

**ELECTRIC CONTROL PANEL TYPE VANGUARD/T BUILT MICROPROCESSOR,  
WITH AMPEROMETRIC PROTECTION, TO CONTROL A BORE HOLE THRIAPHASE  
ELECTRIC PUMP**

**NEW**

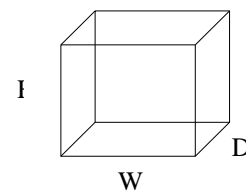
The electric control panel type VANGUARD-T microprocessor is constructed in order to command and protect in an intelligent way triphase submerged electric pumps, with the possibility to visualise on the display, all the parameters of the pump. The functions of the electrical control panel are:

The filling of a tank under pressure by means of an electric pump from a pressure switch, or the filling of a bathtub not under pressure by means of an electric pump commanded by a float. The interruption of the operating of the pump due to lack of water( **PROTECTION AGAINST THE DRY RUNNING OF THE BORE HOLE PUMP**) occurs when the  $\cos\phi$  is inferior to the set up value, therefore the electrical control panel does not require probes to be used should this happen.

**THE ELECTRIC CONTROL PANEL COMPRISES:**

- ✓ Box in plastic material
- ✓ Card mother in glass-reinforced plastic
- ✓ Line switch
- ✓ Motor fuse block
- ✓ Circuit to control sequence or missing phases
- ✓ Fuse block with fuses for auxiliary
- ✓ Autotransformer 0-230V/0-12V 50/60Hz.
- ✓ Amperometric transformer (ammeter)
- ✓ Voltmeter transformer
- ✓ Power relè for pump command
- ✓ Selector AUT-0-MAN
- ✓ Buzzer to sound any alarm
- ✓ Led line,white
- ✓ Led march pump, green
- ✓ Led generic alarms, red
- ✓ Liquids crystals display
- ✓ Push-buttons membrane to organize the data
- ✓ Frontal card of the electrical control panel, for data processing
- ✓ Terminal block
- ✓ Terminal block for the pump
- ✓ Cable glands

CODE 700120 till 700140



**USE CONDITIONS**

- ✓ Degree of protection : IP55
- ✓ Field of operation : -5°C + 40°C
- ✓ Relative humidity : 50% with temperature of 40°C

DIME OF IMPLANTATION H= 142.5 mm W= 97.5mm

CODE	CONTROL PANEL TYPE	MAX. POWER TO 230V. TRIPHASE		MAX. POWER TO 400V. TRIPHASE		MAX. CURRENT (ADJUSTABLE) A	DIMENSIONS IN mm			WEIGHT Kg
		KW	HP	KW	HP		H	W	D	
700120	VT 50÷400	1,5	2	3	4	25A	270	190	115	1,6
700130	VT 550÷750	3	4	5,5	7,5	25A	270	190	115	1,6
700140	VT 1000	4	5,5	7,5	10	25A	270	190	115	1,6