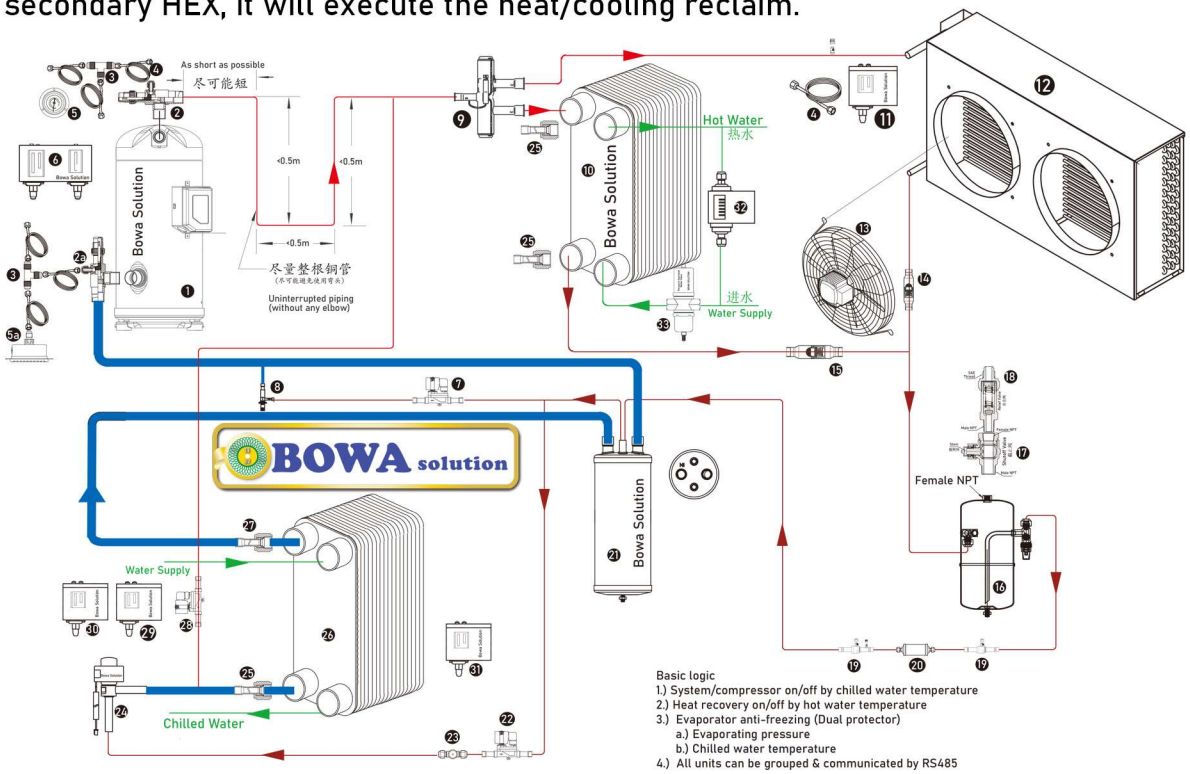
二位三通换向阀
3-way 2-position reverse valve

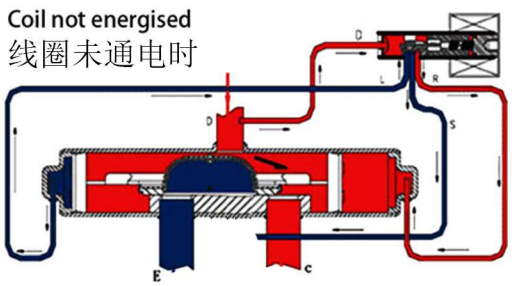
3-way reverse valves are used in cooling & heating integrated air conditioning, hot fluoride defrost in freezers, heat pump water chiller or other climate equipment to shift the refrigerant flow direction.By the direction shift between primiary HEX and secondary HEX, it will execute the heat/cooling reclaim.



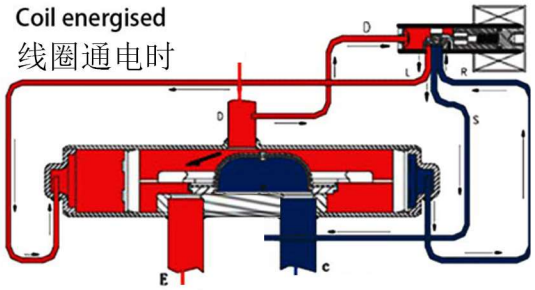
FEATURES

- Applicable for all common HCFC and HFC refrigerants such as: R22, R134a, R404A, R407C, R410A, R507
- Medium temperature TS min./max.: -30°C / +135°C (*)
- Ambient temperature min./max.: -30°C / +50°C
- Relative humidity: 0 to 95% RH
- Max. operating pressure PS ⩾ 4.5 MPa (45 bar)
- Installation position:
  - Coil upwards or with body axis in horizontal alignment
  - Flow direction according to installation instruction

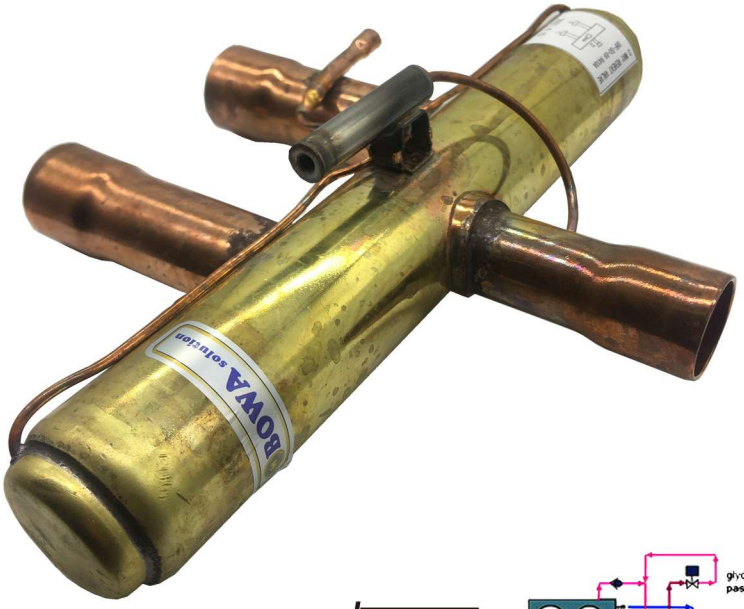
Coil not energised
线圈未通电时



Coil energised
线圈通电时



二位三通换向阀
3-way 2-position reverse valve



Kv value:18.2m³/h
Seat Φ: 25mm
D = 1" ODF
E,C = 1-1/8" (28mm) ODF

Open differential pressure
Min.: 0.1MPa
Max.: 4.0 MPa

Coil voltage:
220Vac as default
Optional
110Vac
24Vdc
12Vdc

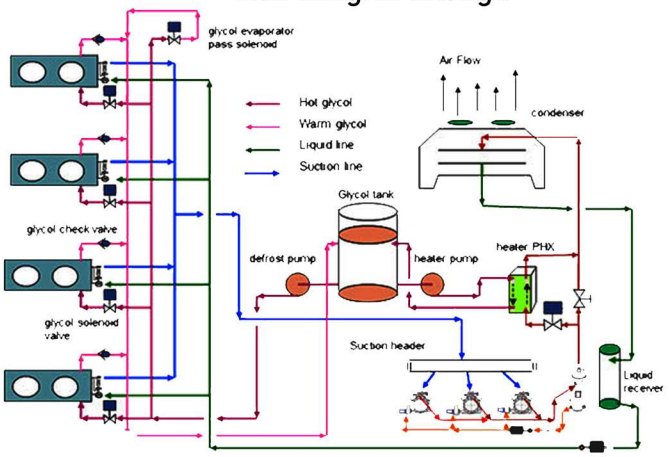
Net weight: 1.60kgs

$$Kv = Q * \sqrt{\frac{\rho_1}{1000 * \Delta p}}$$

ρ_1 = 入口介质密度 kg/m³
inlet medium density

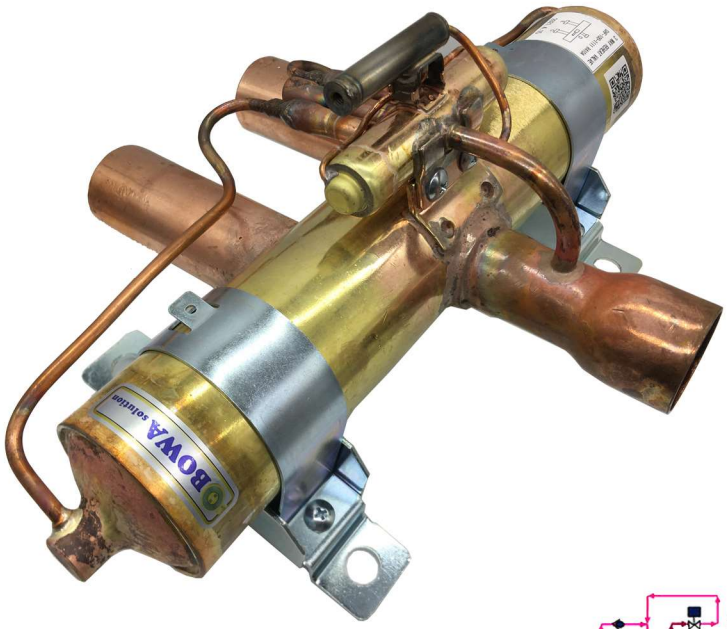
Δp = 阀门进出压差 bar
Differential Pressure between inlet and outlet of the valve

Q = 工况流量 m³/h
Flow rate in working conditions



In hot glycol defrost system

二位三通换向阀
3-way 2-position reverse valve



Kv value:40.5m³/h
Seat Φ: 34.8mm
D = 1-3/8" ODF
E,C = 1-3/8" (35mm) ODF

Open differential pressure
Min.: 0.1MPa
Max.: 4.0 MPa

Coil voltage:
220Vac as default
Optional
110Vac
24Vdc
12Vdc

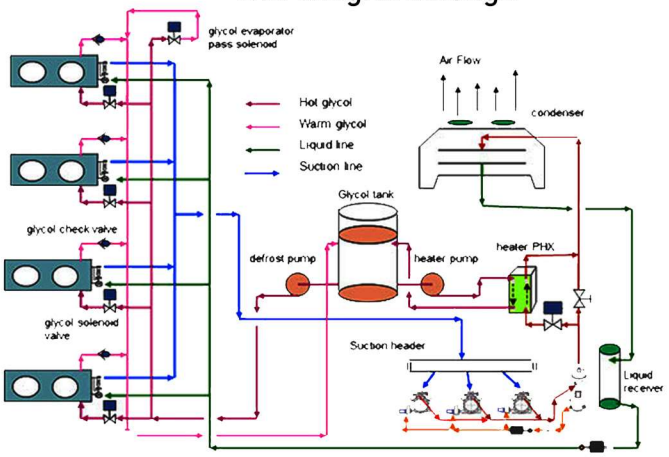
Net weight: 3.60kgs

$$Kv = Q * \sqrt{\frac{\rho_1}{1000 * \Delta p}}$$

ρ_1 = 入口介质密度 kg/m³
inlet medium density

Δp = 阀门进出压差 bar
Differential Pressure between inlet and outlet of the valve

Q = 工况流量 m³/h
Flow rate in working conditions



In hot glycol defrost system

二位三通换向阀
3-way 2-position reverse valve

Kv value:9.9m³/h
Seat Φ: 17.2mm
D = 5/8" ODF
E,C = 5/8" (16mm) ODF
Open differential pressure
Min.: 0.1MPa
Max.: 4.0 MPa
Coil voltage:
220Vac as default
Optional
110Vac,24Vdc,12Vdc

Net weight: 0.80kgs

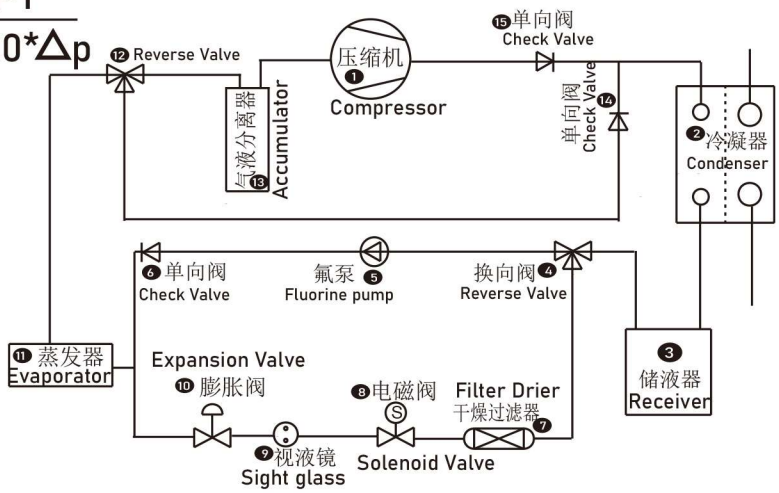
$$Kv=Q^*\sqrt{\frac{\rho_1}{1000^*\Delta p}}$$

ρ_1 = 入口介质密度 kg/m³
inlet medium density

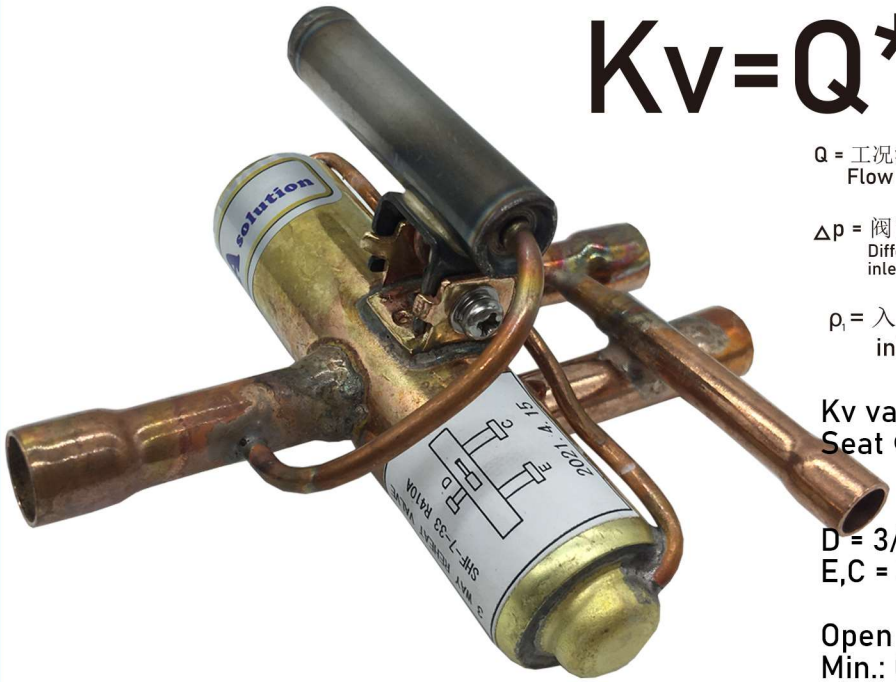
Δp = 阀门进出压差 bar
Differential Pressure between inlet and outlet of the valve

Q = 工况流量 m³/h
Flow rate in working conditions

Fluorine pump Air conditioner



二位三通换向阀
3-way 2-position reverse valve



$$Kv = Q^* \sqrt{\frac{\rho_1}{1000^*\Delta p}}$$

Q = 工况流量 m³/h
Flow rate in working conditions

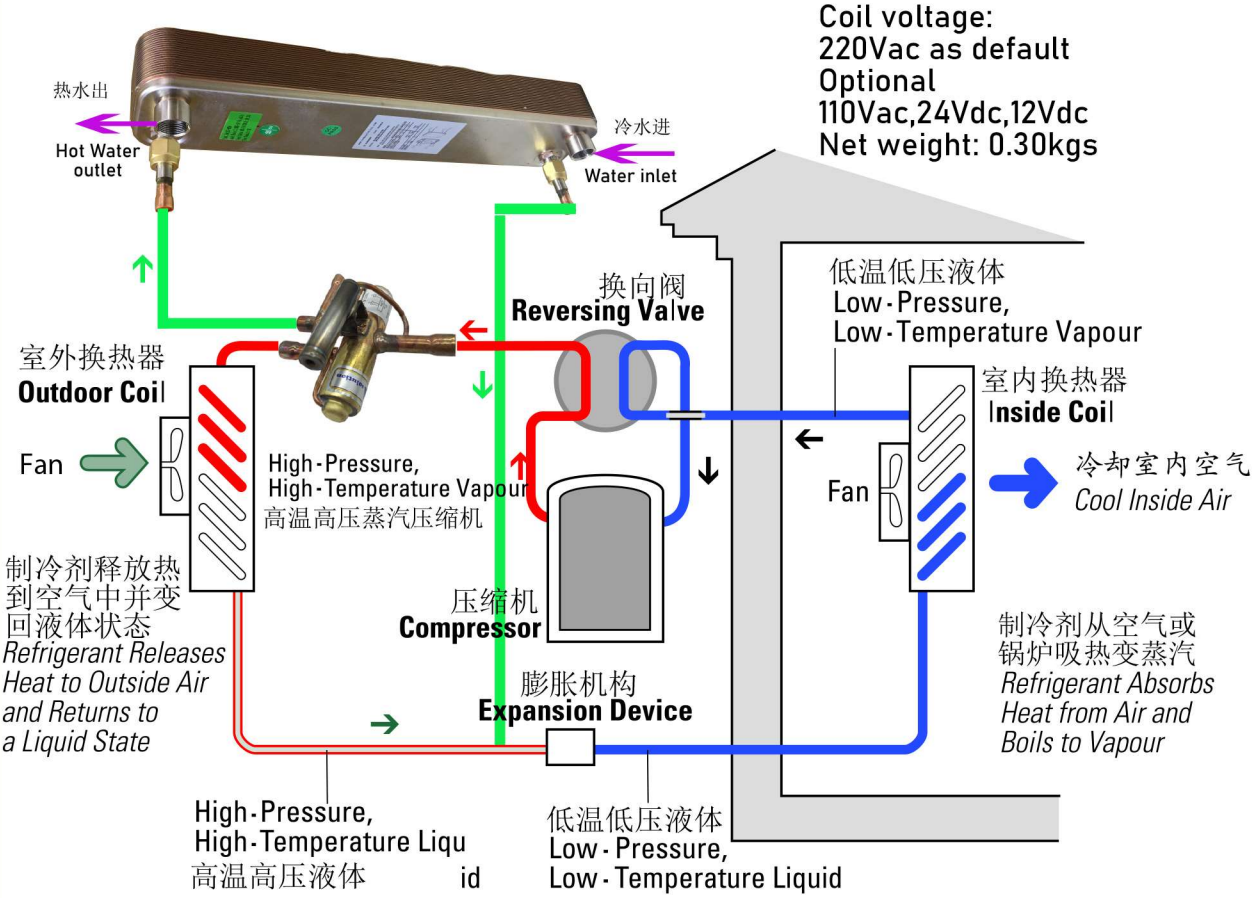
Δp = 阀门进出压差 bar
Differential Pressure between inlet and outlet of the valve

ρ_1 = 入口介质密度 kg/m³
inlet medium density

Kv value:2.9m³/h
Seat Φ: 11.1mm

D = 3/8" ODF
E,C = 3/8" (16mm) ODF

Open differential pressure
Min.: 0.1MPa
Max.: 4.0 MPa
Coil voltage:
220Vac as default
Optional
110Vac,24Vdc,12Vdc
Net weight: 0.30kgs



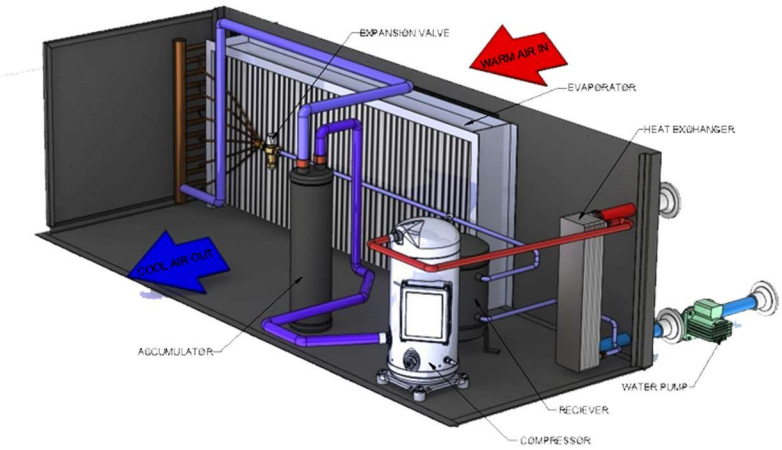
二位三通换向阀
3-way 2-position reverse valve

$$Kv = Q * \sqrt{\frac{\rho_1}{1000 * \Delta p}}$$

Q = 工况流量 m³/h
Flow rate in working conditions

Δp = 阀门进出压差 bar
Differential Pressure between inlet and outlet of the valve

ρ_1 = 入口介质密度 kg/m³
inlet medium density



Kv value:6.6m³/h
Seat Φ: 13.5mm

D = 1/2" ODF
E,C = 1/2" (12.7mm) ODF

Open differential pressure
Min.: 0.1MPa
Max.: 4.0 MPa
Coil voltage:
220Vac as default
Optional
110Vac,24Vdc,12Vdc
Net weight: 0.50kgs