

ABSTRACT

VACUUM PUMP AND CONTROL DEVICE

5 There are provided a vacuum pump and a control device which reduce costs and
save space by performing, on a pump side, heater control of a pipe which is performed for
suppressing precipitation of a deposit from a process gas and cooling control of a deposit trap
in which removal of the deposit is performed, and implement energy saving by performing the
heater control and the cooling control corresponding to a situation of the process gas. A
10 temperature sensor is disposed on an outer periphery or an inner periphery of an introduction
pipe 3H, and temperature information 31 detected by the temperature sensor is input to a
control device 200. Temperature information 33 detected from the inside of a deposit trap 7
is also input to the control device 200. In the control device 200, ON/OFF control is
performed on a heater 4B such that a temperature of the introduction pipe 3H has a
15 predetermined temperature value, based on the input temperature information 31. In the
control device 200, opening/closing control is performed on a valve 13 such that an internal
temperature of the deposit trap 7 has a predetermined cooling temperature value, based on the
input temperature information 33.

Figure 2