

High-Efficiency Energy-Saving Submersible Fuel Pump & Control System

Submersible pumps utilize turbocharging technology to pressurize the oil to levels higher than atmospheric pressure, leveraging this pressure difference to propel the oil through pipelines to the outlet. Due to its inherent characteristics, it is highly efficient, energy-saving, and contributes significantly to the economic viability of gas stations. Currently, it has been deployed in more than ten thousands gas stations worldwide.



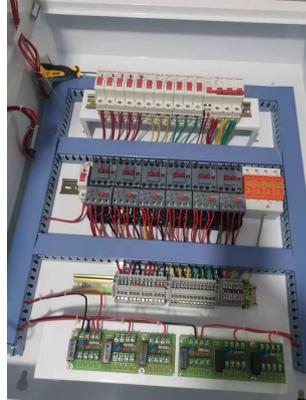
Technical specification:

Rating Pressure:0.1MPa
Max Flow Rate :228 to 380 L/min according to different power
Rotate Speed :2820rpm
Voltage :AC220V,50Hz or 60Hz, AC380V ,50Hz or 60Hz,for Option
Current :9A; Power: 0.75 Hp, 1.5Hp, 2 Hp for Option
Ex-proof Class:1P×6
Fixation Thread: BSPF/NPT4"
Inlet :BSPF/NPT1.5"; Outlet :BSPF/NPT2"
Adjustable Pressure:21KPa-207KPa
Factory Pressure Setting :79KPa-93KPa
Working Pressure Difference :>34KPa

Features:

- A. Best performance, long time service, lower noise;
- B. Easy to install and service. Quick, simple and safe electrical connections;
- C. Manifold allows for vertical or horizontal discharge;
- D. Save time, lower service costs;
- E. Built with check valve, by pass valve, vacuum valve;
- F. For diesel, gasoline, kerosene, etc.;
- G. Vapor-free, suction head longer than suction pump.

QYB-CB Series of Controlling Box for Submersible Pumps



Features:

- A. The controlling box can control 6 units of submersible pump;
- B. Overload protection is automatic protection: when the current of one submersible pump is large than 15A, the thermal relay will be in protection status; The malfunction indicator light will turn red ;
- C. Housing protection grade: IP20;
Power supply circuit of fuel dispenser should be provided with electric leakage protection;
- D. With surge protection function (lightning strike protection);
- E. Double door design can make non-professional people avoid from touching electrically charged parts.
- F. We can produce controlling boxes according to the specific requirements of the users, to control different quantities of submersible oil pumps.

QYB-FT Stainless Steel Filter for Submersible Pumps



This filter is made in stainless steel, and installed at the bottom of the submersible oil pump to filter solid particles and prevent air bubbles from entering the pump body. It utilizes a threaded bracket, which rotates to mount at the bottom of the oil pump end, and is compatible with most submersible oil pumps available on the market.

Installation Pictures:



Wire Cable for Red Jacket Type Submersible Pump



MLD1 Mechanical Leak Detector



Characteristic:

For Gasoline, Kerosene, Diesel;
The leak detector will control the output of oil in time, when the oil leakage in the pipeline is no less than 11.4L/min;
The leak detector will delay to open in 2-3 seconds, when the oil leakage is less than 11.4L/min;
MLD2 mechanical leak detector can keep maximum flow rate while several nozzles are working simultaneously.

QYB-240R Submersible Pump Head



Characteristic:

Including Pump Cap and Pump Seat.
Pump cap is the part of the pump head, including the wire connection chamber, wire connection pipe assy, capacitor chamber, exhaust thread plug, check valve, air components, exhaust and joint stress test, pipeline leak detection device (optional). The pump seat is the remaining part of the pump, including pipeline entrance, wire connecting inlet, oil outlet and tubing support line. Automatic exhaust gas eliminator, remove easily, maintain easily.

HB Equipment shall be used in compliance with applicable country, province and local laws and regulations. 120
Products selection shall be based on physical specifications and limitations and compatibility with the environment.

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 more safety, equipped with manual relief valve.

人孔井、复合管、潜油泵安装示意图

Installation Sketch Map Of Manhole Well, Compound Pipe And Submersible Pump

