Claims

1. A gas distribution installation comprising:

- a housing suitable for receiving at least one gas cylinder and having a gas input opening and a gas output opening;

- a system of gas ducts arranged in said housing to which said at least one gas cylinder is connected;

- a gas distribution system linked to said output opening allowing an equipment item to be supplied,

characterized in that it comprises at least one communication port and a programmable logic controller, said logic controller being provided with a processor capable of processing data originating at least partly from a portable data storage and processing system distinct from the installation and characterized in that the data originating at least partly from a portable data storage and processing system distinct from the installation are used to manage control and/or maintenance parameters of said gas distribution system such as:

- the opening or the closing of valves included in said system of ducts,
- the launching of a bleed cycle,
- gas distribution,
- the management of the pressure and/or of the temperature of said gas distribution system,
- the heating of said at least one gas cylinder,

the installation further comprising a human-machine interface connected to the logic controller, said logic controller being controlled by a portable data storage and processing system distinct from the gas installation chosen from among a tablet, an intelligent telephone such as a smartphone, a laptop computer, and said portable data storage and processing system being configured to duplicate views of the human-machine interface.

2. The installation as claimed in claim 1, characterized in that said communication port is chosen from among a wireless transceiver, an Ethernet port, a cellular radio transceiver, a WIFI transceiver and a Bluetooth transceiver.

3. The installation as claimed in claim 1, characterized in that said interface comprises a touchscreen whose size is less than or equal to twelve inches, preferably less than six inches.

4. The installation as claimed in any one of the preceding claims, characterized in that said housing contains two gas cylinders.

5. A method for exchanging maintenance and/or control data of a specialty gas distribution system between at least one installation as defined in one of claims 1 to 4 and a portable data storage and processing system distinct from the installation chosen from among a tablet, an intelligent telephone such as a smartphone, a laptop computer, comprising the step of transmission of data by a wireless connection such as a WIFI or Bluetooth connection or a connection set up by Ethernet cable.

6. The method as claimed in claim 5, characterized in that the exchange of data is set up between a portable data storage and processing system distinct from the installation as defined in one of claims 1 to 4 chosen from among a tablet, an intelligent telephone such as a smartphone, a laptop computer and a number of installations as defined in one of claims 1 to 4 lying between 2 and 20.