










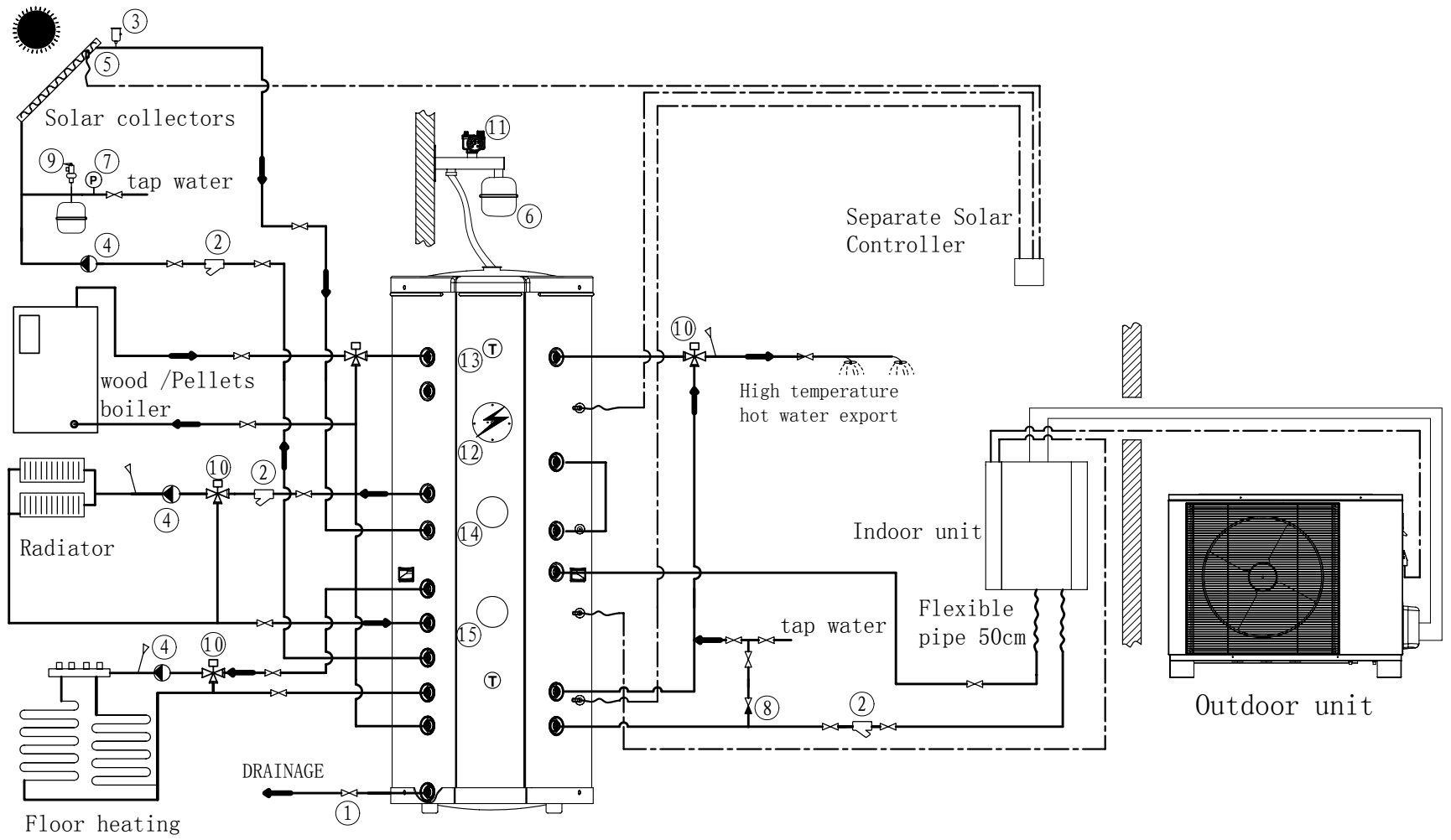


Total system graph 3

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












| | | |
|----|----------------------------|---|
| 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 |  |
| No | Name | legend |

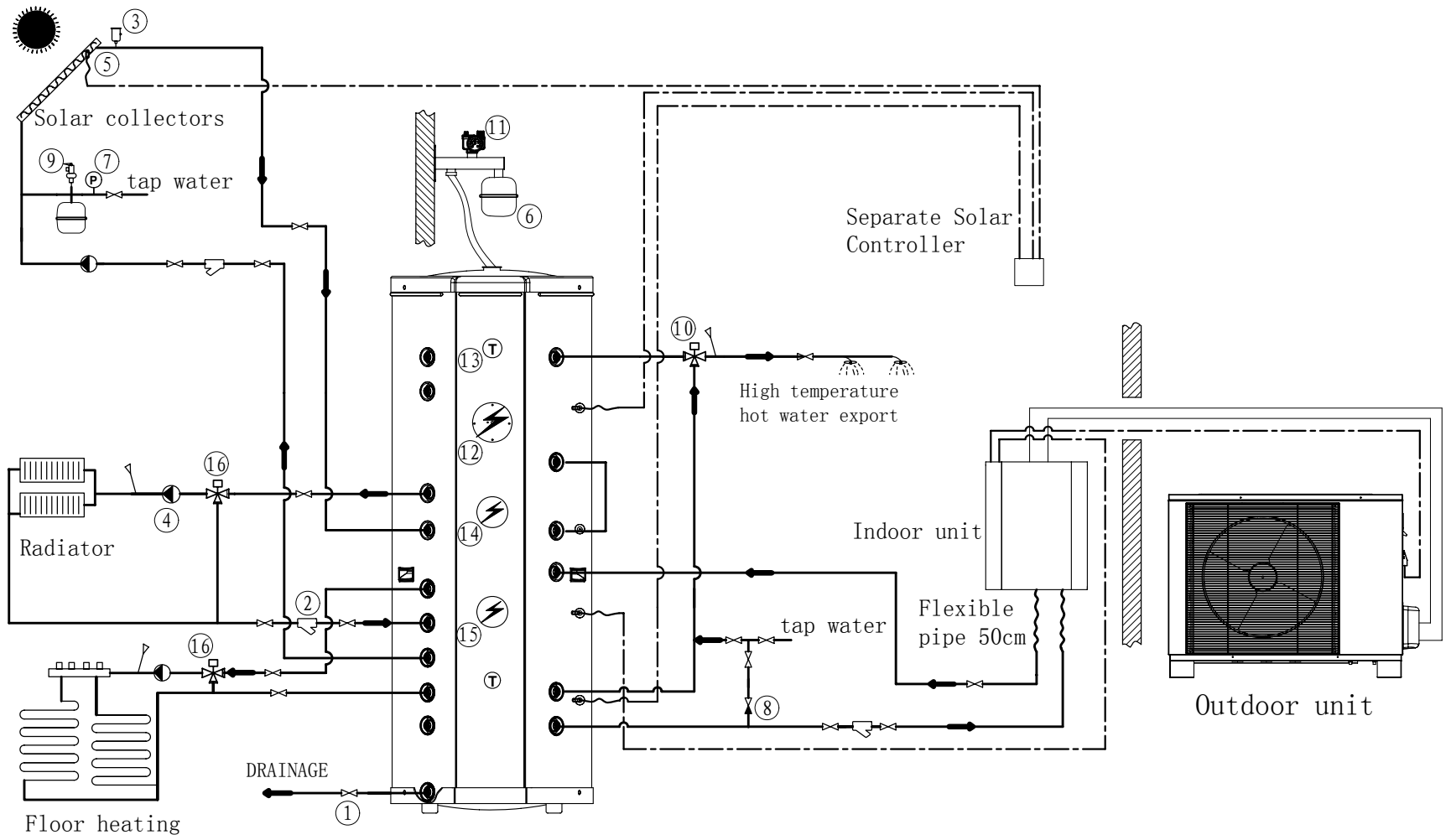


Total system graph 1

“LOW/MEDIUM”

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

| | | |
|----|----------------------------|---|
| 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 |  |
| No | Name | legend |

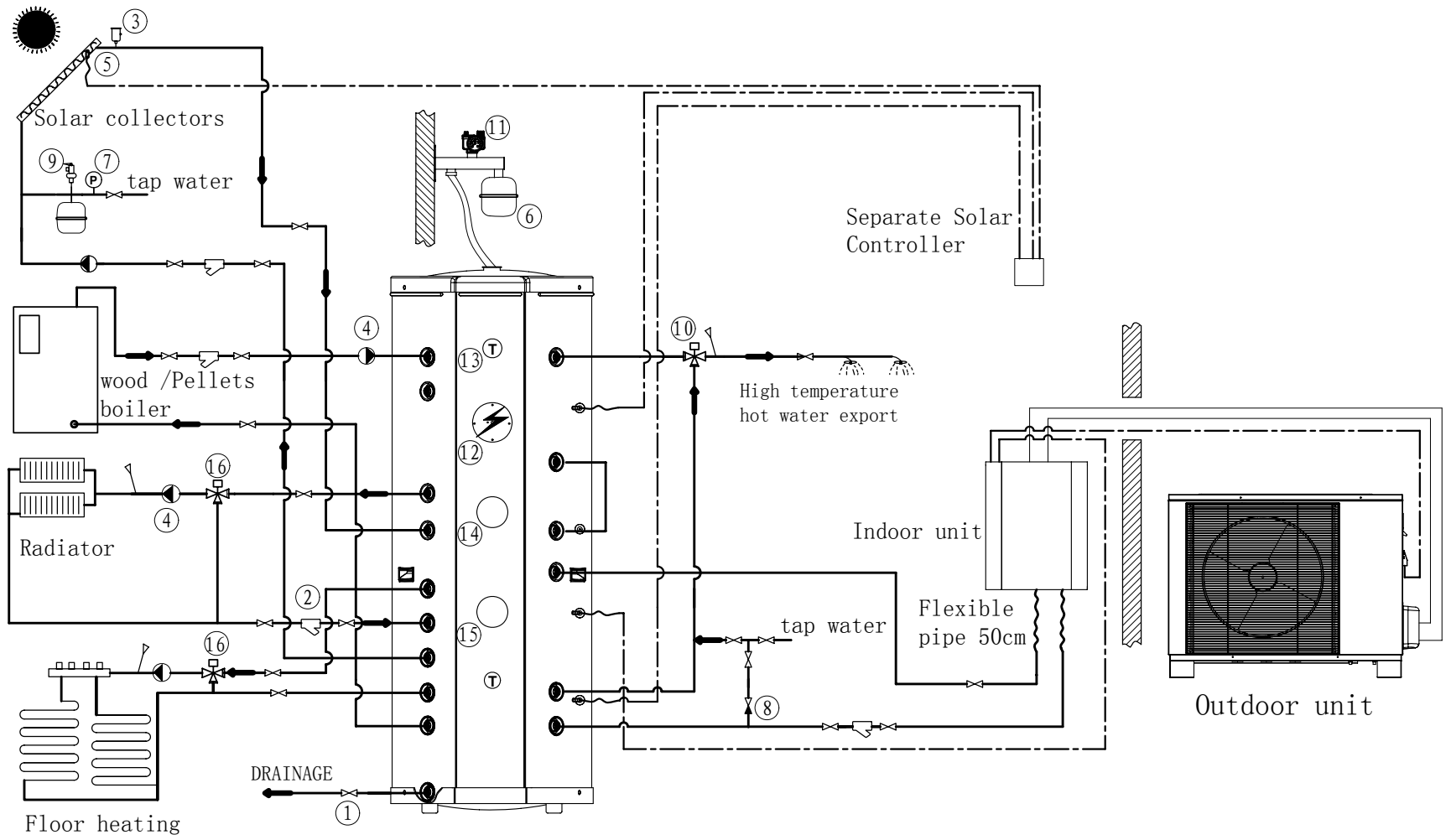


Total system graph 2

“LOW/MEDIUM”











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

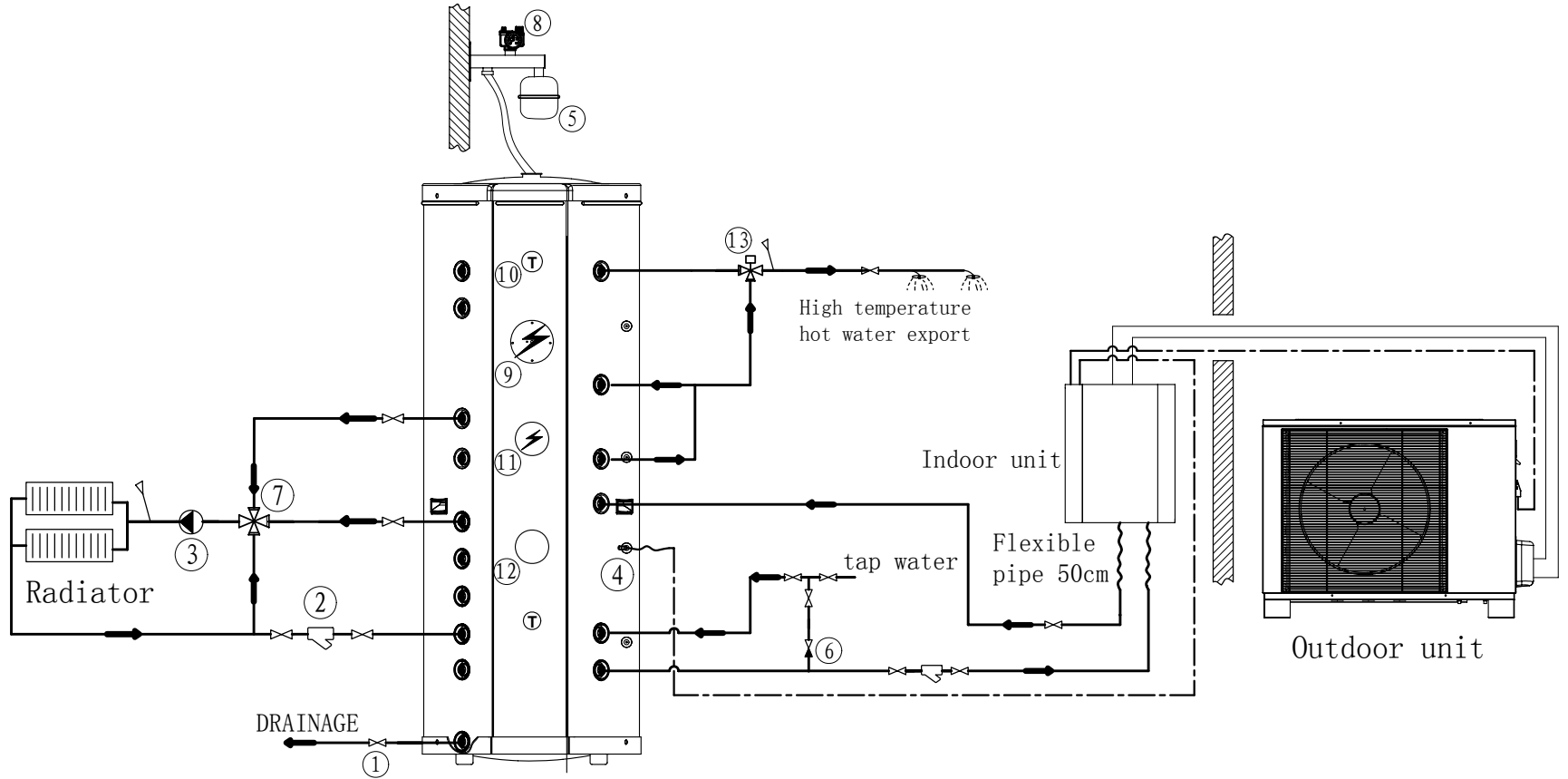
| | | |
|----|----------------------------|--------|
| 16 | 3-WAY SHUNT | |
| 15 | electric heater socket 2 | ‘ON’ |
| 14 | electric heater socket 1 | ‘ON’ |
| 13 | temperaturemeters | ⊕ |
| 12 | 3KW heater | |
| 11 | safety valve | |
| 10 | mixing valve | |
| 9 | T/P valve for solar system | |
| 8 |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



1.1 AIR WATER + MULTIFUNCTIONAL TANK. “HIGH”

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

| | | |
|----|--------------------------|---|
| 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 |  |
| No | Name | legend |

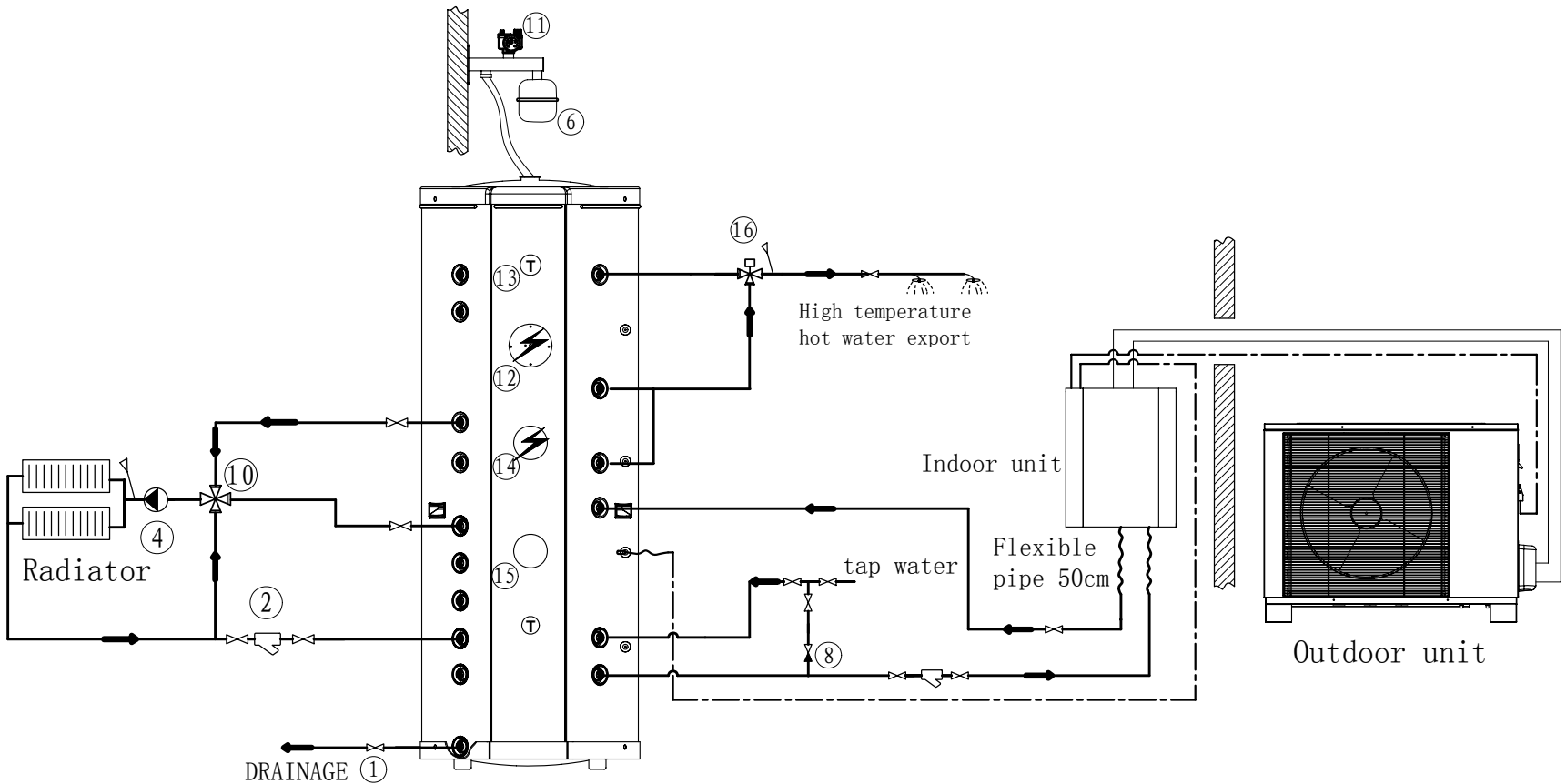


2.1 AIR WATER + MULTIFUNCTIONAL TANK + SOLAR COLLECTORS.

“HIGH”

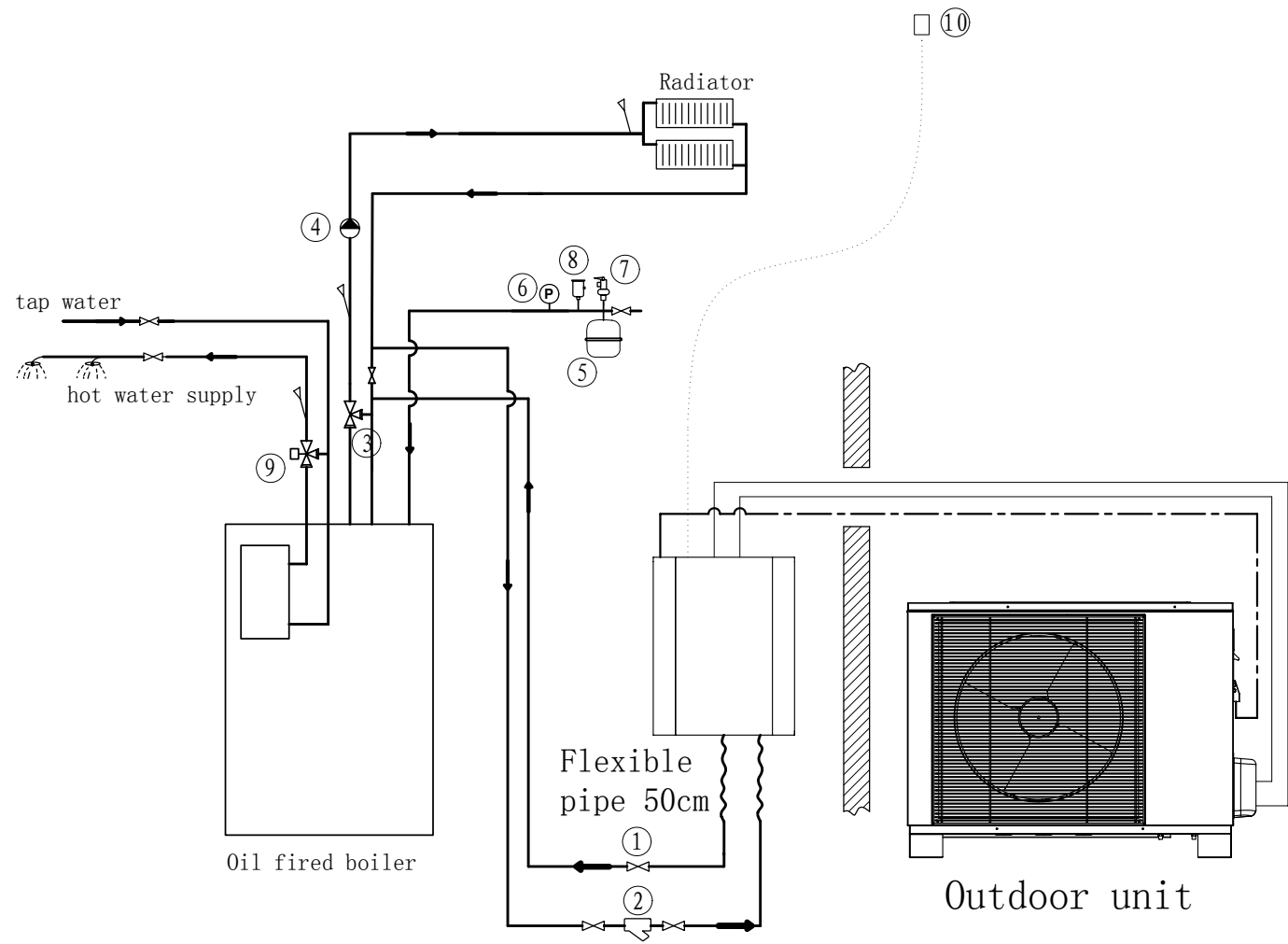
| Distribution system temperature definitions | |
|---|---------|
| Low | 25-40°C |
| Medium | 40-50°C |
| High | 50-80°C |

| | | |
|----|----------------------------|--------|
| 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 | |
| No | Name | legend |



3.1 AIR WATER +BOILER “HIGH”

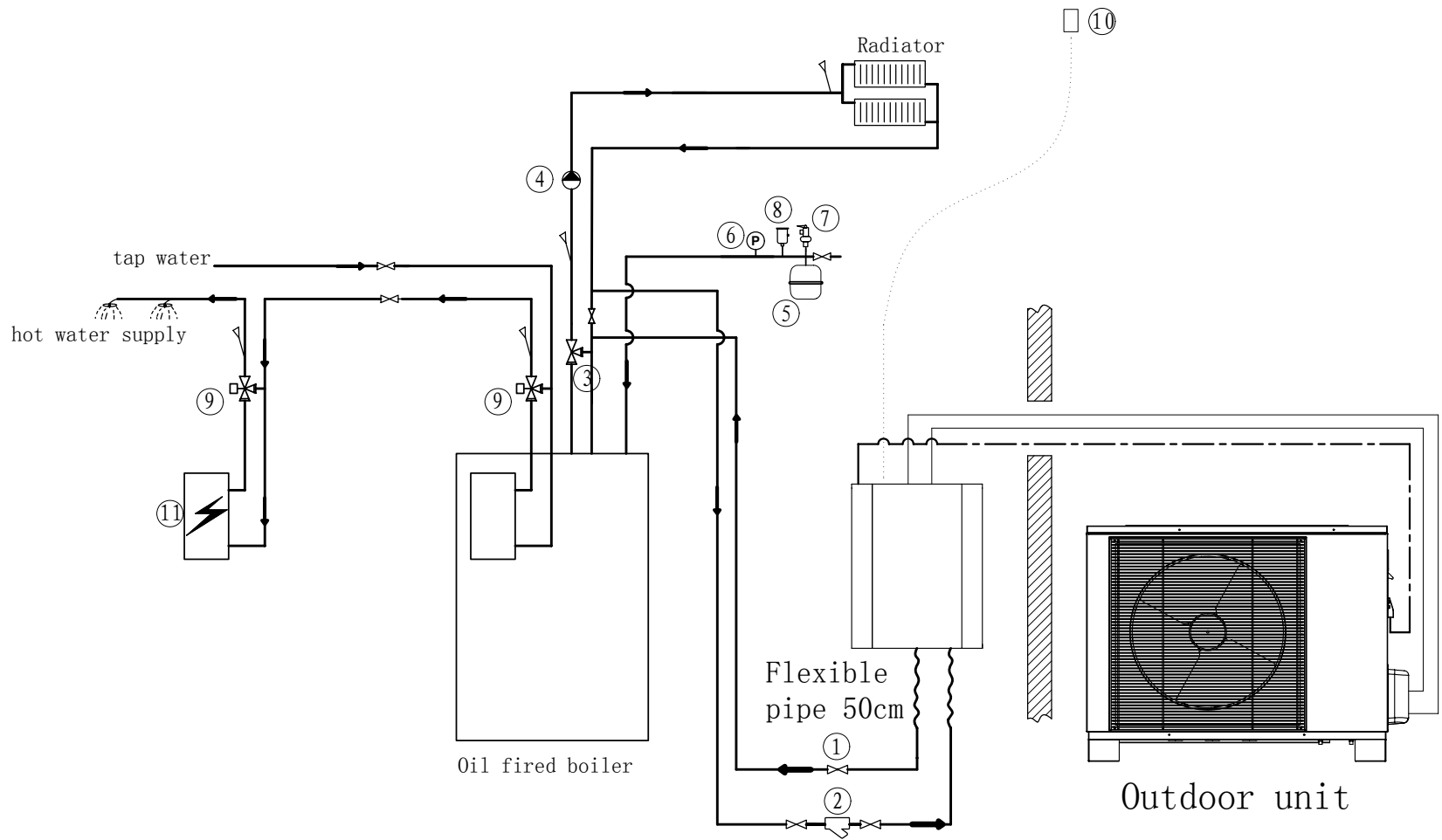
| Distribution system temperature definitions | |
|---|---------|
| Low | 25-40°C |
| Medium | 40-50°C |
| High | 50-80°C |



| | | |
|----|----------------------------|--------|
| 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 | |
| No | Name | legend |

3.2、AIR WATER +BOILER “MEDIUM”

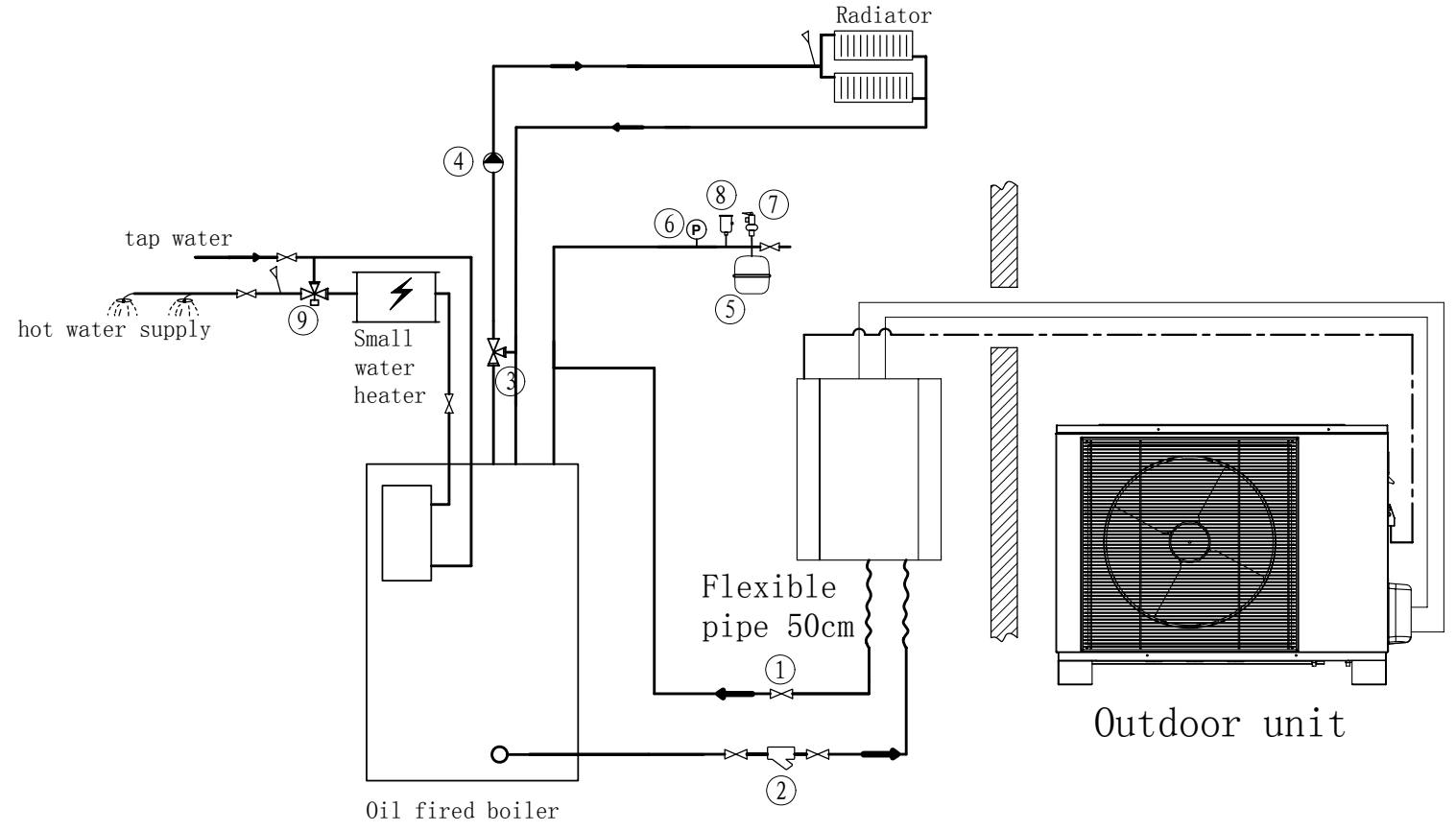
| Distribution system temperature definitions | |
|---|---------|
| Low | 25-40°C |
| Medium | 40-50°C |
| High | 50-80°C |



| | | |
|----|----------------------------|--------|
| 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 | |
| No | Name | legend |

4. AIR WATER + BOILER + SMALL WATER HEATER IN SERIES WITH THE OIL FIRED BOILER. “MEDIUM”

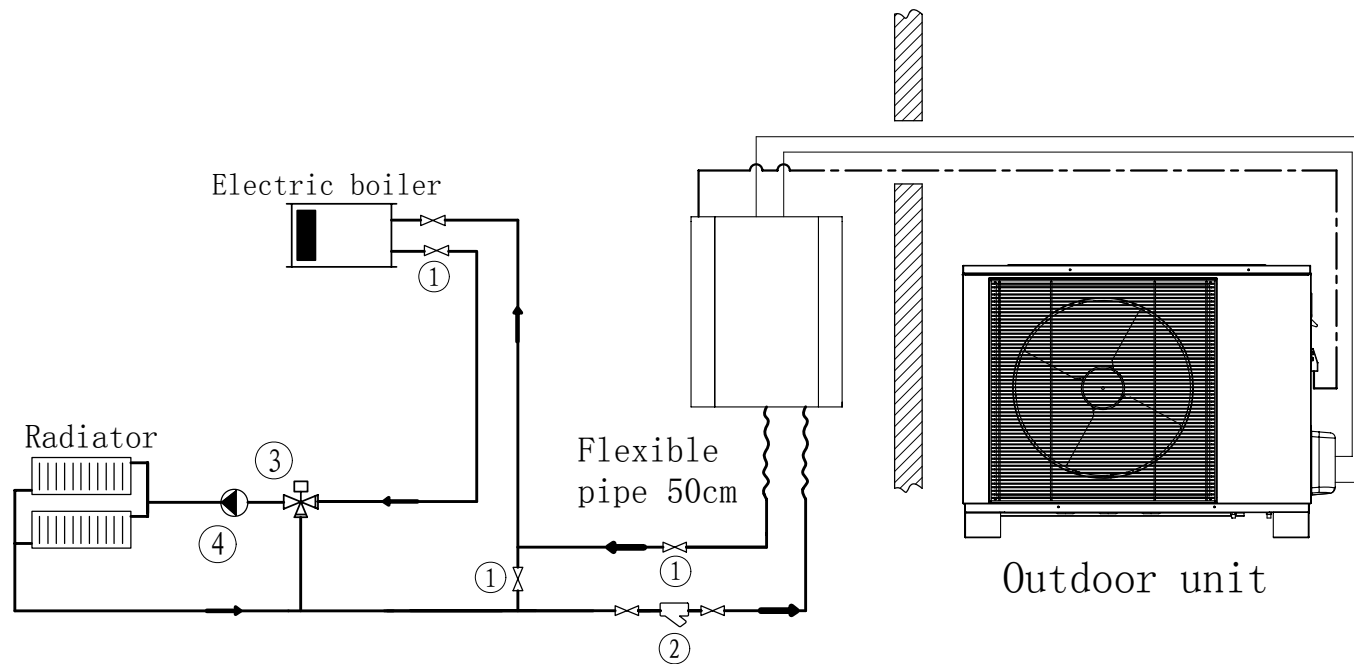
| Distribution system temperature definitions | |
|---|---------|
| Low | 25-40°C |
| Medium | 40-50°C |
| High | 50-80°C |



| | | |
|----|----------------------------|--------|
| 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 | |
| No | Name | legend |

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









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

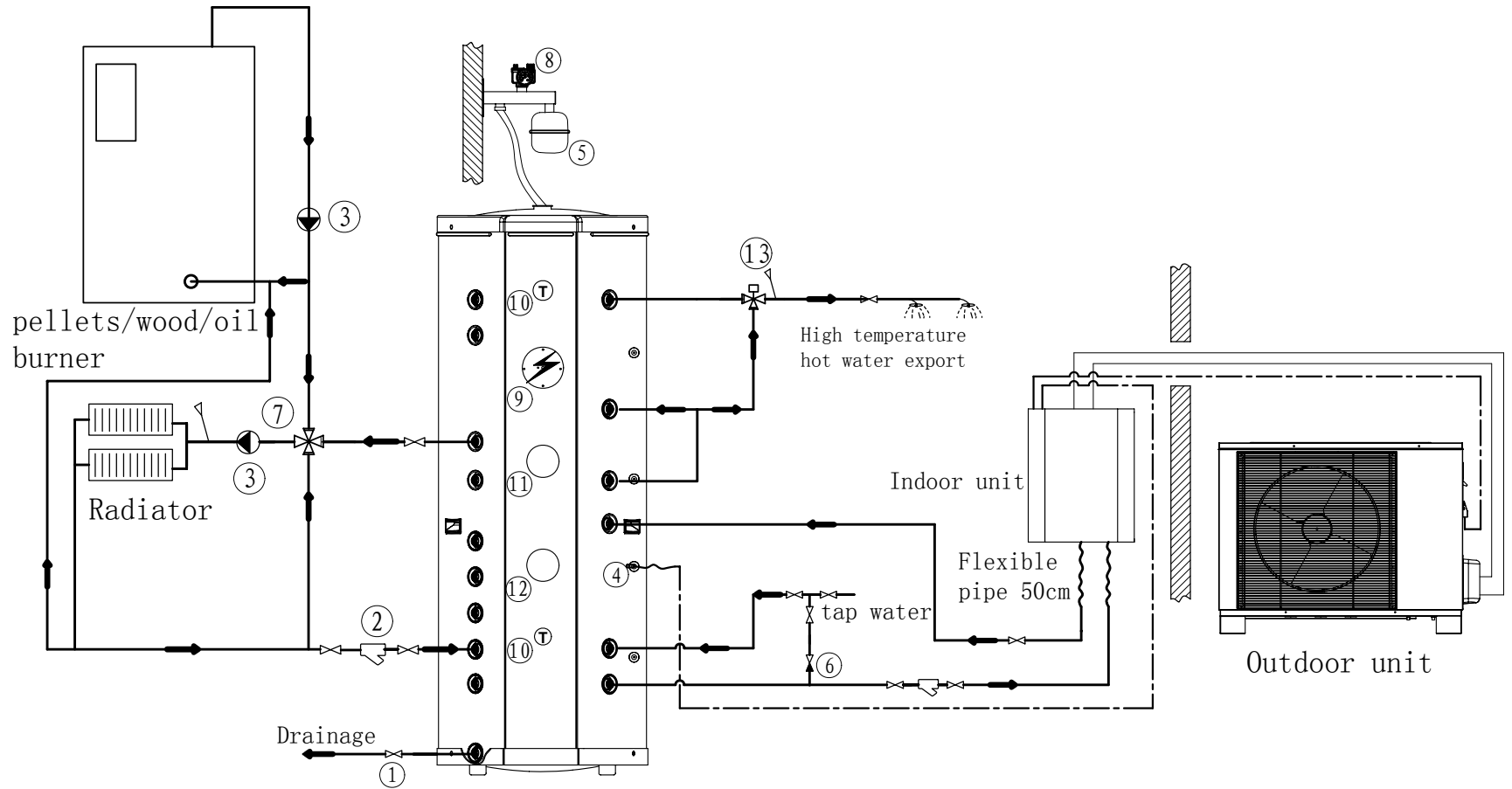


| | | |
|----|---------------|--------|
| 4 | water pump | |
| 3 | 3-WAY SHUNT | |
| 2 | filter | |
| 1 | shutoff valve | |
| No | Name | legend |

6.1 WW+MWT+OIL- 'High'

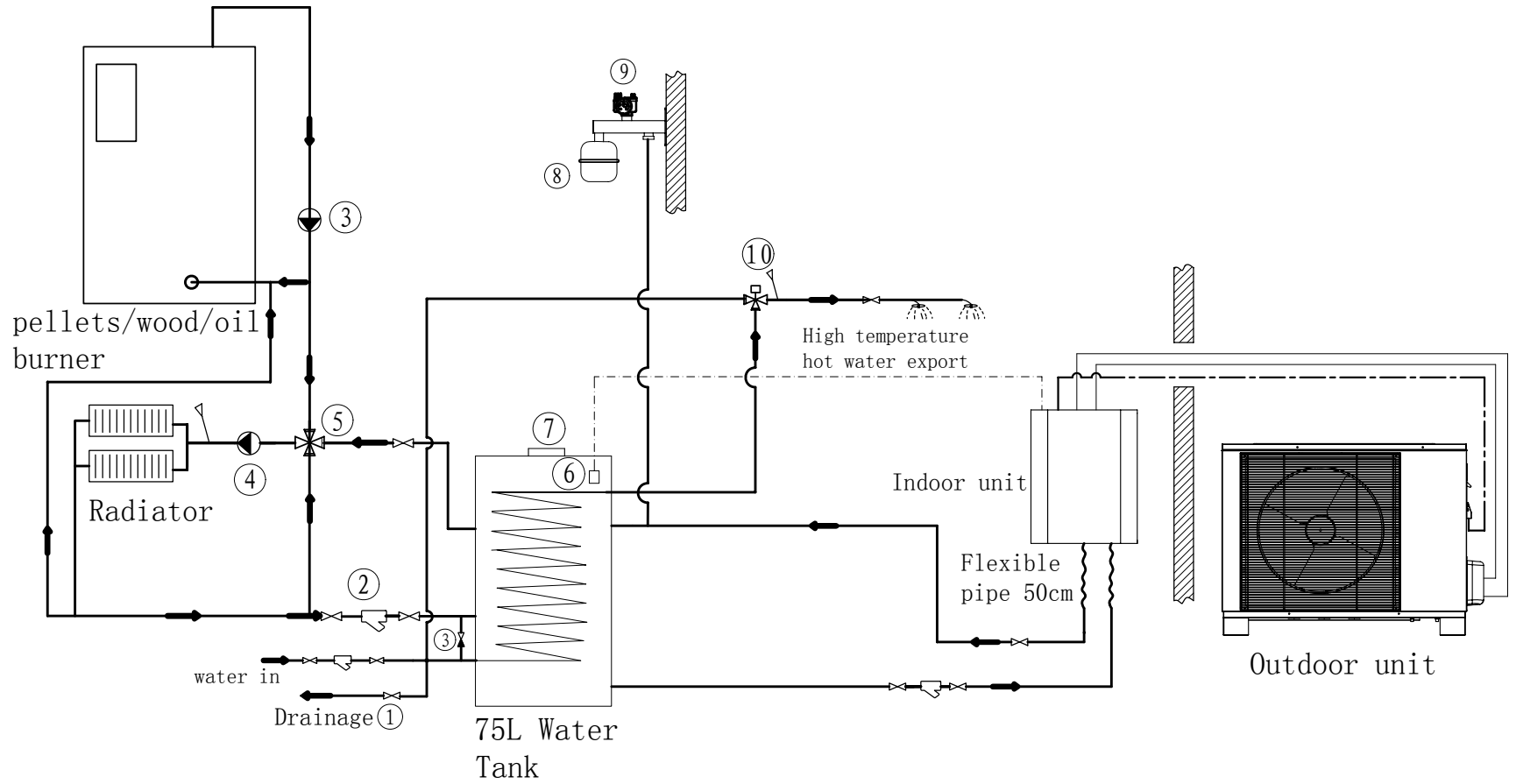
| Distribution system temperature definitions | |
|---|---------|
| Low | 25-40°C |
| Medium | 40-50°C |
| High | 50-80°C |

| | | |
|----|--------------------------|---|
| 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 |  |
| No | Name | legend |



6.2 WW+BUFFER TANK+OIL- 'High'

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

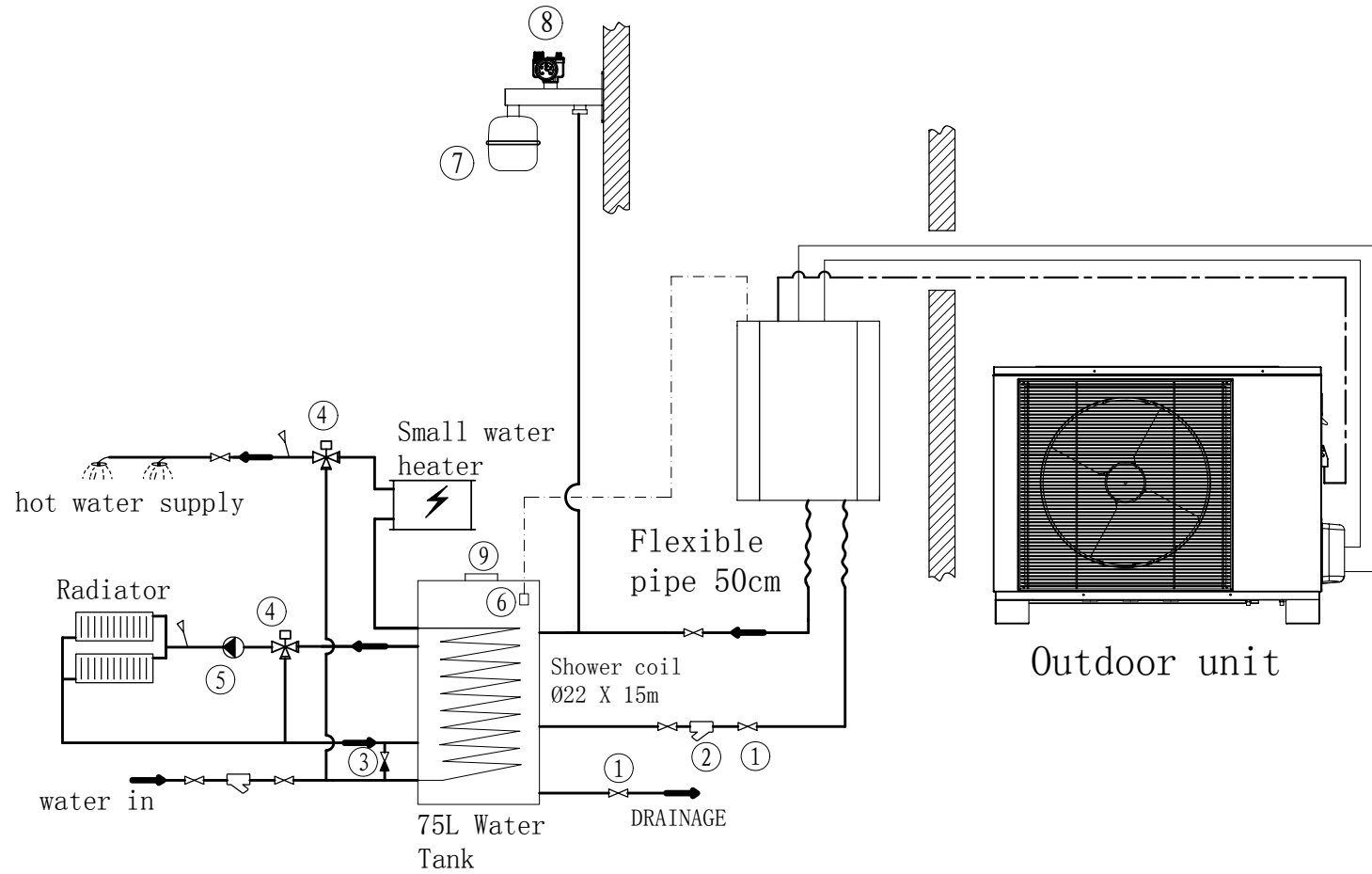









| | | |
|----|------------------------|--------|
| 10 | mixing valve | |
| 9 | safety valve | |
| 8 | expansion tank | |
| 7 | ELECTRIC HEATER SOLUET | |
| 6 | sensor | |
| 5 | Bivalent 4-WAY SHUNT | |
| 4 | water pump | |
| 3 | non-return valve | |
| 2 | filter | |
| 1 | shutoff valve | |
| No | Name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

7、AIR WATER + BUFFER TANK.

“LOW/MEDIUM”

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



| | | |
|----|------------------------|---|
| 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 |  |
| No | Name | legend |