



单机版地源热泵热水器工控板

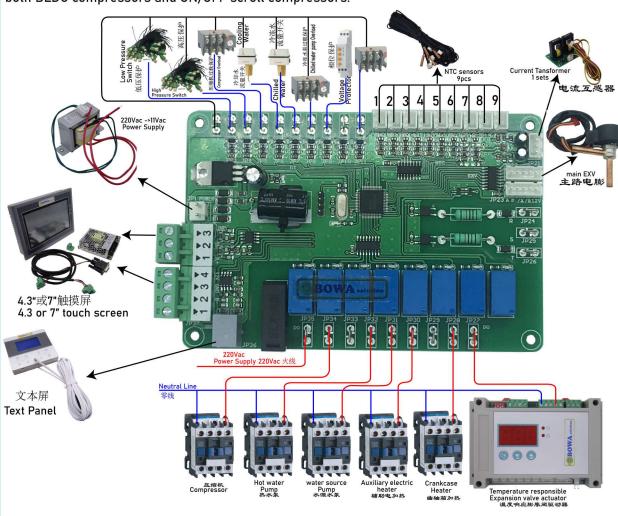
Single compressor geo-thermal heat pump water heater controller

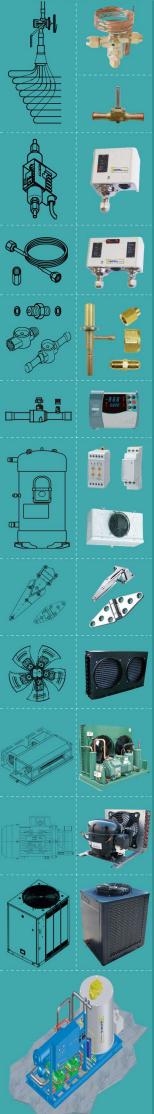


The BOWA SOLUTION standard application solutions for chillers/heat pumps with rotary, scroll & BLDC compressors are designed for various liquid temperature control. The application solution can manage both air/water and water/water units. The maximum c onfiguration involves six compressors in each circuit, with up to two circuits.

The built-in serial ports on the PCB baord moreover allow information to be exchanged with the unit actuators (electronic valves, fan controllers, compressor inverter, etc.), thus optimising unit control and efficiency according to system requirements.

Complete management of the compressor envelope allows the device to in safe conditions at all times, thus guaranteeing the highest performance. Indeed, whenever the compressor working approaches one of the operating limits defined by the envelope, specific prevention actions are adopted, involving varying compressor capacity (for BLDC compressors), condenser fan speed of condensation (on air/water units) and the opening of the electronic valve. The protection function is available for both BLDC compressors and ON/OFF scroll compressors.



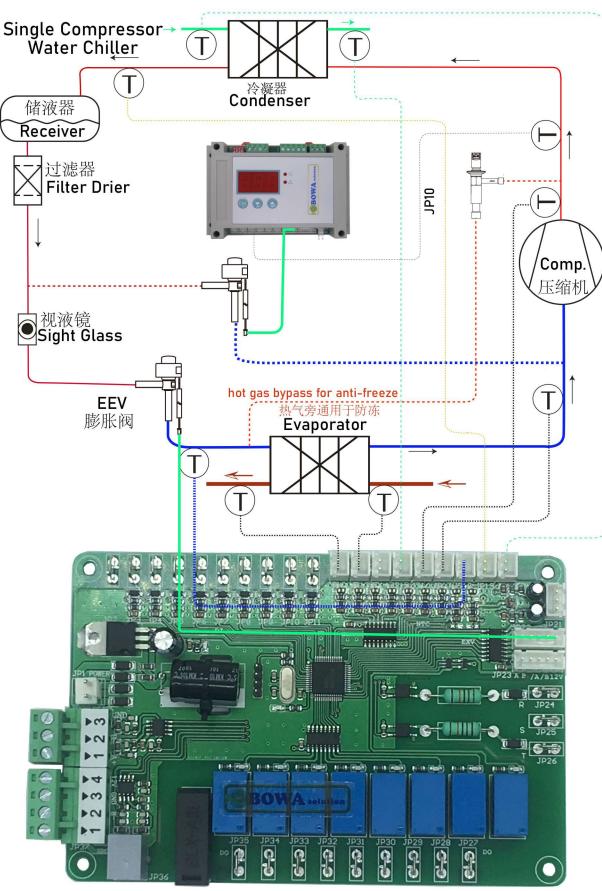






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