WHAT IS CLAIMED IS:

1. A cooling system comprising:

One or more evaporators, each of the evaporators for evaporating a refrigerant and cooling an object to be cooled by heat exchange between the refrigerant and the object to be cooled;

a refrigerant-supply-flow-rate regulator for regulating a flow rate of the refrigerant to be supplied to each of the evaporators;

a post-cooling temperature measurement device for measuring a temperature of the object that is cooled by each of the evaporators through heat exchange with the refrigerant;

a condenser for condensing ~~the~~ a refrigerant~~,~~ evaporated by the evaporators~~,~~ by cooling the evaporated refrigerant through heat exchange between the evaporated refrigerant and a chilled water;

a refrigerant-temperature measurement device for measuring a temperature of the refrigerant condensed by the condenser; and

a chilled-water-flow-rate regulator for regulating a flow rate of the chilled water to be supplied to the condenser,

the refrigerant condensed by the condenser being ~~to be~~ pressurized to be supplied to all of the evaporators,

the chilled-water-flow-rate regulator ~~being~~ configured to regulate a flow rate of the chilled water~~,~~ to be supplied to the condenser ~~evaporator, for~~ in such a way that a temperature of the condensed refrigerant ~~condensed~~ is equal to ~~come to~~ a predetermined target refrigerant-liquid temperature, and

the refrigerant-supply-flow-rate regulator ~~being~~ configured to regulate the flow rate of the refrigerant~~,~~ to be supplied to each of the evaporators~~, for~~ in such a way that a temperature of the object cooled is equal to ~~come to~~ a predetermined target cooling temperature for each of the

evaporators,

the cooling system further comprising:

a refrigerant pump for pressurizing the refrigerant condensed by the condenser to be supplied to the evaporators;

a pressure-difference measurement device for measuring a pressure difference of the condensed refrigerant between a suction side and a discharge side of the refrigerant pump; and

a refrigerant pump controller configured to regulate a rotation frequency of the refrigerant pump in such a way that the pressure difference calculated based on a measurement value of the pressure difference measurement device is equal to a differential-pressure setting value.

2. The cooling system according to claim 1, further comprising a dew-point-temperature measurement device for measuring a dew-point temperature of air in a peripheral environment where the evaporators are arranged,

the chilled-water-flow-rate regulator ~~being~~ configured to regulate a flow rate of the chilled water to be supplied to the condenser in such a way that ~~for~~ a temperature of the condensed refrigerant ~~condensed~~ is equal to ~~come to~~ or higher than the dew-point temperature ~~or more, upon~~ if the target refrigerant-liquid temperature ~~being~~ is lower than the dew-point temperature measured by the dew-point temperature measurement device.

~~3. The cooling system according to claim 1, further comprising:~~

~~a refrigerant pump for pressuring the refrigerant, condensed by the condenser, to be supplied to the evaporator;~~

~~a pressure-difference measurement device for measuring a pressure difference between a suction side and a discharge side of the refrigerant pump; and~~

~~a refrigerant pump controller for regulating a rotation frequency of the refrigerant pump for the pressure difference, calculated based on a measurement value of the pressure difference measurement device, to come to a predetermined differential-pressure setting value.~~

~~4.~~3. The cooling system according to claim ~~3~~1,

the pressure difference measurement device comprising: an outlet-side pressure gauge for measuring a pressure of the condensed refrigerant at a discharge side of the refrigerant pump; and a refrigerant-temperature measurement device provided at a suction side of the refrigerant pump,

the refrigerant-pump controller ~~being~~ configured to calculate a pressure of the condensed refrigerant at the suction side of the refrigerant pump based on a measurement value by the refrigerant-temperature~~,~~ and to calculate a pressure of the condensed refrigerant at the discharge side of the refrigerant pump based on a measurement value by the outlet-side pressure gauge, and

the refrigerant-pump controller ~~being~~ configured to determine, as said pressure difference, a pressure difference between the condensed refrigerant at the suction side of the refrigerant pump and the condensed refrigerant at the discharge side of the refrigerant pump.

~~5.~~4. The cooling system according to claim 1,

the cooling system including the condenser at a first side; and the evaporators at a second side,

the first side ~~being~~ serving as a refrigerant natural-circulation type configured in such a manner that the first side is disposed to be higher than the second side, the refrigerant condensed at the first side is sent to the second side through a refrigerant pipe, and the refrigerant condensed by the condenser is made naturally drop in the refrigerant pipe to be pressurized for being supplied to the evaporators.

~~6.~~5. A method for controlling a cooling system, comprising:

providing one or more evaporators~~;~~,

~~each of the evaporators for~~ evaporating, by each of the evaporators, a refrigerant to cool an object to be cooled by heat exchange between the refrigerant and the object to be cooled;

~~providing a refrigerant-supply-flow-rate regulator for~~ regulating, by a

refrigerant-supply-flow-rate regulator, a flow rate of the refrigerant to be supplied to each of the evaporators;

~~providing a post-cooling-temperature measurement device for~~ measuring, by a post-cooling-temperature measurement device,

a temperature of the object that is cooled by each of the evaporators through heat exchange with the refrigerant;

~~providing a condenser for~~ condensing, by a condenser, a ~~the~~ refrigerant, evaporated by the evaporators, by cooling the evaporated refrigerant through heat exchange between the evaporated refrigerant and a chilled water;

~~providing a refrigerant temperature measurement device for~~ measuring, by a refrigerant temperature measurement, a temperature of the refrigerant condensed by the condenser; ~~and~~

~~providing a chilled-water-flow-rate regulator for~~ regulating, by a chilled-water-flow-rate regulator, a flow rate of the chilled water to be supplied to the condenser;~~,~~

pressurizing, by a refrigerant pump, the refrigerant~~,~~ condensed by the condenser~~,~~ to be supplied to all of the evaporators;

regulating, by the chilled-water-flow-rate regulator, a flow rate of the chilled water~~,~~ to be supplied to the condenser~~,~~ in such a way that ~~for~~ a temperature of the condensed refrigerant ~~condensed~~ is equal to ~~come to~~ a predetermined target refrigerant-liquid temperature; ~~and~~

regulating, by the refrigerant-supply flow-rate regulator, a flow rate of the refrigerant for each of the evaporators in such a way that~~for~~ a temperature of the object cooled is equal to ~~come to~~ a predetermined target cooling temperature for each of the evaporators;~~,~~

measuring, by a pressure-difference measurement device, a pressure difference of the condensed refrigerant between a suction side and a discharge side of the refrigerant pump; and

regulating, by a refrigerant pump controller, a rotation frequency of the refrigerant pump in such a way that the pressure difference calculated

based on a measurement value of the pressure difference measurement device is equal to a differential-pressure setting value

~~7.~~6. A cooling system comprising:

an evaporator for evaporating a refrigerant by heat exchange between the refrigerant and an object for being cooled;

a refrigerant-supply-flow-rate regulator for regulating a flow rate of the refrigerant to be supplied to the evaporator;

a post-cooling temperature measurement device for measuring a temperature of the object cooled by the evaporator;

a condenser for condensing the refrigerant~~,~~ evaporated by the evaporator~~,~~ by cooling the evaporated refrigerant through heat exchange between the evaporated refrigerant and a chilled fluid;

a refrigerant temperature measurement device for measuring a temperature of the refrigerant condensed by the condenser; and

a chilled-fluid-flow-rate regulator for regulating a flow rate of the chilled fluid to be supplied to the condenser,

the refrigerant~~,~~ condensed by the condenser~~,~~ being ~~to be~~ pressurized to be supplied to the evaporator,

the chilled-fluid-flow-rate regulator ~~being~~ configured to regulate a flow rate of the fluid~~,~~ to be supplied to the ~~evaporator,~~condenser in such a way that ~~for~~ a temperature of the condensed refrigerant ~~condensed~~ is equal to ~~come to~~ a predetermined target refrigerant-liquid temperature, and

the refrigerant-supply-flow-rate regulator ~~being~~ configured to regulate the flow rate of the refrigerant~~,~~ to be supplied to the evaporator~~,~~ in such a way that ~~for~~ a temperature of the object cooled is equal to ~~come to~~ a predetermined target cooling temperature,

the cooling system further comprising:

a refrigerant pump for pressurizing the refrigerant condensed by the condenser to be supplied to the evaporator;

a pressure-difference measurement device for measuring a pressure difference of the condensed refrigerant between a suction side and a discharge side of the refrigerant pump; and

a refrigerant pump controller configured to regulate a rotation frequency of the refrigerant pump in such a way that the pressure difference calculated based on a measurement value of the pressure difference measurement device is equal to a differential-pressure setting value.