

Typical Installation Example

⚠ CAUTION

If **THERMAV** is installed with pre-existing boiler, the boiler and **THERMAV** should not be operated together. If entering water temperature of **THERMAV** is above 55 °C, the system will stop operation to prevent mechanical damage of the product. For detailed electric wiring and water piping, please contact authorized installer.

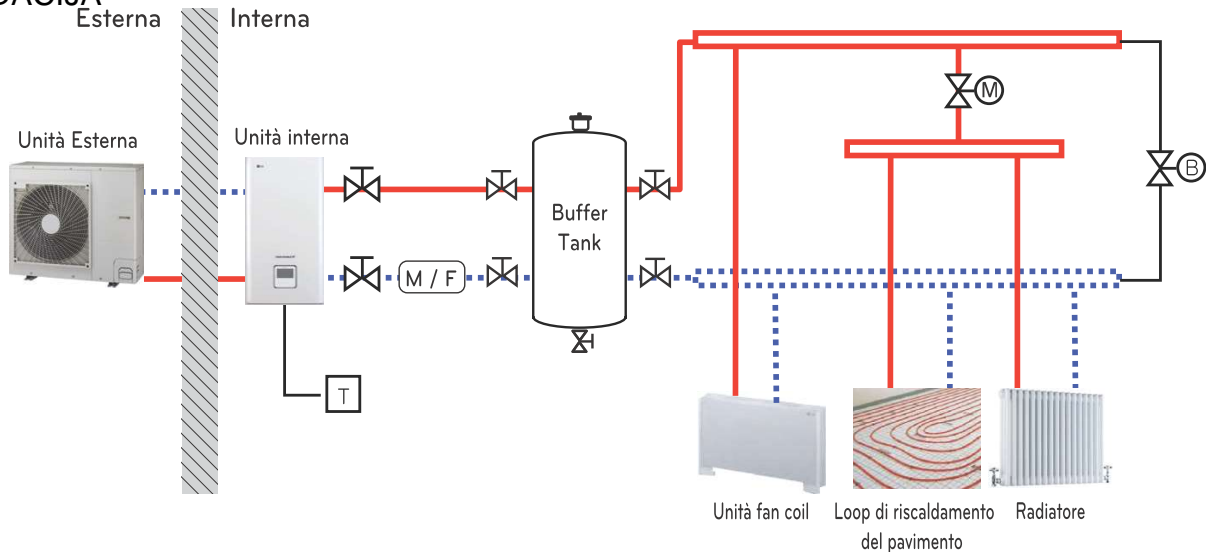
Some installation scenes are presented for example. As these scenes are conceptual figures, installer should optimize the installation scene according to the installation conditions.

Note that buffer tank should be installed.

CASE 1: Connecting Heat Emitters for Heating and Cooling

(Under floor loop, Fan Coil Unit, and Radiator)

REKOMENDACIJA



NOTE

- Room thermostat
 - Type of thermostat and specification should be complied with chapter 8 of **THERMAV** installation manual.
- 2way valve
 - It is important to install 2way valve to prevent dew condensation on the floor and radiator while cooling mode.
 - Type of 2way control valve and specification should be complied with chapter 8 of **THERMAV** installation manual.
 - 2way valve should be installed at the supply side of the collector.
- By-pass valve
 - To secure enough water flow rate, by-pass valve should be installed at the collector.
 - By-pass valve should guarantee minimum water flow rate in any case. Minimum water flow rate is described in water pump characteristics curve.

— High Temperature

.... Low Temperature



Room Thermostat(Field supply)



2way valve (Field supply)



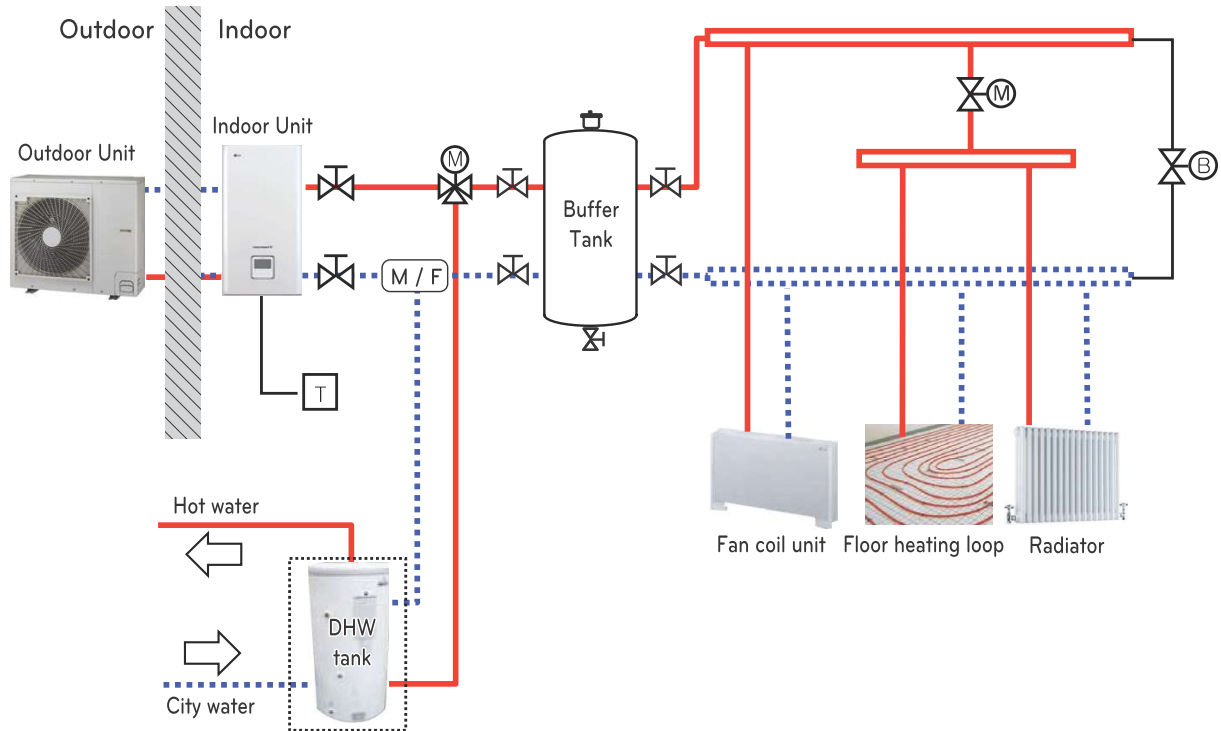
Shut-off valve



By-pass valve (Field supply)

(M / F) Magnetic Filter (Mandatory)

CASE 2: Connecting DHW Tank



NOTE

- DHW tank
 - It should be equipped with booster heater to generate sufficient heat energy in very cold season.
 - DHW : Domestic Hot Water
- 3way valve
 - Type of 3way valve and specification should be complied with chapter 8 of **THERMAV**™ installation manual.

— High Temperature

... Low Temperature

⊞ Shut-off valve

(M/F) Magnetic Filter (Mandatory)

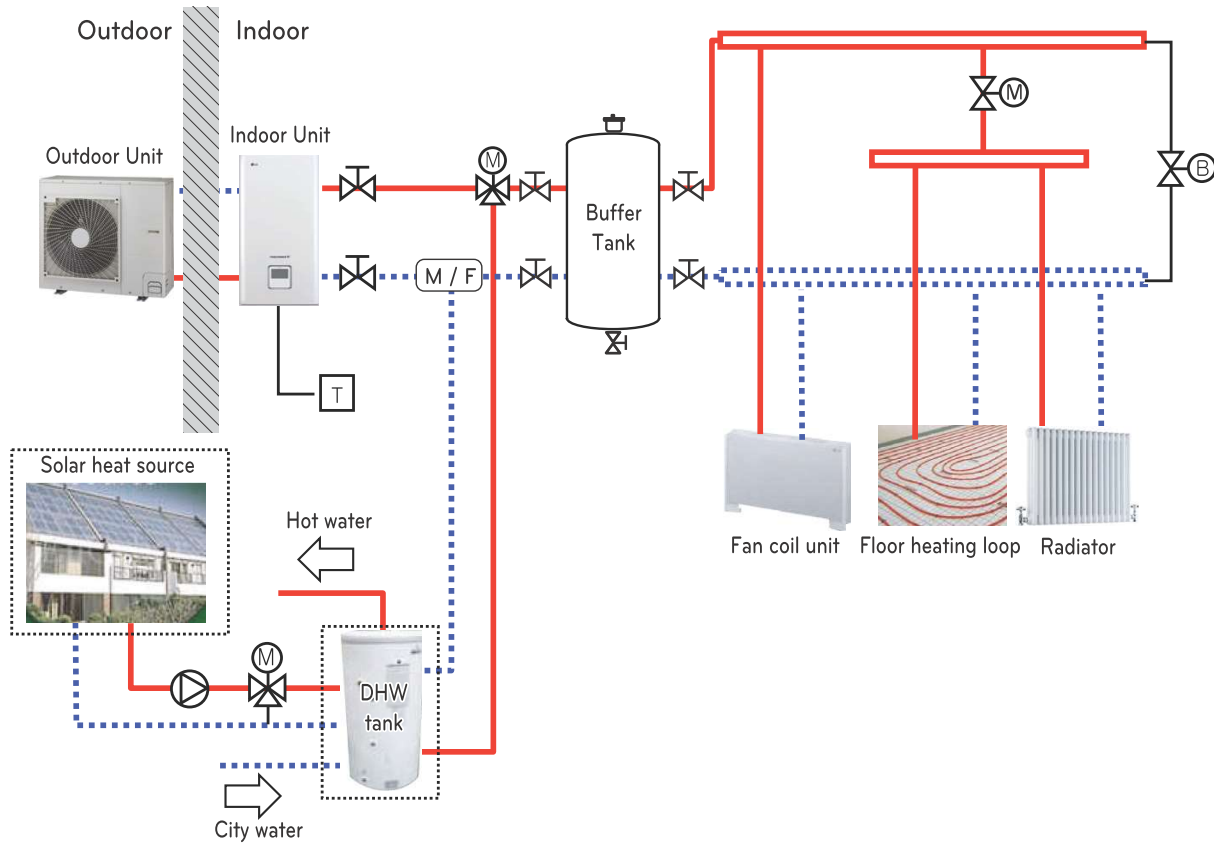
⊞ T Room Thermostat(Field supply)

⊞ M 2way valve
(Field supply)

⊞ B By-pass valve(Field supply)

⊞ M 3way valve
(Field supply)

CASE 3: Connecting Solar thermal system

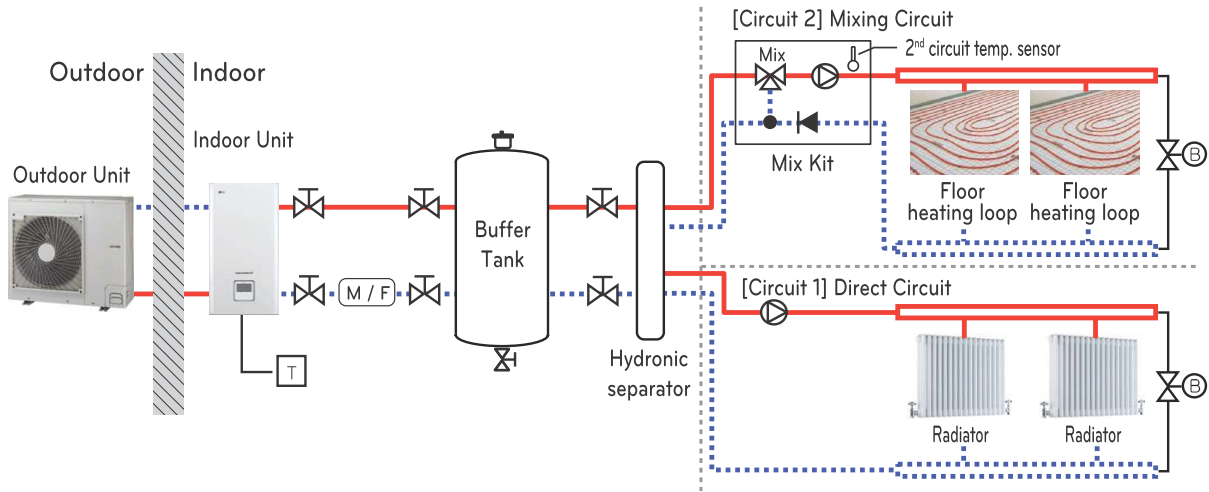


NOTE

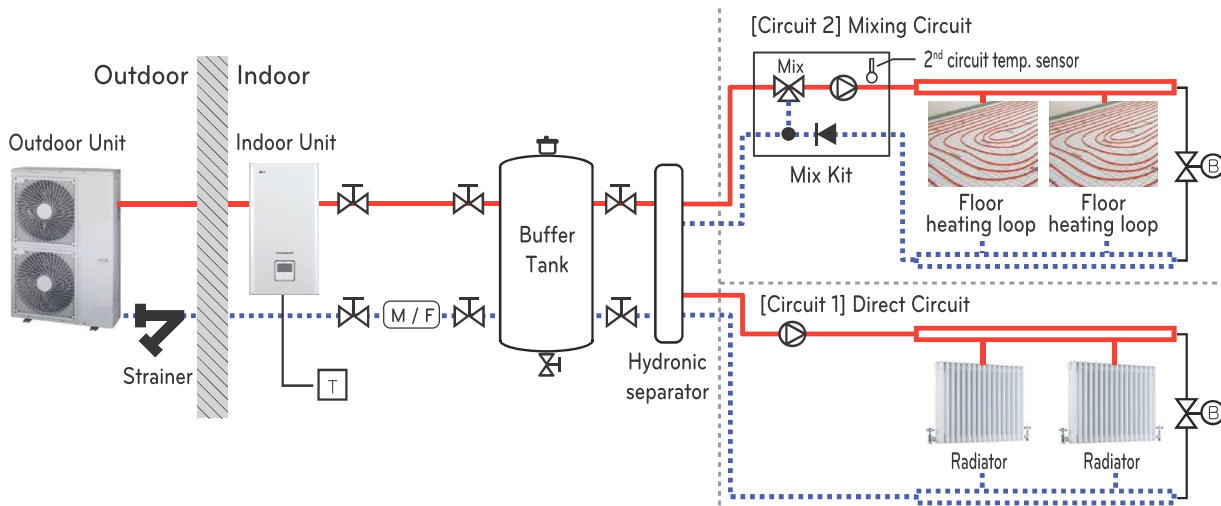
- DHW tank
 - It should be equipped with booster heater to generate sufficient heat energy in very cold season.
 - DHW : Domestic Hot Water
- Pump
 - Maximum power consumption of pump should be less than 0.25 kW.

	High Temperature		Room Thermostat(Field supply)		3way valve (Field supply)
	Low Temperature		2way valve (Field supply)		(Field supply)
	Shut-off valve		By-pass valve(Field supply)		Pump(Field supply)
	Magnetic Filter (Mandatory)				

CASE 4-1: Connecting 2nd Circuit



CASE 4-2: Connecting 2nd Circuit (For Hydrosplit)



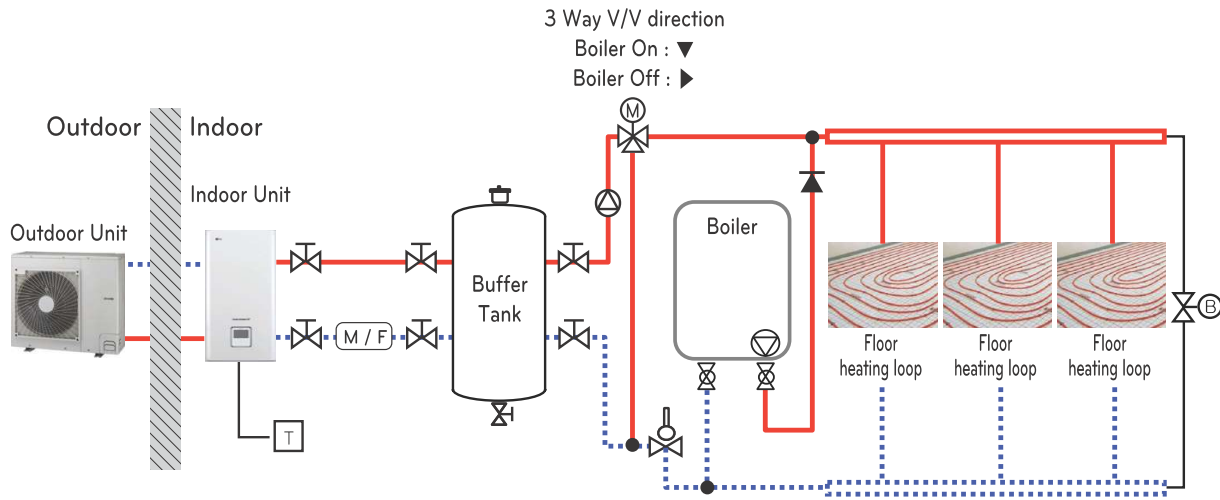
* Water In / Water Out installation scene may vary depending on the model.

NOTE

- Mix Kit
 - You can install it when you want to set the temperature of two rooms individually
 - When heating, Circuit 2 can not be higher than Circuit 1.
 - When cooling, Circuit 2 can not be lower than Circuit 1.
 - The types and specifications of the Mix Kit are to comply with chapter 8 of the **THERMAV** Installation Manual.

	High Temperature		Room Thermostat(Field supply)		3way valve (Field supply)
	Low Temperature		2way valve (Field supply)		Pump(Field supply)
	Shut-off valve		By-pass valve(Field supply)		Mix Kit (Field supply)
	Magnetic Filter (Mandatory)				
	Pressure Regulation valve (Field supply)				

CASE 5: Connecting 3rd Party Boiler



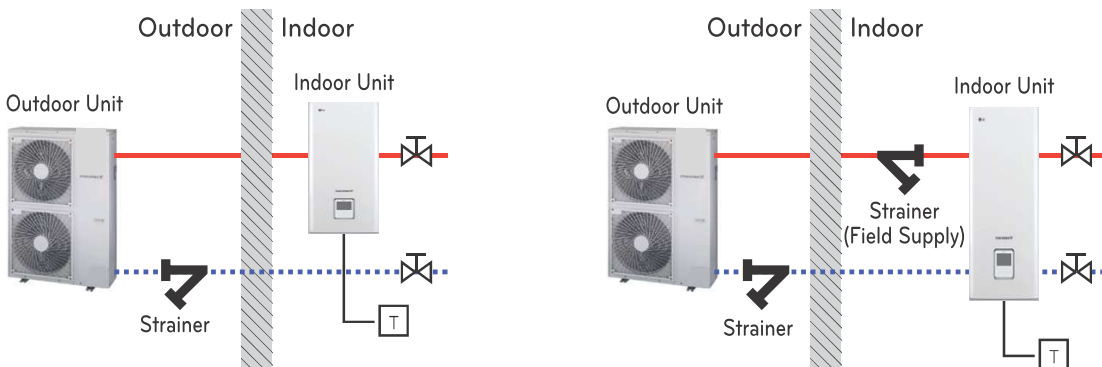
NOTE

- 3rd Party Boiler
 - 3rd party boiler can be controlled by manually via remote controller or automatically itself by means of comparing the outside air temperature and the pre-set temperature.
- 3way valve
 - Type of 3way valve and specification should be complied with chapter 8 of installation manual.

	High Temperature		Room Thermostat(Field supply)		3way valve (Field supply)
	Low Temperature		2way valve (Field supply)		By-pass valve(Field supply)
	Shut-off valve		Pump(Field supply)		Aquastat V/V
	Magnetic Filter (Mandatory)				
	Check valve		Air vent (Field supply)		

(For Hydrosplit)

To protect the product, be sure to install a strainer on the water inlet pipe.



* Water In / Water Out installation scene may vary depending on the model.