

ECV are stepper motor driven valves for precise control of refrigerant mass flow in air conditioning, refrigeration, heat pumps, chillers and industrial process cooling applications. The Control Valves can be used as thermo-expansion duty, liquid injection duty, hot gas bypass, evaporator pressure regulator, crankcase pressure regulator, head pressure regulator, or liquid level control.

电子膨胀阀是步进电机驱动阀，用于精确调控制冷、空调、热泵、冷水机及工业冷却系统中的制冷剂质量流量。逻辑控制器可以让电膨用作膨胀阀、喷液冷却、热气旁路、蒸发压力调节阀、曲轴箱压力调节阀、冷凝压力调节阀或制冷剂液位控制。

Caution:

1. Working Ambient Temperature: $-30^{\circ}\text{C} \sim 70^{\circ}\text{C}$
2. Working Ambient Humidity: 20% ~ 90% RH
3. No gases and dust corroding metal, damaging insulation

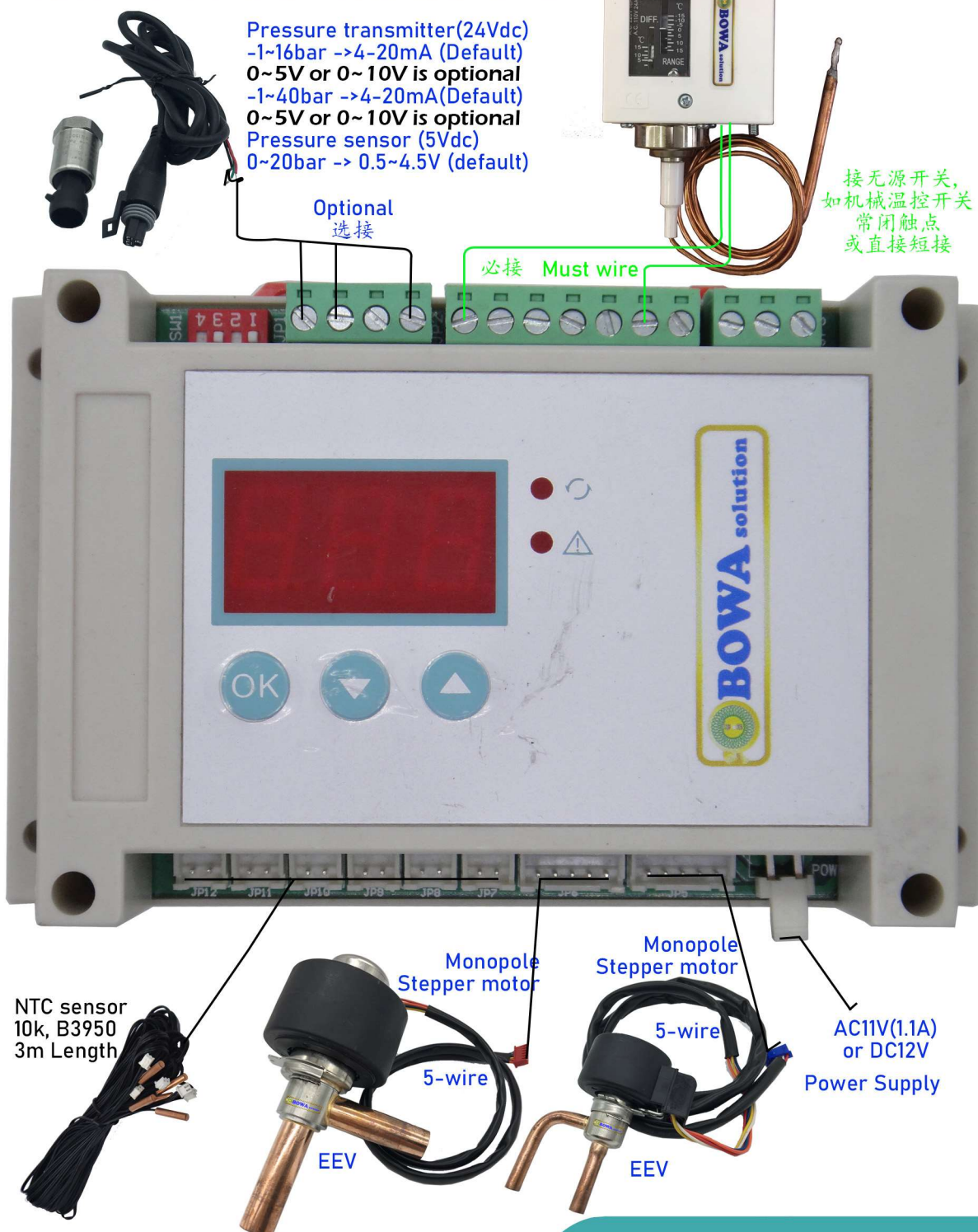
Pressure transmitter(24Vdc)
 $-1 \sim 16\text{bar} \rightarrow 4 \sim 20\text{mA}$ (Default)
 $0 \sim 5\text{V}$ or $0 \sim 10\text{V}$ is optional
 $-1 \sim 40\text{bar} \rightarrow 4 \sim 20\text{mA}$ (Default)
 $0 \sim 5\text{V}$ or $0 \sim 10\text{V}$ is optional
 Pressure sensor (5Vdc)
 $0 \sim 20\text{bar} \rightarrow 0.5 \sim 4.5\text{V}$ (default)

Optional
 选择

Wiring passive switch or short circuit
 as on/off signal of PCB board

接无源开关，
 如机械温控开关
 常闭触点
 或直接短接

必接 Must wire



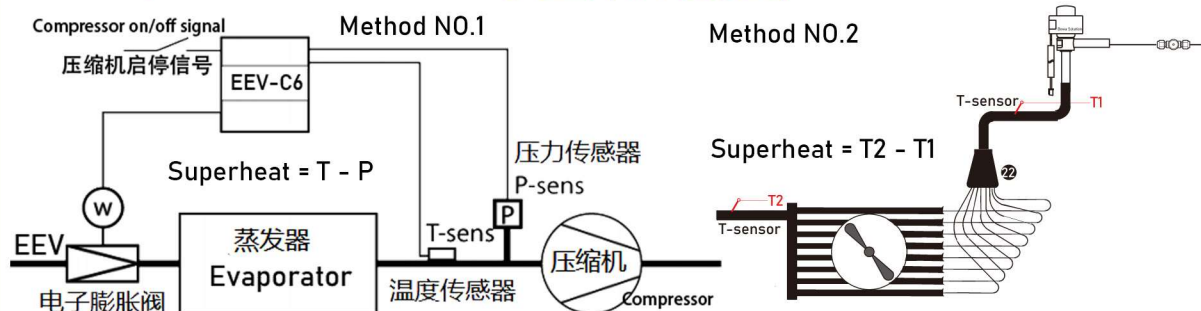
NTC sensor
 10k, B3950
 3m Length

Monopole
 Stepper motor

Monopole
 Stepper motor

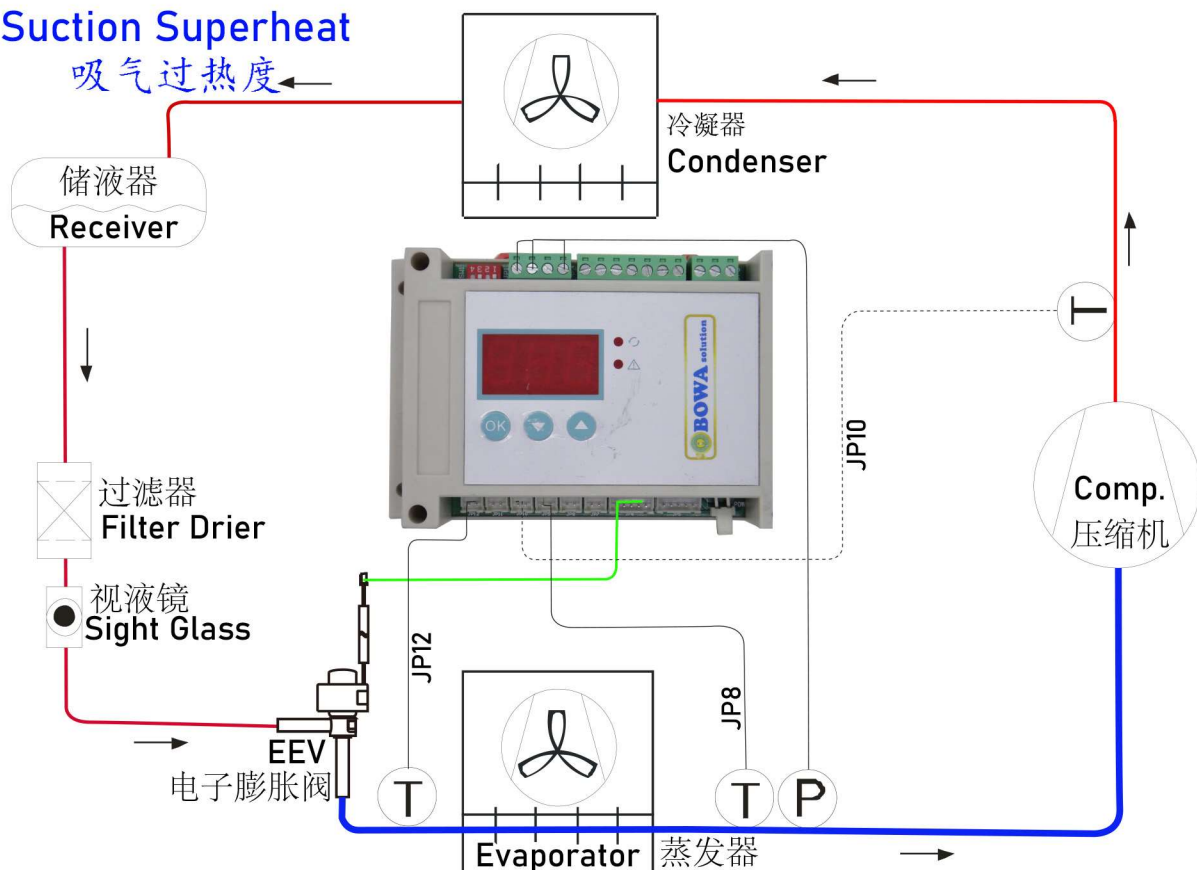
AC11V(1.1A)
 or DC12V
 Power Supply

Superheat 过热度

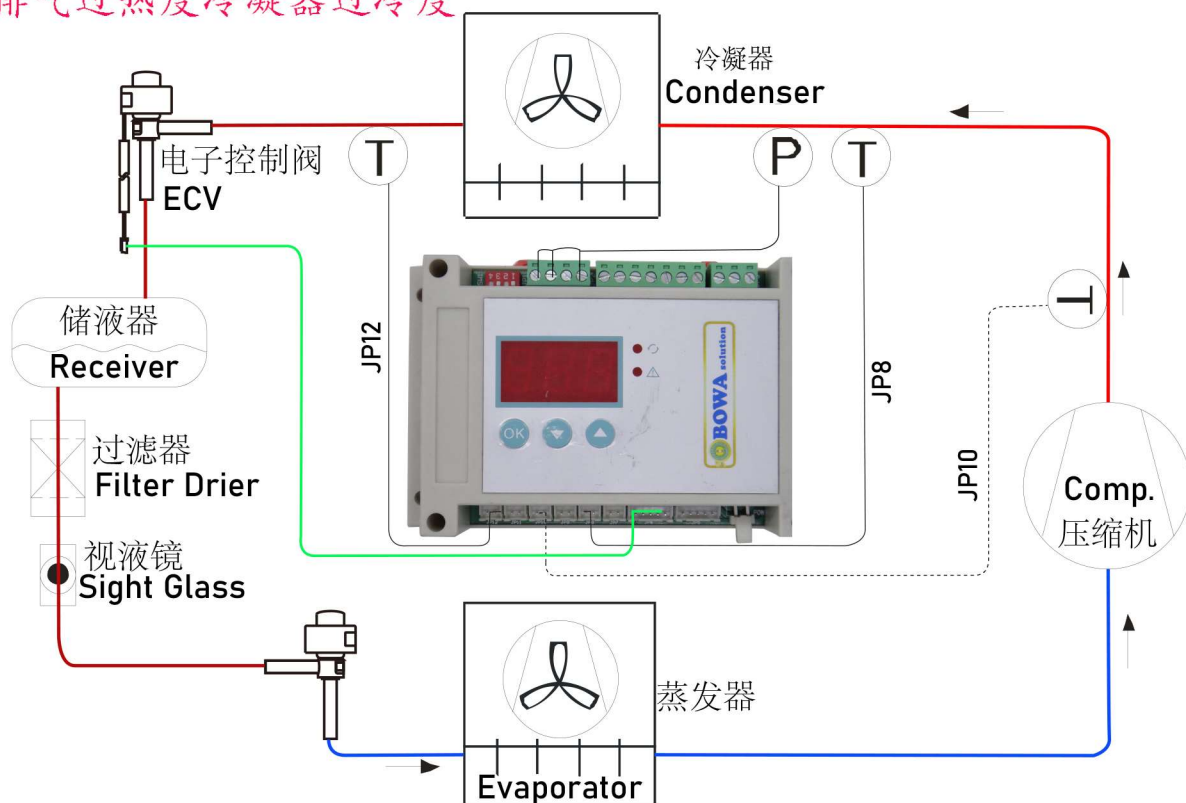


Part Nos. 产品代码	Controller 主板	Transformer 变压器	NTC Sensor 温感	Transmitter 变送器	Remark 备注
EEV-C2	1	X	X	X	Basic 基础
EEV-C2A	1	1	3	1	1 EEV driven by T2 - P
EEV-C2B	1	1	3	X	1 EEV driven by T2 - T1
EEV-C2C	1	1	6	2	2EEV driven by T2 - P
EEV-C2D	1	1	6	X	2 EEV driven by T2 - T1
EEV-C2E	1	1	1	X	1 liquid injection/EVI
EEV-C2F	1	1	2	X	2 liquid injection/EVI

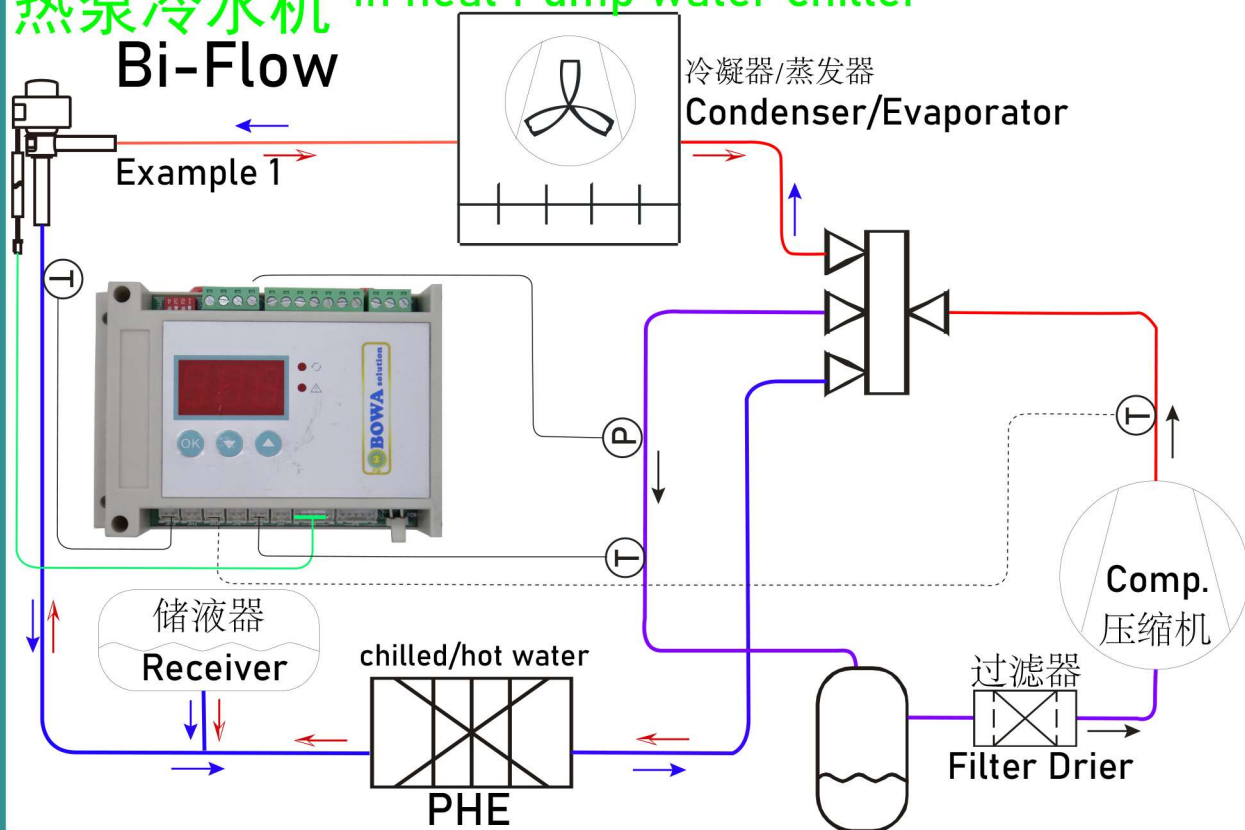
Suction Superheat 吸气过热度



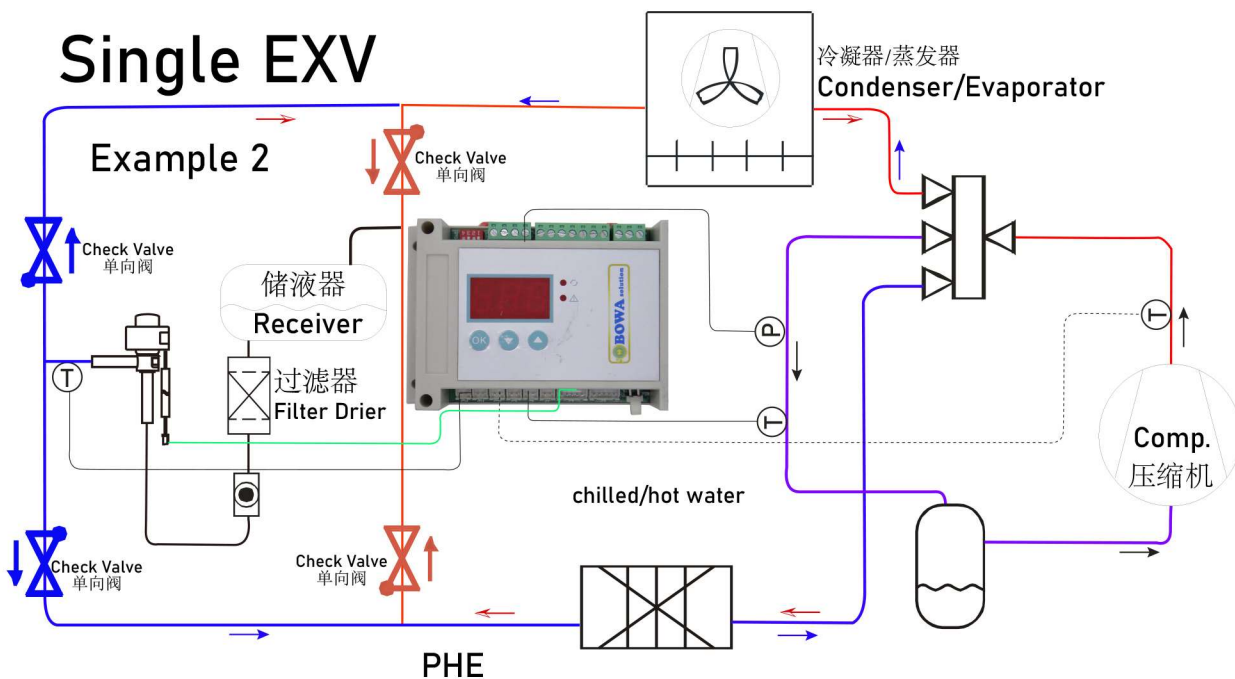
Discharge Superheat Condenser Subcool
排气过热度冷凝器过冷度



热泵冷水机 In heat Pump water chiller
Bi-Flow



Single EXV



Dual EXV Example 3

