WHAT IS CLAIMED IS:

1. An assembly method of an explosion proof valve for a gas container, wherein the explosion proof valve comprises: a main housing which consists of the elbow shaped vertical portion having an inner space and a horizontal portion extending horizontally from a lower end of the vertical portion; and a sub housing connected to the main housing via a connection rib so as to be parallel to the vertical portion, the sub housing internally defining an overpressure gas flow path for discharge of overpressure gas, a lower end of the sub housing being configured to communicate with the horizontal portion of the main housing through an overpressure gas inlet hole of the horizontal portion, the assembly method comprising:

inserting a valve stem assembly into the vertical portion of the main housing;

inserting a safety valve into the sub housing;

positioning the sub housing such that the center of the sub housing is located on an imaginary line that interconnects the center of a fitting recess and the center of a notch of a mounting cap;

press-fitting the vertical portion of the main housing into the fixing recess of the mounting cap; and

securing the mounting cap to the vertical portion by

compressing an outer circumference of the fitting recess using crimping means including a plurality of pneumatically operated arms.

wherein the insertion of the safety valve into the sub housing includes:

inserting an opening/closing member used to open or close the overpressure gas inlet hole into the sub housing and inserting a compression spring so as to be seated over the opening/closing member;

inserting a compression spring fixing plate having a center hole onto the compression spring such that the compression spring fixing plate, an outer diameter of which is greater than an inner diameter of the sub housing within all allowable tolerance range, is fixedly press-fitted to an inner surface of the sub housing until elastic force of the compression spring reaches a predetermined reference value; and

inserting an airtight gasket onto the sub housing.

2. The assembly method according to claim 1, wherein the insertion of the valve stem assembly includes:

placing a spring below a valve stem;

locating an inner circumference of an opening/closing seal over an orifice of the valve stem to complete the valve stem assembly; and

inserting the resulting valve stem assembly into the main housing.

~~3. The assembly method according to claim 1, wherein the insertion of the safety valve into the sub housing includes:~~

~~inserting an opening/closing member used to open or close the overpressure gas inlet hole into the sub housing and inserting a compression spring so as to be seated over the opening/closing member;~~

~~inserting a compression spring fixing plate having a center hole onto the compression spring such that the compression spring fixing plate, an outer diameter of which is greater than an inner diameter of the sub housing within an allowable tolerance range, is fixedly press-fitted to an~~

~~inner surface of the sub housing until elastic force of the compression spring reaches a predetermined reference value; and~~

~~inserting an airtight gasket onto the sub housing.~~

3.~~4.~~ The assembly method according to claim 1, wherein the press-fitting of the vertical portion of the main housing into the fitting recess of the mounting cap includes:

inserting an upper end of the main housing into the fitting recess of the mounting cap to allow a valve stem to protrude from a through-hole of an opening/closing seal; and

inserting an airtight gasket between an overpressure gas discharge hole of the mounting cap and the sub housing.

4.~~5.~~ The assembly method according to claim 1, wherein the securing of the mounting cap to the vertical portion includes compressively securing an inner circumference of the fitting recess of the mounting cap to an upper recessed portion of the vertical portion by compressing the outer circumference of the fitting recess using the crimping means.

~~6. An explosion proof valve for a gas container assembled by the assembly method according to any one of~~

~~claims 1 to 5.~~