

Hydrobox

Hydrobox by Power World makes heat pump installation and maintenance easier. The hydroblock is equipped with a circulation water pump, an expansion tank, valves, safety elements, an electric heater and other components. When installing a heat pump system, the installer can connect the heat pump directly to the hydrobox, which is very easy and convenient.



Component Integration Design

The Hydrobox integrates water pumps, valves, safety components, electric heater and other components. Compared with the traditional complex and cumbersome piping system layout, its installation area is small, about 0.4m^2 ; it saves installation time and costs; it can reduce human factors and environmental factor damage, and maintenance is simple.



- Easy Maintenance

Hinged door design, with a door lock, easy to open the hinged door for maintenance and inspection repairs.

- Electric Heater

Use pipeline electric heating, connect water and electricity to directly produce hot water. Cylindrical pipeline structure, 360° comprehensive heating, long service life, high temperature, high-pressure resistance, salt and alkali resistance, not easy to deform.

- Expansion Tank

Using the expansion tank of the well-known Italian brand AQUASYSTEM. The new airbag structure realizes the separation of water and tank, which not only reduces the pollution of water quality but also slows down the corrosion of the tank. It adopts a one-time pressing and forming flange structure, and there is no welding point between the flange and the connecting screw. Unlike many domestic expansion tanks, the screw is welded on the flange, which is not only poor in force but also easy to rust.

- 3-Way Valve

Using internationally renowned brand components. Compared with other 3-way valves, it takes up less space, is more reliable and durable, the working noise is low, and it can work stably in a high-temperature environment.

- Smart Home Control

The Hydrobox system can communicate with the heat pump unit for smart home control.

- Filter

Copper Y-strainer with drain valve. The screen area of the filter is larger than other ordinary filters. Set up a drain valve, which can be drained at any time, and the maintenance and operation are convenient and simple.

- SHIMGE Inverter DC Water Pump

Intelligent variable frequency circulating pump, three-speed regulation. Using a permanent magnet motor, and intelligent frequency conversion control, the motor stator is completely shielded, and the rotating parts are made of ceramic bearings and ceramic shafts, which are wear-resistant and lubricated by clean water, which can cool the motor and reduce noise. Full pump head operation is not overloaded, and as long as it is used correctly, it is generally free of maintenance.