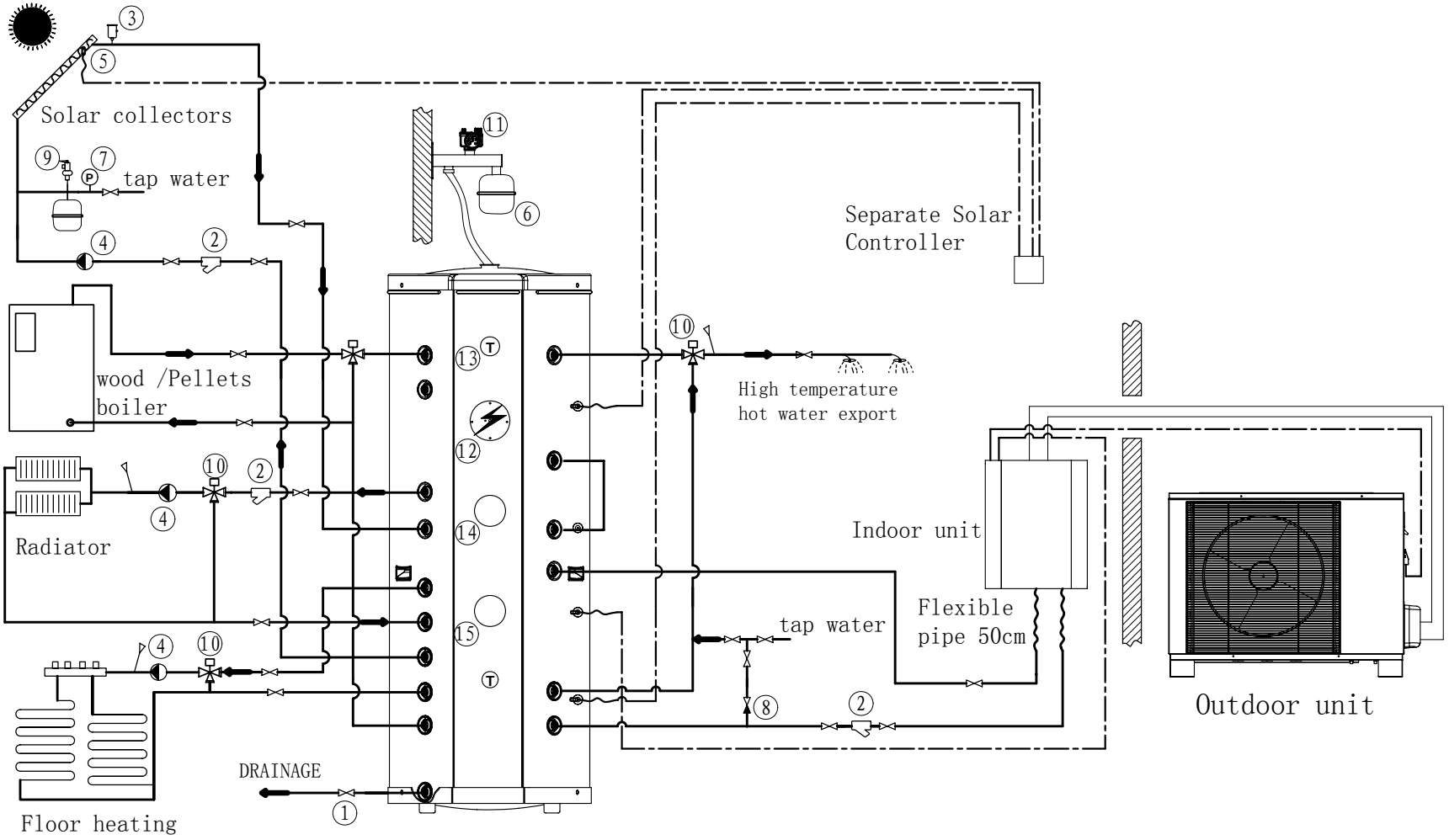
# Total system graph 3

| Distribution system temperature definitions | |
|---|---|
| Low | 25-40℃ |
| Medium | 40-50℃ |
| High | 50-80℃ |

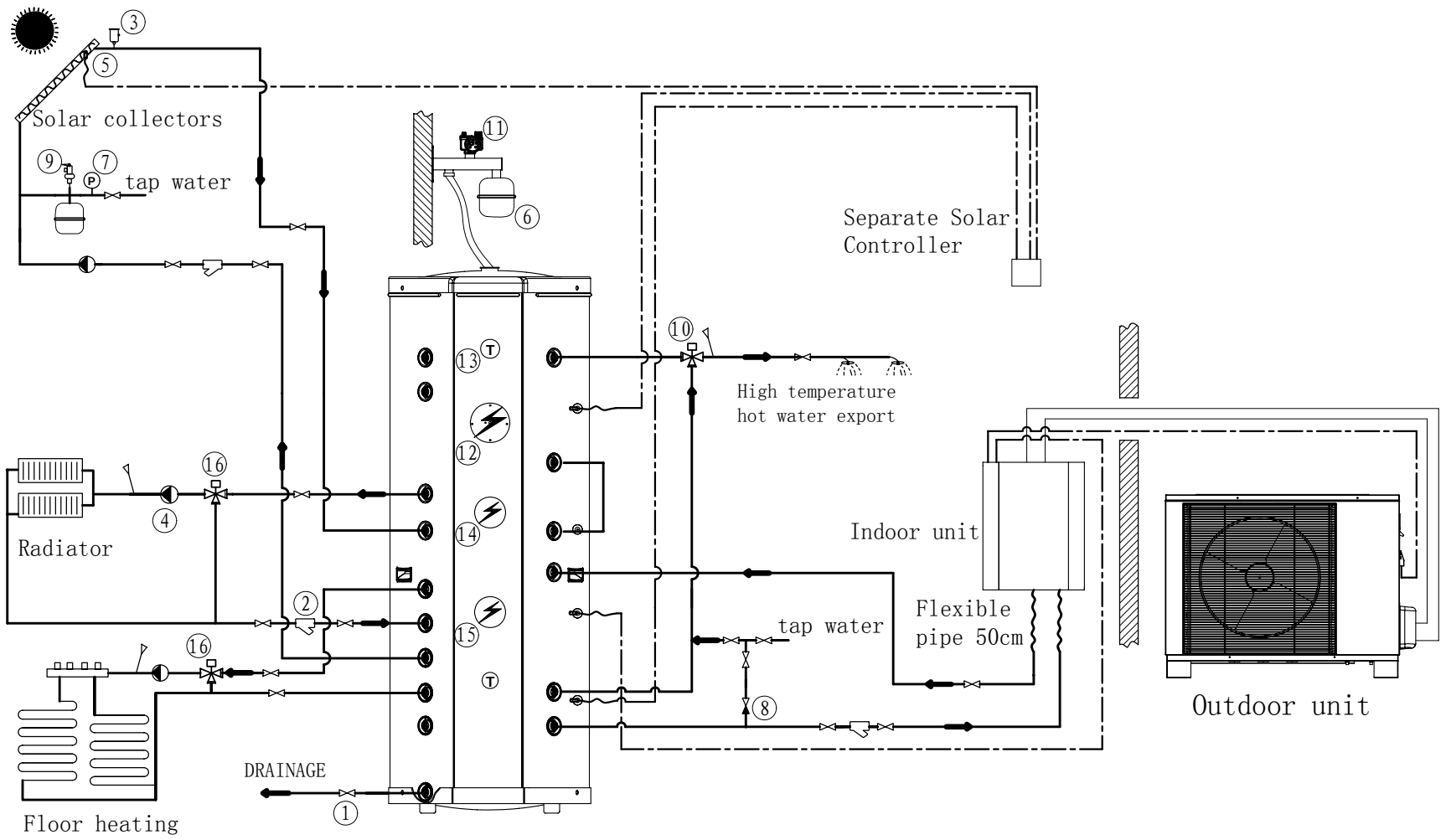



| No | Name | legend |
|---|---|---|
| 15 | electric heater socket 2 | |
| 14 | electric heater socket 1 | |
| 13 | temperaturemeters | Ⓣ |
| 12 | 3KW heater | |
| 11 | safety valve | |
| 10 | water mixing valve | |
| 9 | T/P valve for solar system | |
| 8 | non-return valve | |
| 7 | pressure gage | Ⓟ |
| 6 | expansion tank | |
| 5 | sensor | |
| 4 | water pump | |
| 3 | automatic air valve | |
| 2 | filter | |
| 1 | shutoff valve | |

# Total system graph 1

## “LOW/MEDIUM”

| Distribution system temperature definitions | |
|---|---|
| Low | 25-40℃ |
| Medium | 40-50℃ |
| High | 50-80℃ |

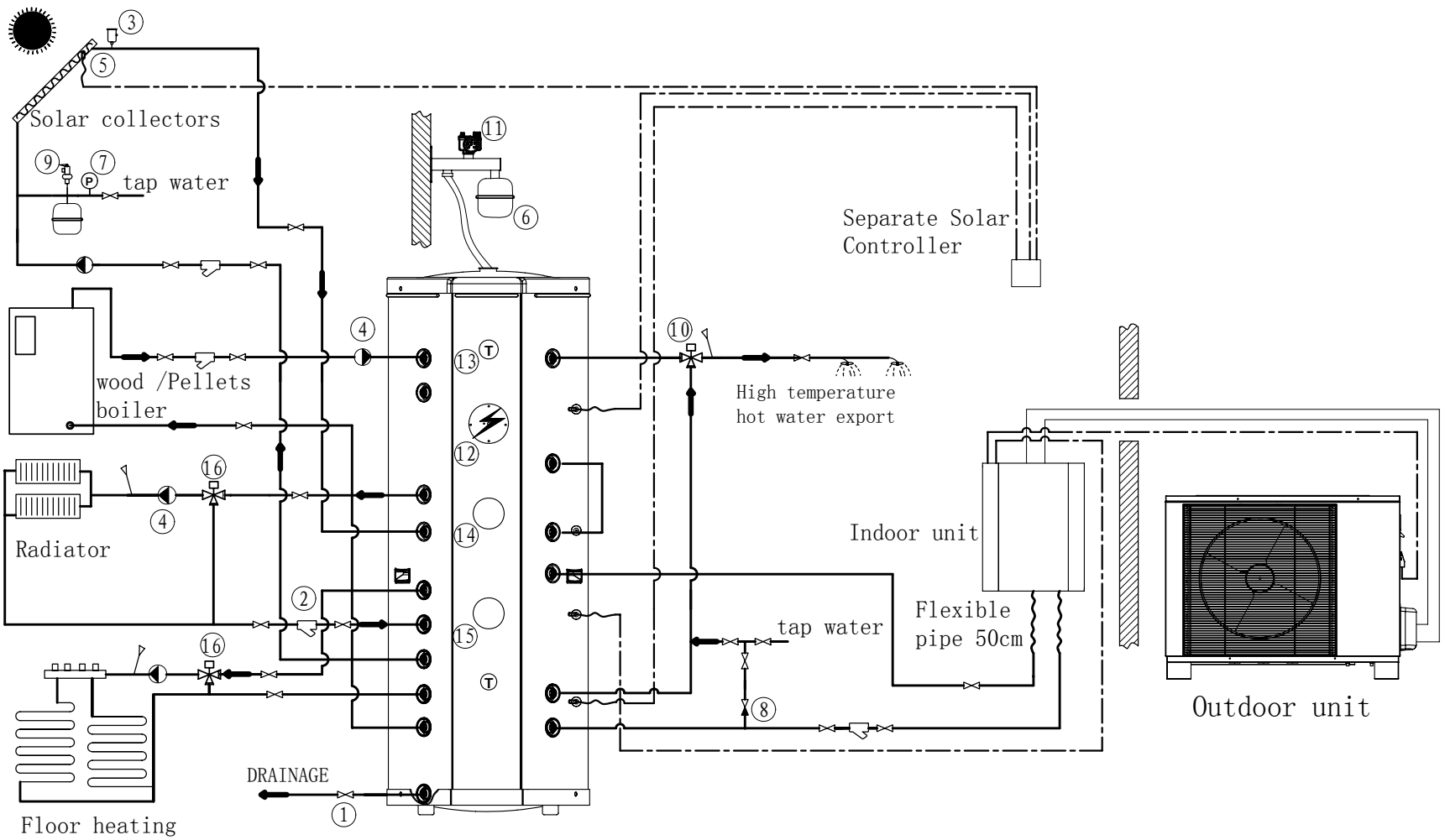



| No | Name | legend |
|---|---|---|
| 16 | 3-WAY SHUNT | ‘ON’ |
| 15 | electric heater socket 2 | ‘ON’ |
| 14 | electric heater socket 1 | |
| 13 | temperaturemeters | Ⓣ |
| 12 | 3KW heater | |
| 11 | safety valve | |
| 10 | mixing valve | |
| 9 | T/P valve for solar system | |
| 8 | non-return valve | |
| 7 | pressure gage | Ⓟ |
| 6 | expansion tank | |
| 5 | sensor | |
| 4 | water pump | |
| 3 | automatic air valve | |
| 2 | filter | |
| 1 | shutoff valve | |

# Total system graph 2

## “LOW/MEDIUM”

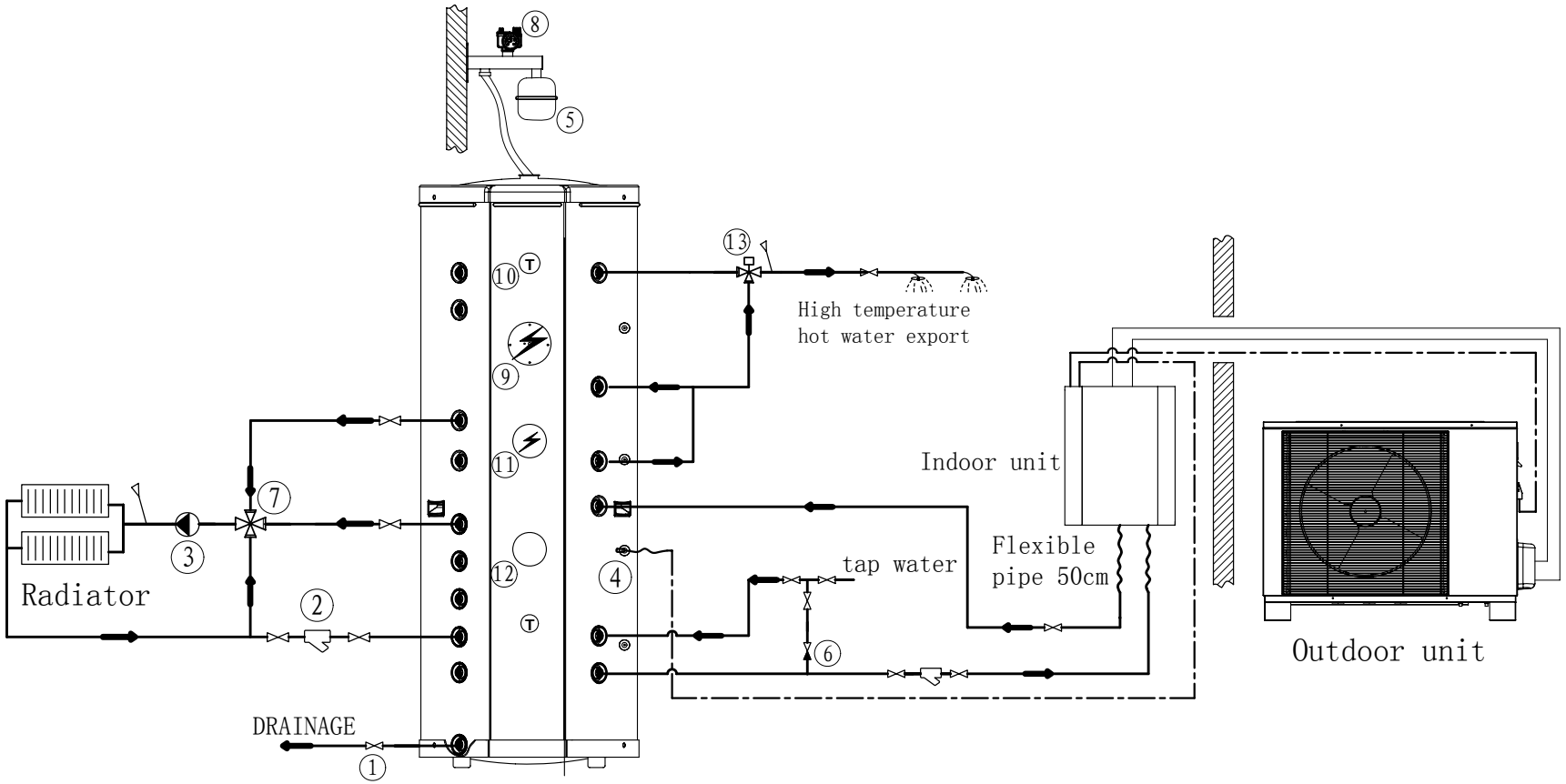
| Distribution system temperature definitions | |
|---|---|
| Low | 25-40℃ |
| Medium | 40-50℃ |
| High | 50-80℃ |




| No | Name | legend |
|---|---|---|
| 16 | 3-WAY SHUNT | |
| 15 | electric heater socket 2 | ‘ON’ |
| 14 | electric heater socket 1 | ‘ON’ |
| 13 | temperaturemeters | Ⓣ |
| 12 | 3KW heater | |
| 11 | safety valve | |
| 10 | mixing valve | |
| 9 | T/P valve for solar system | |
| 8 | non-return valve | |
| 7 | pressure gage | Ⓟ |
| 6 | expansion tank | |
| 5 | sensor | |
| 4 | water pump | |
| 3 | automatic air valve | |
| 2 | filter | |
| 1 | shutoff valve | |

# 1.1 AIR WATER + MULTIFUNCTIONAL TANK. “HIGH”

| Distribution system temperature definitions | |
|---|---|
| Low | 25-40℃ |
| Medium | 40-50℃ |
| High | 50-80℃ |

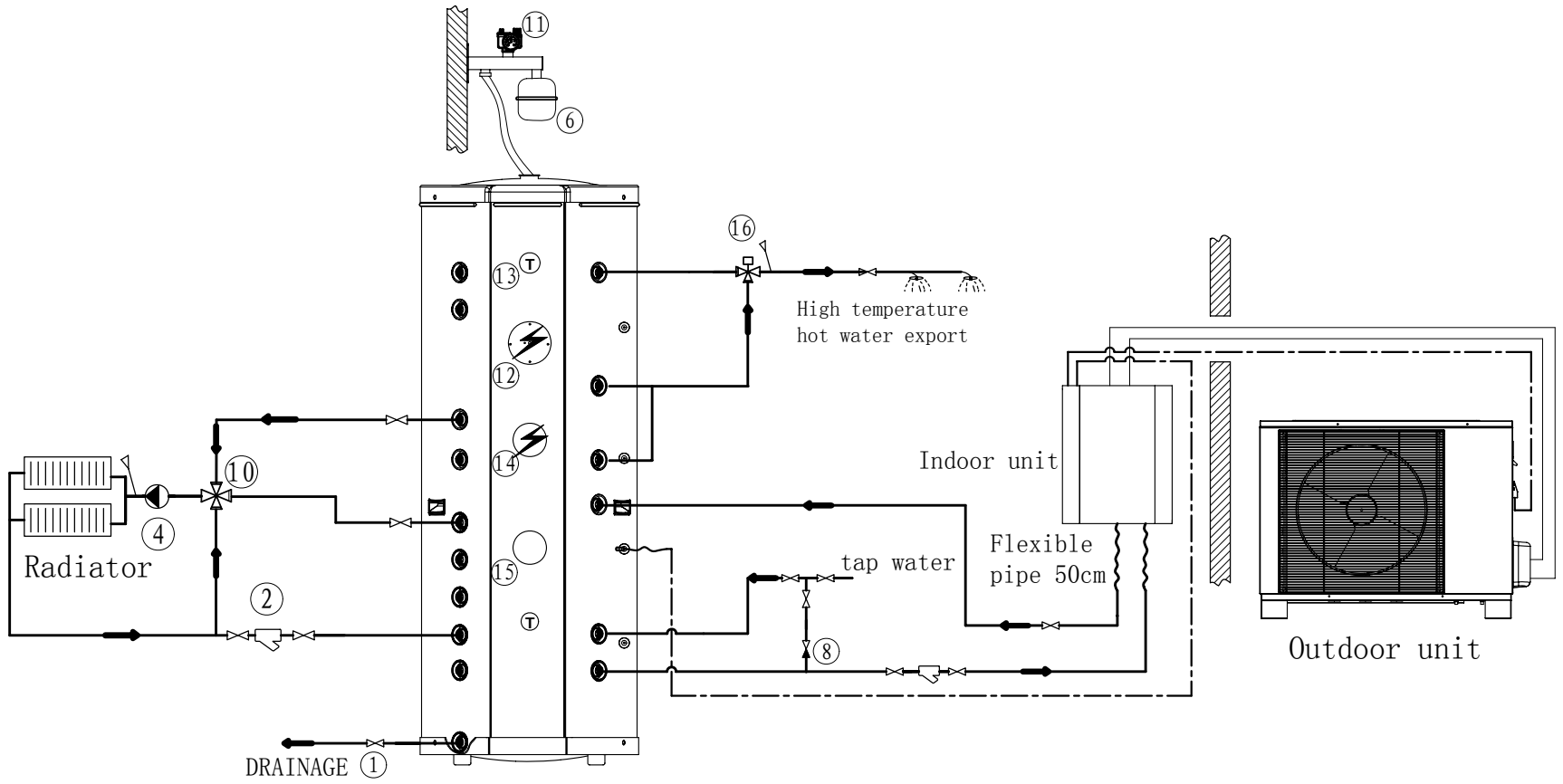



| No | Name | legend |
|---|---|---|
| 13 | mixing valve | |
| 12 | electric heater socket 2 | |
| 11 | electric heater socket 1 | ‘ON’ |
| 10 | temperaturemeters | Ⓣ |
| 9 | 3KW heater | |
| 8 | safety valve | |
| 7 | Bivalent 4-WAY SHUNT | |
| 6 | non-return valve | |
| 5 | expansion tank | |
| 4 | sensor | |
| 3 | water pump | |
| 2 | filter | |
| 1 | shutoff valve | |

# 2.1 AIR WATER + MULTIFUNCTIONAL TANK + SOLAR COLLECTORS.
# “HIGH”

| Distribution system temperature definitions | |
|---|---|
| Low | 25-40℃ |
| Medium | 40-50℃ |
| High | 50-80℃ |

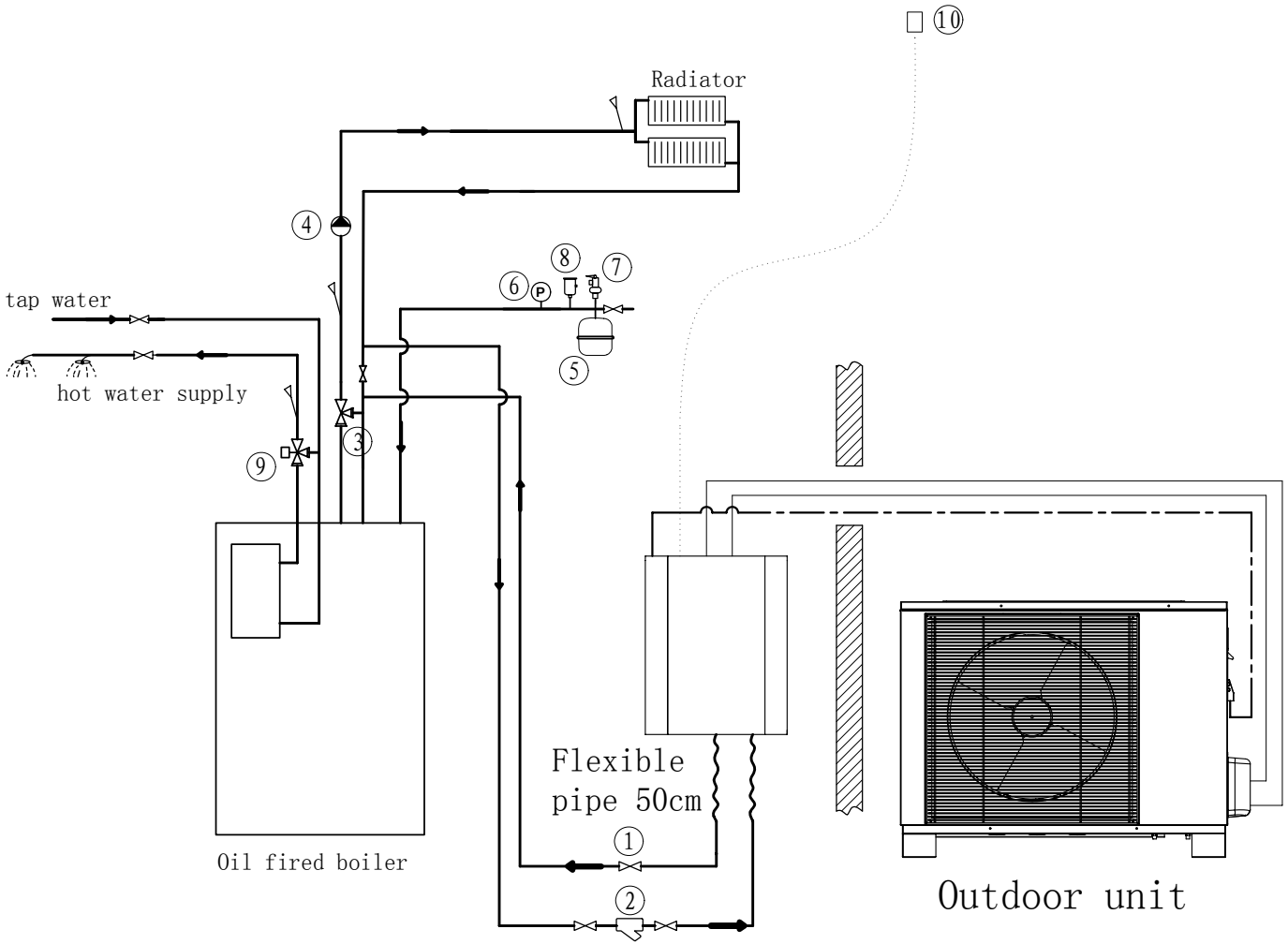
| No | Name | legend |
|---|---|---|
| 1 | shutoff valve | |
| 2 | filter | |
| 3 | automatic air valve | |
| 4 | water pump | |
| 5 | sensor | |
| 6 | expansion tank | |
| 7 | pressure gage | |
| 8 | non-return valve | |
| 9 | T/P valve for solar system | |
| 10 | BIVALENT H-WAY SHUIUT | |
| 11 | safety valve | |
| 12 | 3KW heater | |
| 13 | temperaturemeters | |
| 14 | electric heater socket 1 | ‘ON’ |
| 15 | electric heater socket 2 | |
| 16 | MIXING VALVE | |



# 3.1 AIR WATER +BOILER

# “HIGH”

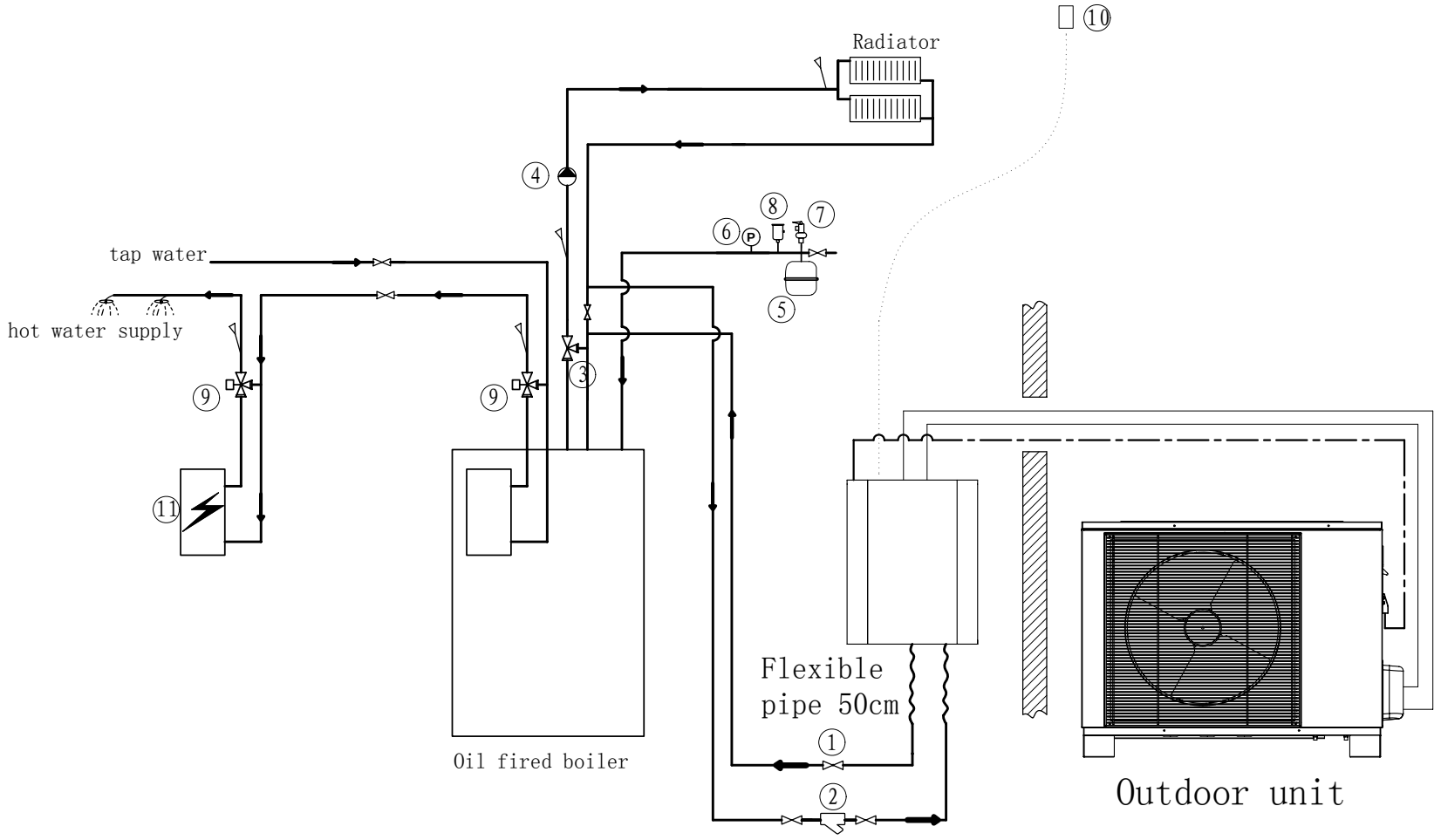
| Distribution system temperature definitions | |
|---|---|
| Low | 25-40℃ |
| Medium | 40-50℃ |
| High | 50-80℃ |




| No | Name | legend |
|---|---|---|
| 10 | ROOM SENSOR | |
| 9 | mixing valve | |
| 8 | automatic air valve | |
| 7 | T/P valve for solar system | |
| 6 | pressure gage | |
| 5 | expansion tank | |
| 4 | water pump | |
| 3 | 3-WAY SHUNT | |
| 2 | filter | |
| 1 | shutoff valve | |

# 3.2、AIR WATER +BOILER
# “MEDIUM”

| Distribution system temperature definitions | |
|---|---|
| Low | 25-40℃ |
| Medium | 40-50℃ |
| High | 50-80℃ |

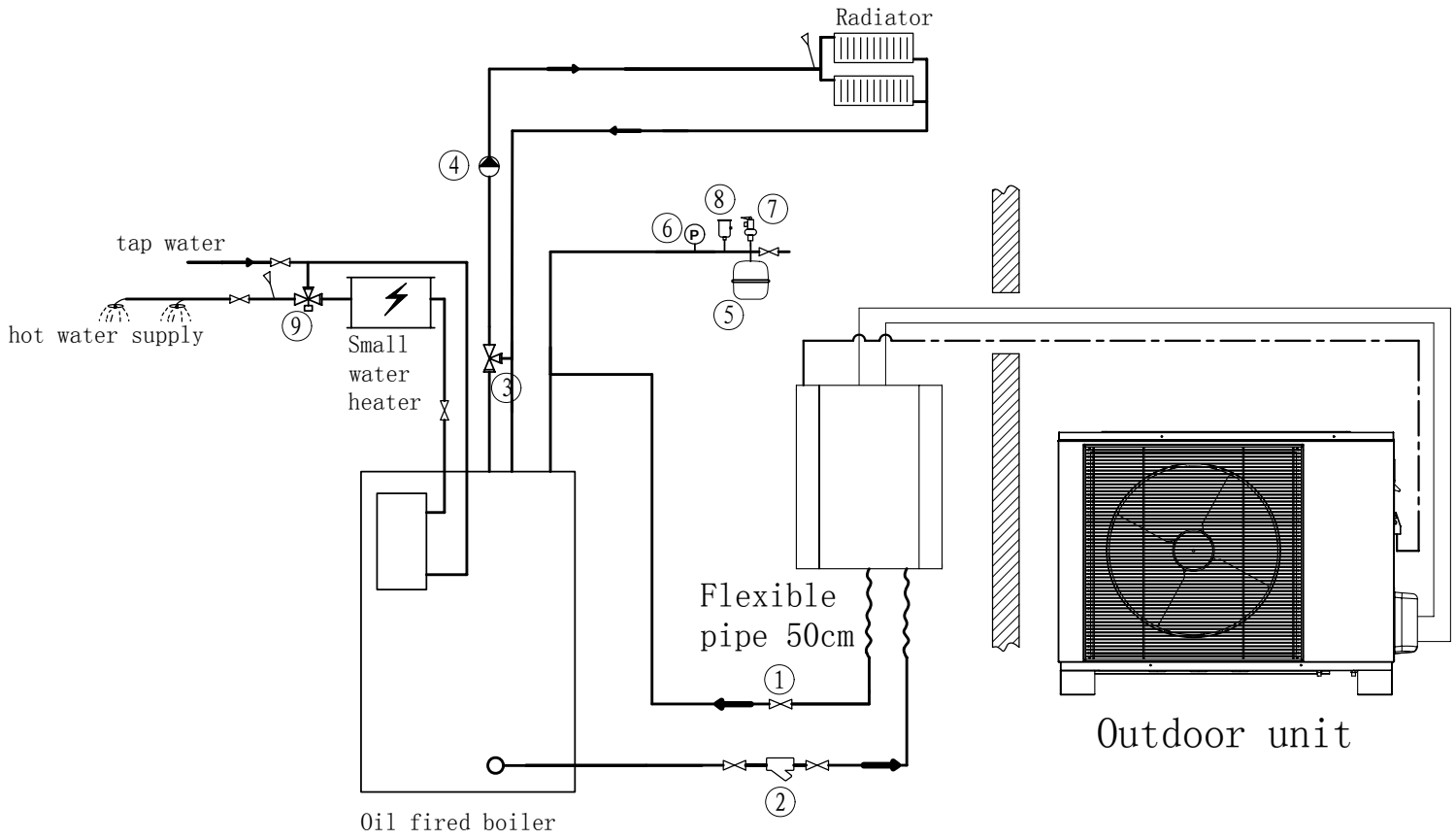



| No | Name | legend |
|---|---|---|
| 11 | ELECTRIC WATERHEATER | |
| 10 | ROOM SENSOR | |
| 9 | mixing valve | |
| 8 | automatic air valve | |
| 7 | T/P valve for solar system | |
| 6 | pressure gage | |
| 5 | expansion tank | |
| 4 | water pump | |
| 3 | 3-WAY SHUNT | |
| 2 | filter | |
| 1 | shutoff valve | |

# 4. AIR WATER + BOILER + SMALL WATER HEATER IN SERIES WITH THE OIL FIRED BOILER.

## “MEDIUM”

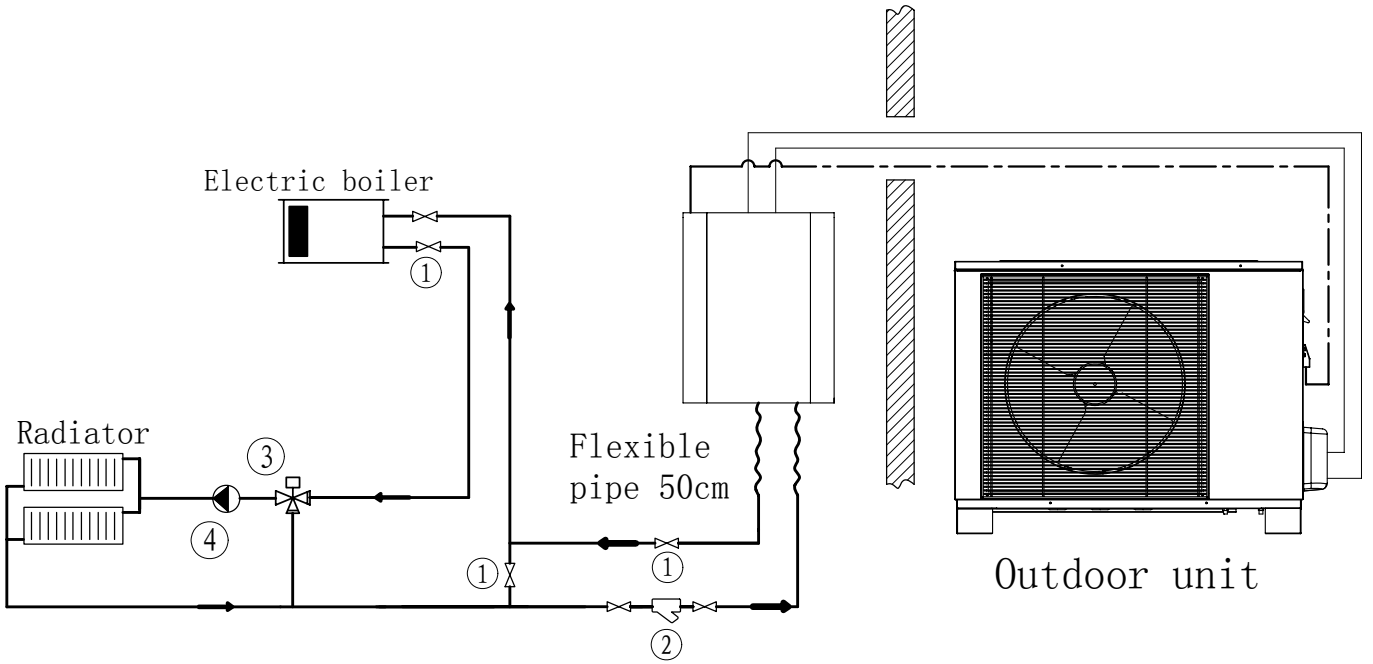
| Distribution system temperature definitions | |
|---|---|
| Low | 25-40℃ |
| Medium | 40-50℃ |
| High | 50-80℃ |




| No | Name | legend |
|---|---|---|
| 9 | mixing valve | |
| 8 | automatic air valve | |
| 7 | T/P valve for solar system | |
| 6 | pressure gage | |
| 5 | expansion tank | |
| 4 | water pump | |
| 3 | 3-WAY SHUNT | |
| 2 | filter | |
| 1 | shutoff valve | |

# 5.1 AIR WATER + ELECTRIC BOILER
# ( HEATING ONLY )
# “LOW/MEDIUM”

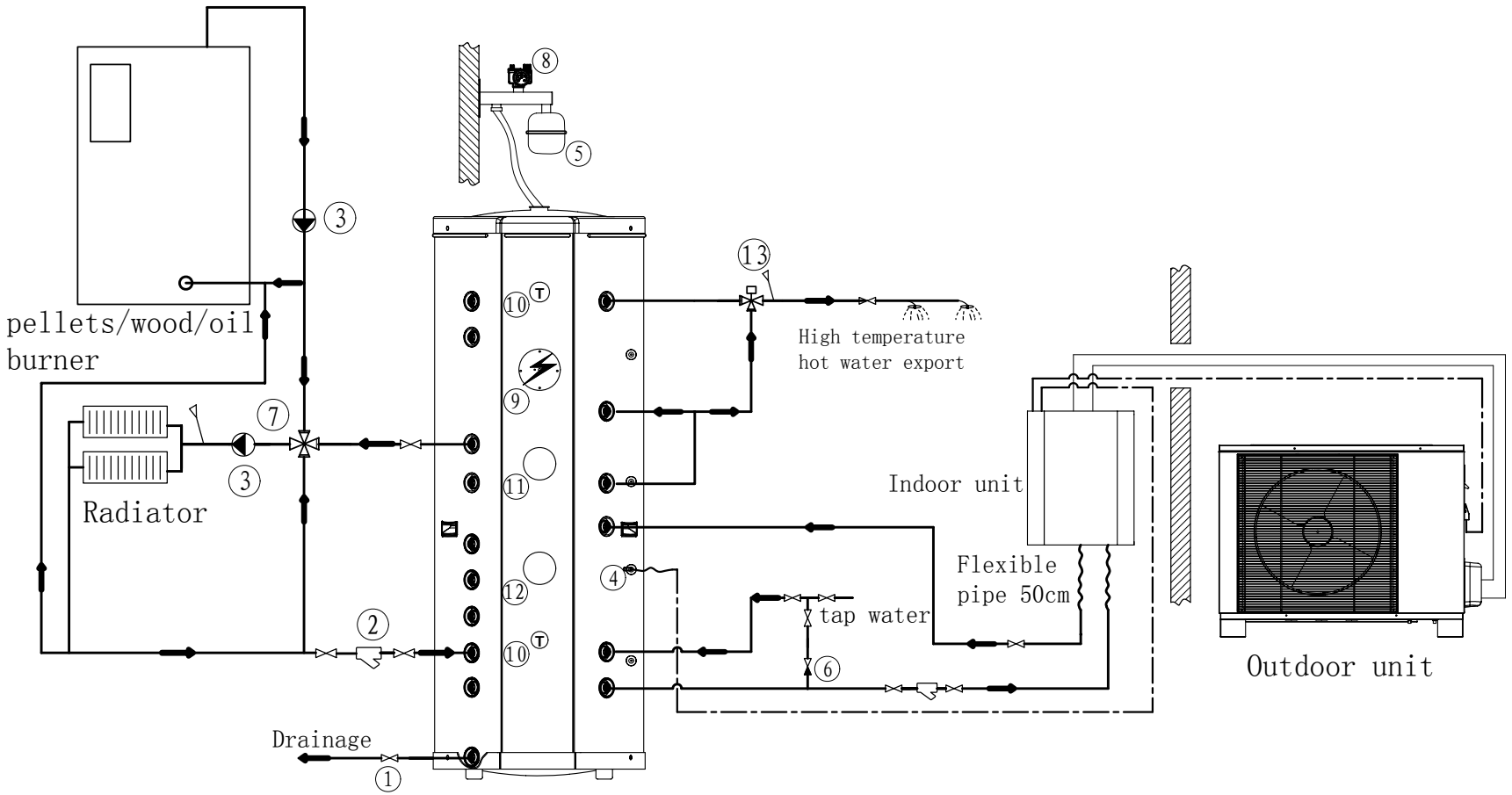
| Distribution system temperature definitions | |
|---|---|
| Low | 25-40℃ |
| Medium | 40-50℃ |
| High | 50-80℃ |




| No | Name | legend |
|---|---|---|
| 4 | water pump | |
| 3 | 3-WAY SHUNT | |
| 2 | filter | |
| 1 | shutoff valve | |

# 6.1 WW+MWT+OIL- 'High'

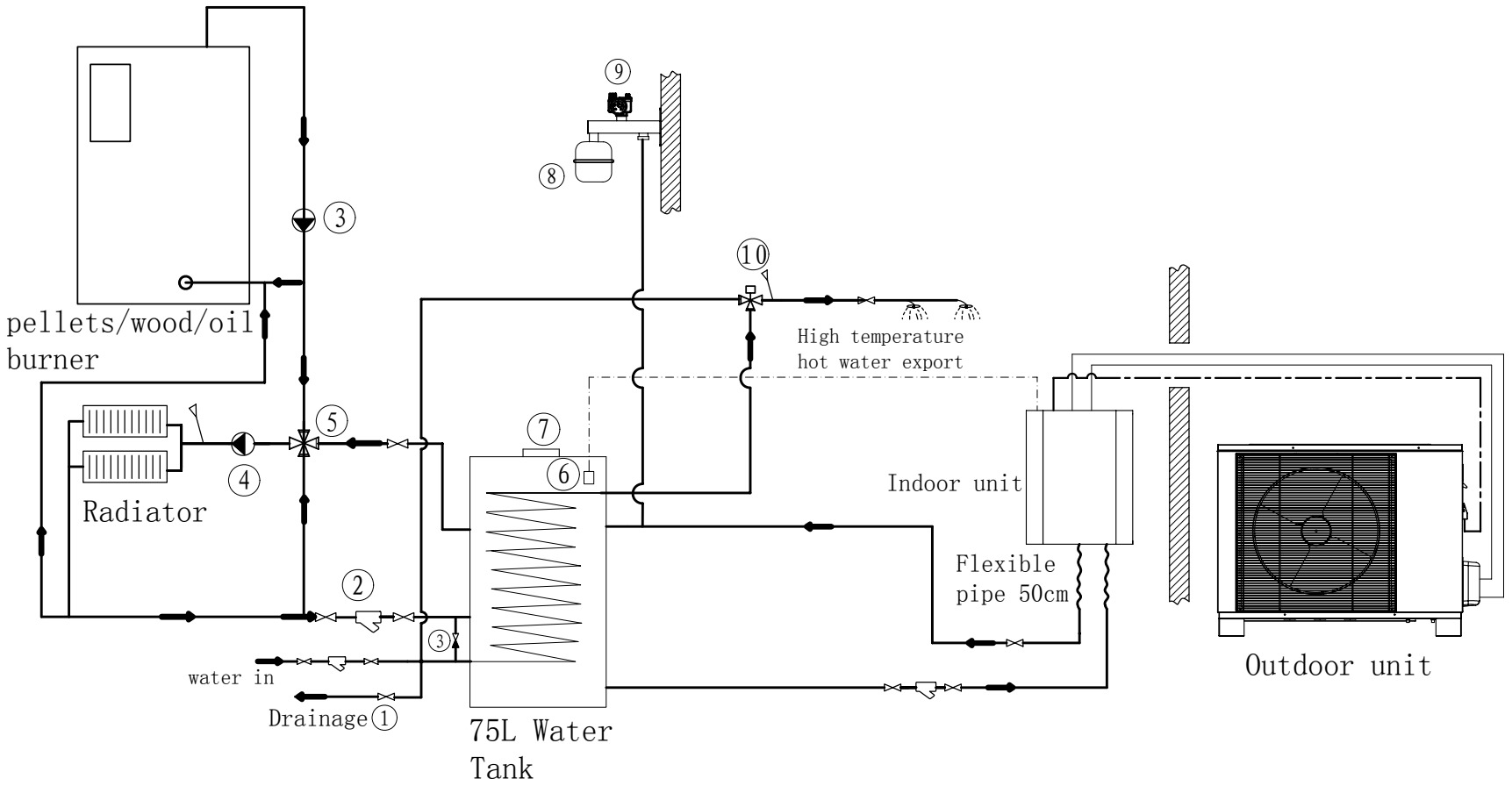
| Distribution system temperature definitions | |
|---|---|
| Low | 25-40℃ |
| Medium | 40-50℃ |
| High | 50-80℃ |




| No | Name | legend |
|---|---|---|
| 13 | mixing valve | |
| 12 | electric heater socket 2 | |
| 11 | electric heater socket 1 | |
| 10 | temperaturemeters | Ⓣ |
| 9 | 3KW heater | |
| 8 | safety valve | |
| 7 | Bivalent 4-WAY SHUNT | |
| 6 | non-return valve | |
| 5 | expansion tank | |
| 4 | sensor | |
| 3 | water pump | |
| 2 | filter | |
| 1 | shutoff valve | |

# 6.2 WW+BUFFER TANK+OIL- 'High'

| Distribution system temperature definitions | |
|---|---|
| Low | 25-40℃ |
| Medium | 40-50℃ |
| High | 50-80℃ |

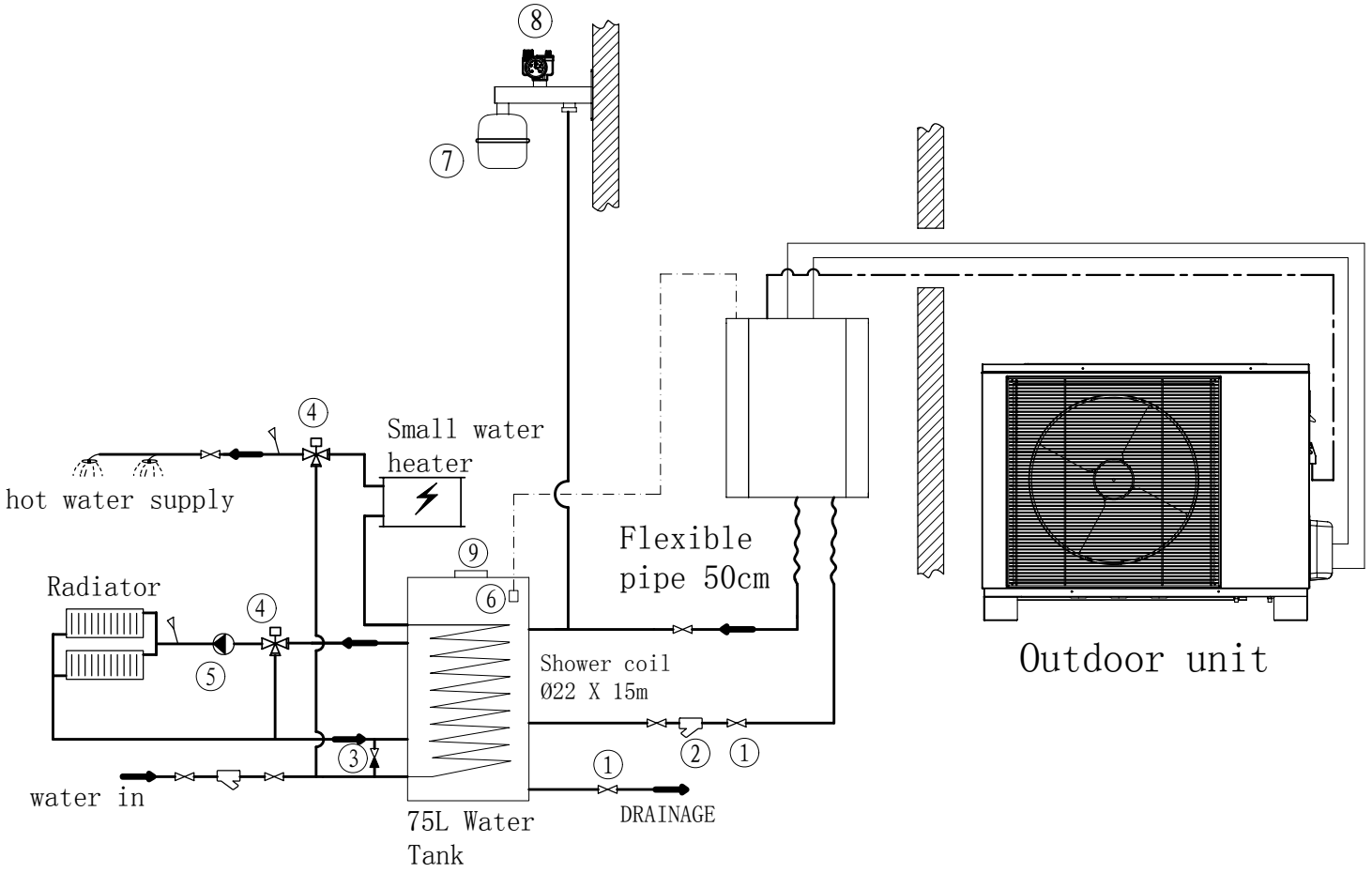



| No | Name | legend |
|---|---|---|
| 10 | mixing valve | |
| 9 | safety valve | |
| 8 | expansion tank | |
| 7 | ELECTRIC HEATER SOLUET | |
| 6 | sensor | |
| 5 | Bivalent 4-WAY SHUNT | |
| 4 | water pump | |
| 3 | non-return valve | |
| 2 | filter | |
| 1 | shutoff valve | |

# 7、AIR WATER + BUFFER TANK.

# “LOW/MEDIUM”

| Distribution system temperature definitions | |
|---|---|
| Low | 25-40℃ |
| Medium | 40-50℃ |
| High | 50-80℃ |




| No | Name | legend |
|---|---|---|
| 9 | ELECTRIC HEATER SOLUET | |
| 8 | safety valve kit | |
| 7 | expansion tank | |
| 6 | SENSOR | |
| 5 | water pump | |
| 4 | mixing valve | |
| 3 | non-return valve | |
| 2 | filter | |
| 1 | shutoff valve | |