

CONSTANT TEMPERATURE WATER SUPPLY APPARATUS

ABSTRACT OF THE DISCLOSURE

A constant temperature water supply apparatus includes a temperature adjustment unit that circulates cooling water and adjusts the temperature of a spindle unit of a processing apparatus and a processing water temperature adjustment unit. The temperature adjustment unit includes a pump that sends the cooling water to the spindle unit, a cooling water cooling unit, a first pipe that connects the pump and the cooling unit, a second pipe that connects the cooling unit and the spindle unit, and a third pipe that connects the spindle unit and the pump. The processing water temperature adjustment unit includes a processing water pipe that has one end connected to a water source and supplies processing water from the other end side to a processing tool and a heat exchange unit on the processing water pipe.

[FIGURE 1]