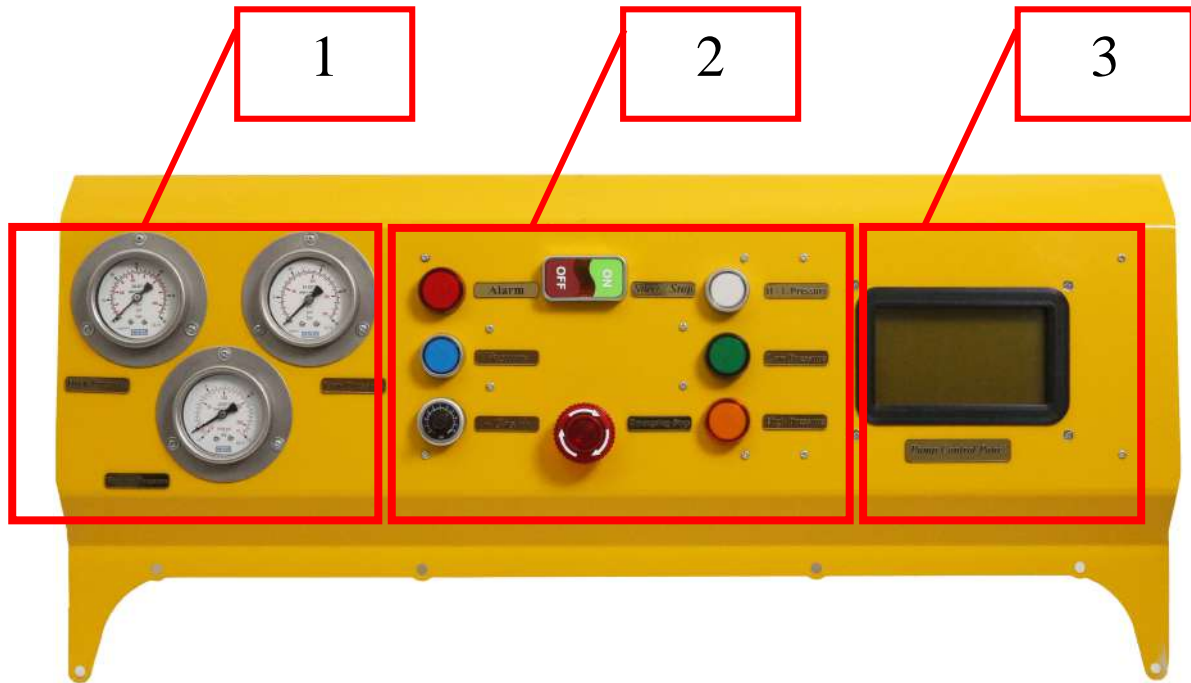


User Guide for Smart Control Panel that will install on 3000 It Pumps.



1) Manometers: In this section, there are 3 manometers to show the Pressure of the pump in 3 stages. The first one shows low pressure, the second shows High pressure and the third shows vacuum pressure.

The range of this manometers are as follow:

- Low pressure: 0~25 Bar
- High pressure: 0~60 Bar
- Vacuum pressure: -1~15 Bar

2) Electric switches: In this section, there are 4 switches, 3 lights and a volume.

All components are describing at below:

- **Start/Stop:** It will use to turn on the LCD and whole switches and use to turn them off.



- **Emergency Stop:** In Emergency conditions, By Pushing this switch, you can stop working immediately.



- **H / L Pressure:** By this switch you can activate the high pressure mode or low pressure mode.



- **Low Pressure:** This **Green** light shows that if the pump is in low pressure mode or not.



- **High Pressure:** This **Orange** light shows that if the pump is in high pressure mode or not.



- **Alarm:** This **Red** light will show the warnings in system and be lit in 3 conditions that are describing at below:
 - When foam tank level is less than 20%
 - When water tank level is less than 20%
 - When the rotational speed is more than 4000 rpm.



- **Vacuum:** By pushing this key, the vacuum mode of the pump will start and you can use it to vacuum water. If the pressure reaches 1 bar, it will automatically cut off the Prime.



- **- Gas +:** By this volume, you can increase and decrease R.P.M of the engine without using the gas pedal.

Note: For using this option, you must fill the questionnaire along with the product and send it to us.



- ❖ Electric connector: Whole wires to connect the panel with sensors and battery are here to use.

Note: For more details of wiring please check the wiring file for each panel(1500,2000 or 3000 lit/min panels.)



- ❖ Memory Card: It is used to save all parameters in it for doing better aftersales services. It is located backside of LCD shown as bellow.



2) **LCD**: In this section, you can monitor parameters as below:

1. The time that panel already has been turned on.
2. Number of pages that data are saving in memory.
3. Water tank level
4. Foam tank level
5. Warnings

WARNING	R.P.M out of SAFE RANGE
WARNING	Check F.T.L Sensor/Wire
WARNING	Check W.T.L Sensor/Wire
WARNING	Water Tank Near to Empty
WARNING	Foam Tank Near to Empty

6. Rotational speed of pump in R.P.M.
7. Producer Co. name.



Note: Whole switches, manometers and LCD has Label to help user to find his way on panel.