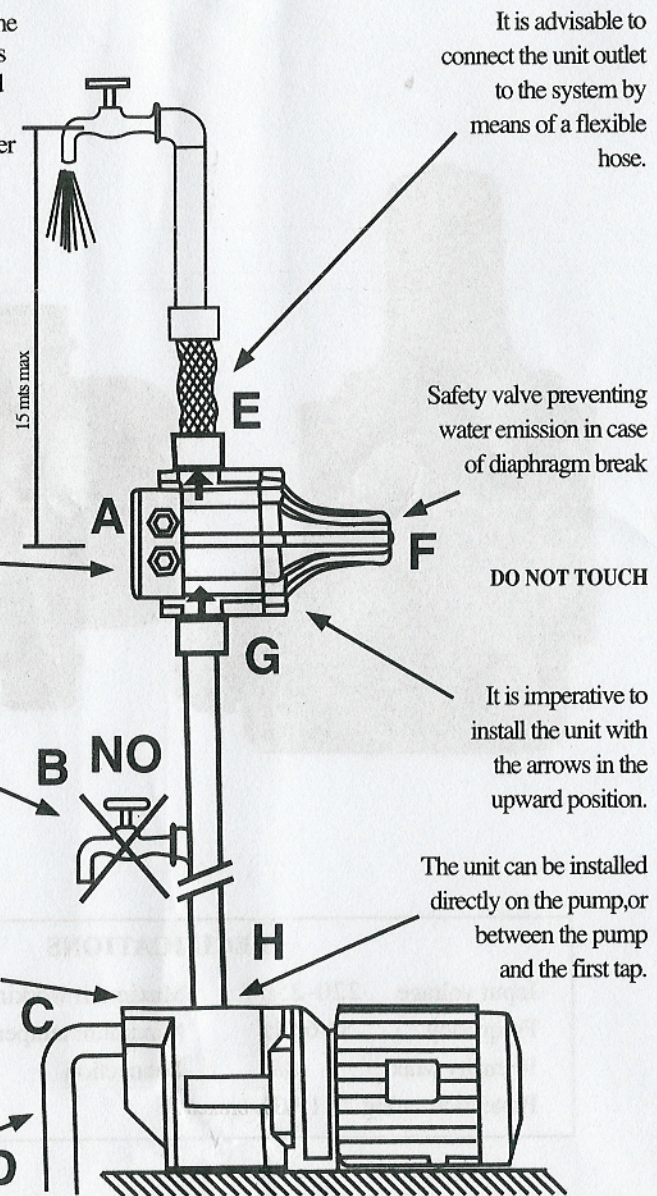
If the column of water between the pump and the highest tap exceeds 15mts,the unit cannot be installed directly on the pump,but it has to be raised until the column of water between the unit and the highest tap does not exceed 15 mts.  
I.E:If column of water is 20 mts. from the pump,the unit must be placed 5 mts highest than the pump.

The unit is equipped with a check valve to prevent the pipeline from losing pressure.

No taps can be installed between the pump and the unit.

**PUMP'S PREWURE**  
The unit is pre-set by the Manufacturer at a restarting Pressure of 1.5 bar.  
The pressure produced by the Pump must be normally 0.5 bar higher than the pre-set pressure.

Before starting the unit check suction and ensure that the pump is primed.



It is advisable to connect the unit outlet to the system by means of a flexible hose.

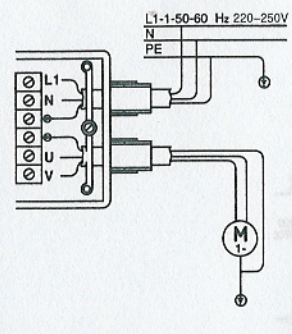
Safety valve preventing water emission in case of diaphragm break

DO NOT TOUCH

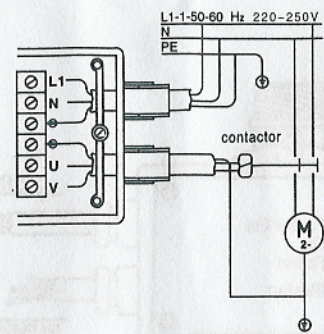
It is imperative to install the unit with the arrows in the upward position.

The unit can be installed directly on the pump,or between the pump and the first tap.

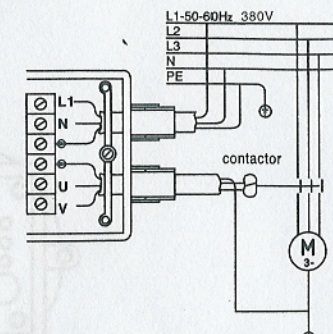
# WIRING DIAGRAMS FOR CONNECTING THE UNIT TO DIFFERENT KINDE OF PUMP'S MOTORS



Wiring diagram for connection of single-phase 220V pumps up to 1.1 Kw.



Wiring diagram for connection of single phase 220V pumps over 1.1 Kw.through 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 4 Kw or 5.5 HP approx. 220V

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## POSSIBLE WORKING DEFECTS

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 l/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 l/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