ABSTRACT

A heat treatment method according to the present invention comprises the steps of: loading into a processing vessel a holder vertically holding a plurality of objects to be processed; and heating the objects to be processed by heating means to carry out a predetermined heat treatment. Before the objects to be processed are subjected to a heat treatment, a predetermined target heat generation amount of heating means is obtained, at which the objects to be processed should be subjected to a heat treatment. A heat treatment apparatus according to the present invention includes a processing vessel, a first temperature sensor for controlling a temperature, and a second temperature sensor for correcting a temperature. The first and second temperature sensors are disposed in the processing vessel. The second temperature sensor has a straight, vertically extending protective tube body, and a plurality of branch tubes horizontally extending from the protective tube body. Thermo-couples are provided within the respective branch tubes which are interposed between the objects to be processed at different vertical levels.