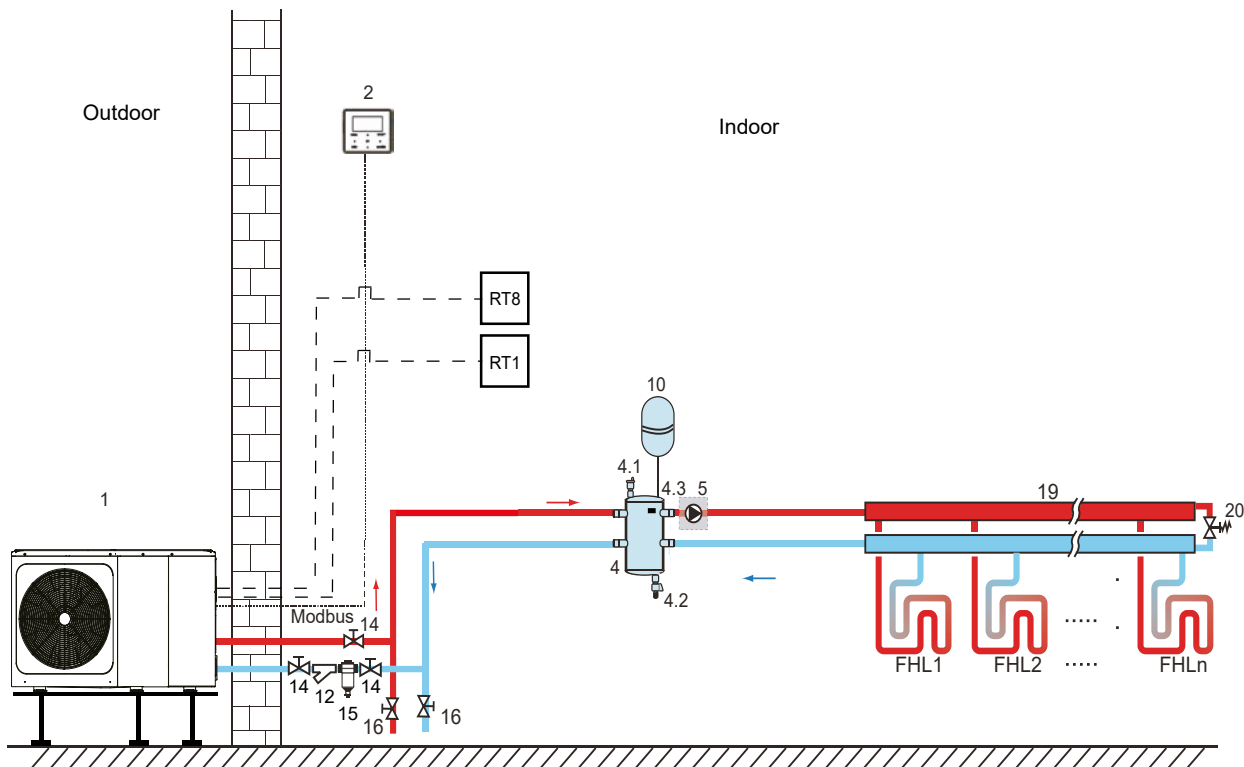## 8.2 Application 2

ROOM THERMOSTAT Control for Space heating or cooling need to be set on the user interface. It can be set in three ways: MODE SET/ONE ZONE/DOUBLE ZONE. The monobloc can be connected to a high voltage room thermostat and a low voltage room thermostat. A thermostat transfer board can also be connected. Another six thermostats can be connected to the thermostat transfer board. Please refer to 9.7.6/5) "For room thermostat" for wiring. (see 10.5.6 "ROOM THERMOSTAT" for setting)

8.2.1 One zone control

Code	Assembly unit	Code	Assembly unit
1	Main unit	14	Shut-off valve (Field supply)
2	User interface	15	Magnetic filter (Field supply)
4	Balance or buffer tank (Field supply)	16	Drainage valve (Field supply)
4.1	Automatic air purge valve	19	Collector/distributor (Field supply)
4.2	Drainage valve	20	Bypass valve (Field supply)
5	P_o: Outside circulation pump (Field supply)	RT 1	Low voltage room thermostat (Field supply)
10	Expansion vessel (Field supply)	RT8	High voltage room thermostat (Field supply)
12	Filter (Accessory)	FHL 1...n	Floor heating loop (Field supply)

- **Space heating**
  One zone control: the unit ON/OFF is controlled by the room thermostat, cooling or heating mode and outlet water temperature are set on the user interface. System is ON when any "HL" of all the thermostats closes. When all "HL" open, system turns OFF.

- **The circulation pumps operation**
  When the system is ON, which means any "HL" of all the thermostats closes, P_o starts running; When the system is OFF, which means all "HL" close, P_o stops running.