

## HYDROTHERMIC PREHEATER

# SPR 01000



### CHARACTERISTICS

Case and top-cover of stainless steel.

- Electrical resistance with thermostat, power 1500W -220V – 50Hz.
- Internal spiral-tube for high-pressure (250 bar), length 6 m, Ø10 mm, thk. 2 mm.
- Water level controlled by valve and floating device.
- Water volume 40 litres.
- Nominal flow of CO<sub>2</sub> – N<sub>2</sub>O (gaseous phase): 100 Nm<sup>3</sup>/h.
- Identification tag and instruction manual included.

INDUSTRIAL  
GASES



### MATERIALS

|                    |                     |
|--------------------|---------------------|
| <b>Body</b>        | Chrome-plated brass |
| <b>Cover</b>       | PA 6.6 +FV30%       |
| <b>Connections</b> | Chrome-plated brass |
| <b>O-ring</b>      | EPDM                |

### WARNINGS

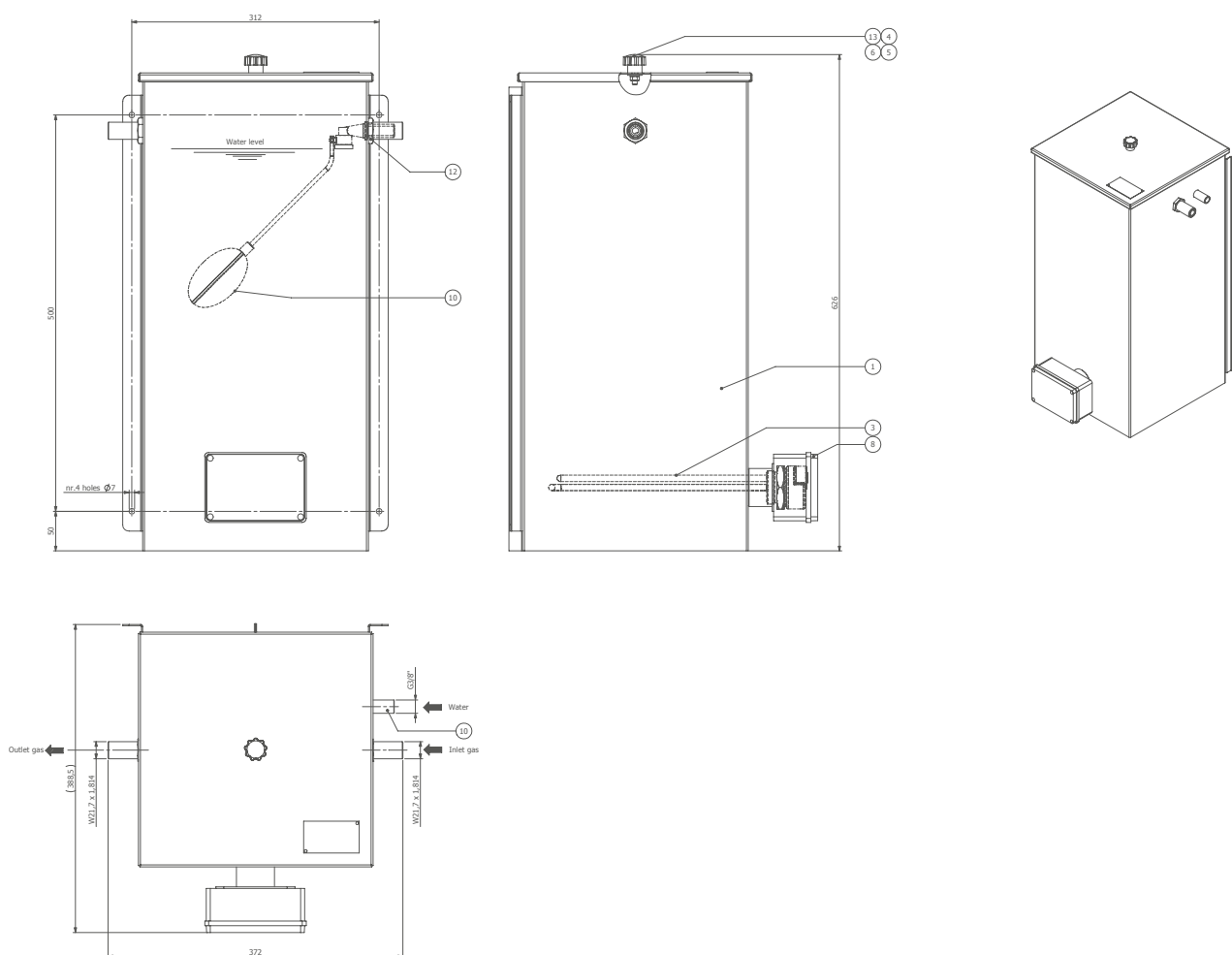
The preheater must be installed between the gas cylinder(s) and the decompression system for reducing pressure.

### TECHNICAL DATA

|                                   |                                  |
|-----------------------------------|----------------------------------|
| <b>Fluid</b>                      | CO <sub>2</sub> - N <sub>2</sub> |
| <b>Mass flow</b>                  | 100 Nmc/h                        |
| <b>Maximum working pressure</b>   | 250 Bar                          |
| <b>Allowable temperature (TS)</b> | -20 /+40°C                       |
| <b>ΔT heating</b>                 | 20°C                             |
| <b>V [ Tank ]</b>                 | ~40 l                            |
| <b>V [ Pipe coil ]</b>            | 0,7 l                            |
| <b>Water temperature</b>          | 20 ÷ 80°C                        |
| <b>Pipe coil length</b>           | 7,2 m                            |

### TECHNICAL DATA

|                      |                                  |
|----------------------|----------------------------------|
| <b>Cat. PED</b>      | art. 3.3                         |
| <b>Fluid group</b>   | 2                                |
| <b>Module</b>        | -                                |
| <b>Coil cleaning</b> | See operation instruction nr. 03 |
| <b>Coil blowing</b>  | See operation instruction nr. 03 |
| <b>Heating power</b> | 1,5 kW                           |
| <b>Voltage</b>       | 230 V                            |
| <b>Net weight</b>    | 20 kg                            |
| <b>Gross weight</b>  | 60 kg                            |



## OPTIONALS:

- To install the preheater between the manifold and the pressure regulator, use nr. 1 connector NP300, cod. SRR01070
- To connect the preheater to the decompression unit SQD..., use nr. 2 connectors NP250, cod. SFRQD01