


Instruction Manual

Solar to gas thermostatic selector valve (diverter valve)

	Model:BXHX20 SELECTOR VALVE (DIVERTER VALVE) WITHOUT CHECK VALVE
Body:	Brass with nickel plated
Temperature setting range:	40-45 °C
Hot and Cold water inlet temperature range:	4-95 °C
Maximum working temperature:	≤99 °C
Temperature stability:	+/-2 °C
Working pressure:	0.03-1Mpa
Ideal working pressure:	0.1-0.5Mpa
Connections:	G3/4", Inlets: M, Outlet: M
Flow rate(1 kg pressure drop):	26.67 L/min
Three way valves:	Two outlets , one inlet
Net weight	0.494 KGS
Gross weight	0.554 KGS

1. Technical Data

BXHX20 G3/4"

a. Maximum working temperature: 99 C

b. Rated outlet flow on 1 bar pressure drop:26.67L/Min

2. Materials of Construction

- Valve body: Nickel plated brass
- Shutter: PPO
- Connection: Inlets-Male thread, outlet-Male thread

3. Usage of Selector valves

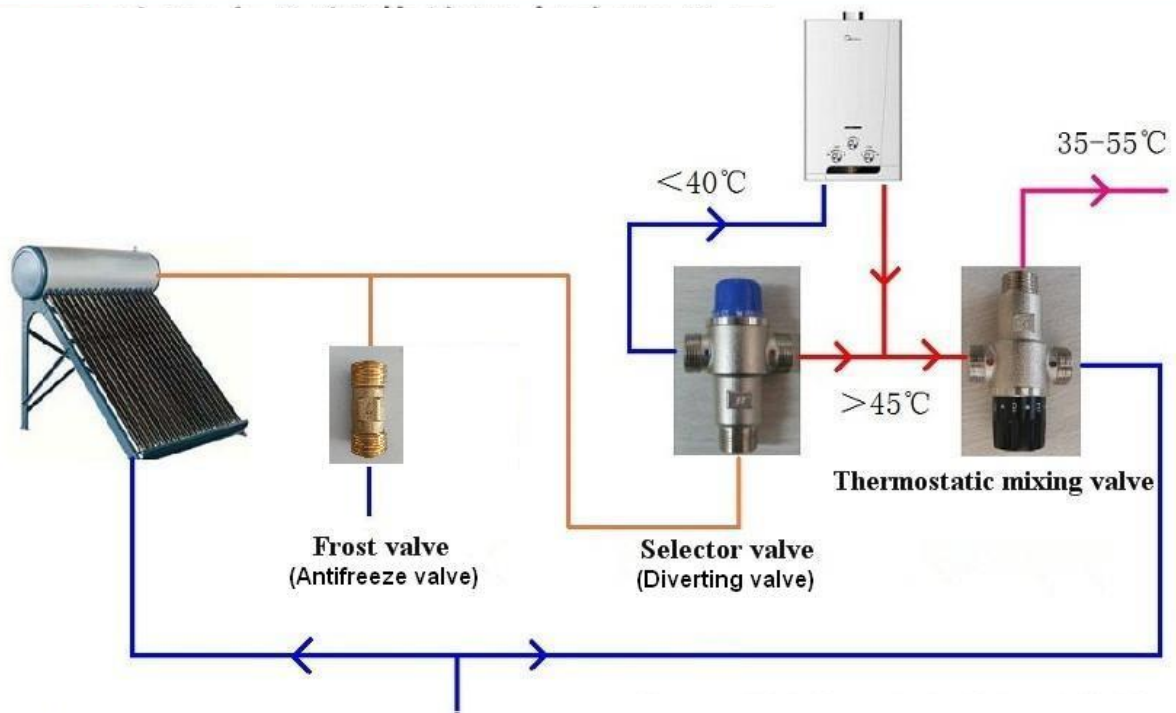
Point of use mixing for wash hand basins, bidets, baths and showers in hospitals, schools, sport and leisure facilities, prisons and other public buildings.

4. How they work ?

Temperature range: 40---45°C

When coming water is below 40°C, it will flow out from cold port. When above 45°C, flow from hot port. When the temperature between 40—45°C, it will flow from both ports.

Normally it is applied in solar heater and gas/electric water heater system. When sun shine is short and water temp from solar geyser is not hot enough, the water will be flow into for the secondary heating, such as gas or electric heater for second heating. For detailed information, please see the below picture:



Antifreeze valve :

When the water temp below 4 degree, it will open completely ;
When the water temp below 8 degree, it will open ;
When the water temp above 8 degree, it will close.

Diverting valve :

When the water temp above 45 degree, the water flow out from hot outlet ;
When the water temp below 40 degree, the water flow out from cold outlet ;
When the water temp between 40-45 degree, the water flow out from both outlet .

Thermostatic mixing valve : Temp. range is 35-55 degree