

ABSTRACT**HEATING PIPING DEVICE FOR INTRODUCING HEATED
FLUID INTO A PIPING SYSTEM**

A heating piping device for heating a fluid provided from the gas reservoir unit and
5 introducing the heated fluid into a piping system includes at least one heating unit and a
control module. The heating unit includes a mounting cylinder defining a heating space
therein, a spiral channel in fluid communication with the gas reservoir unit, a heater
member for heating the fluid in the spiral channel into the heated fluid, a flow control
valve and a check valve. The control module controls the amount of the fluid flowing into
10 the spiral channel, and the temperature of the heater member. The temperature of the
heater member and the amount of the fluid can be adjusted to meet different
manufacturing requirements. Unnecessary energy and flow consumption is avoided.

(FIG. 1 is suggested for publication)