

ABSTRACT

METHOD OF REMOVING MOISTURE IN GAS SUPPLY SYSTEM

5 A method of removing moisture efficiently in the gas supply system by
evacuation at normal temperature without using the baking method. The method
involves flowing a gas to remove moisture in the gas supply system with the flow
pressure of the gas to remove moisture set at not lower than a minimum pressure at
which the gas flow becomes viscous and not higher than a water saturated vapor
10 pressure at a flow temperature of the gas to remove moisture. The gas to remove
moisture achieves a viscous flow when a mean free path of gas molecules is smaller
than a diameter of piping of the gas supply system. If the gas for removing moisture is
evacuated at normal temperature under such conditions, the adsorbed moisture on an
inside surface of the piping and in the valves and filters can be removed effectively.

15

(Figure 1)