

HYDROTHERMIC PREHEATER

SPR 01000

CHARACTERISTICS

INDUSTRIAL
GASES



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 CO₂ – N₂O (gaseous phase): 100 Nm³/h.
 Identification tag and manual of instruction included

MATERIALS

Body	Chrome-plated brass
Cover	PA 6.6 +FV30%
Connections	Chrome-plated brass
O-ring	EPDM

WARNINGS

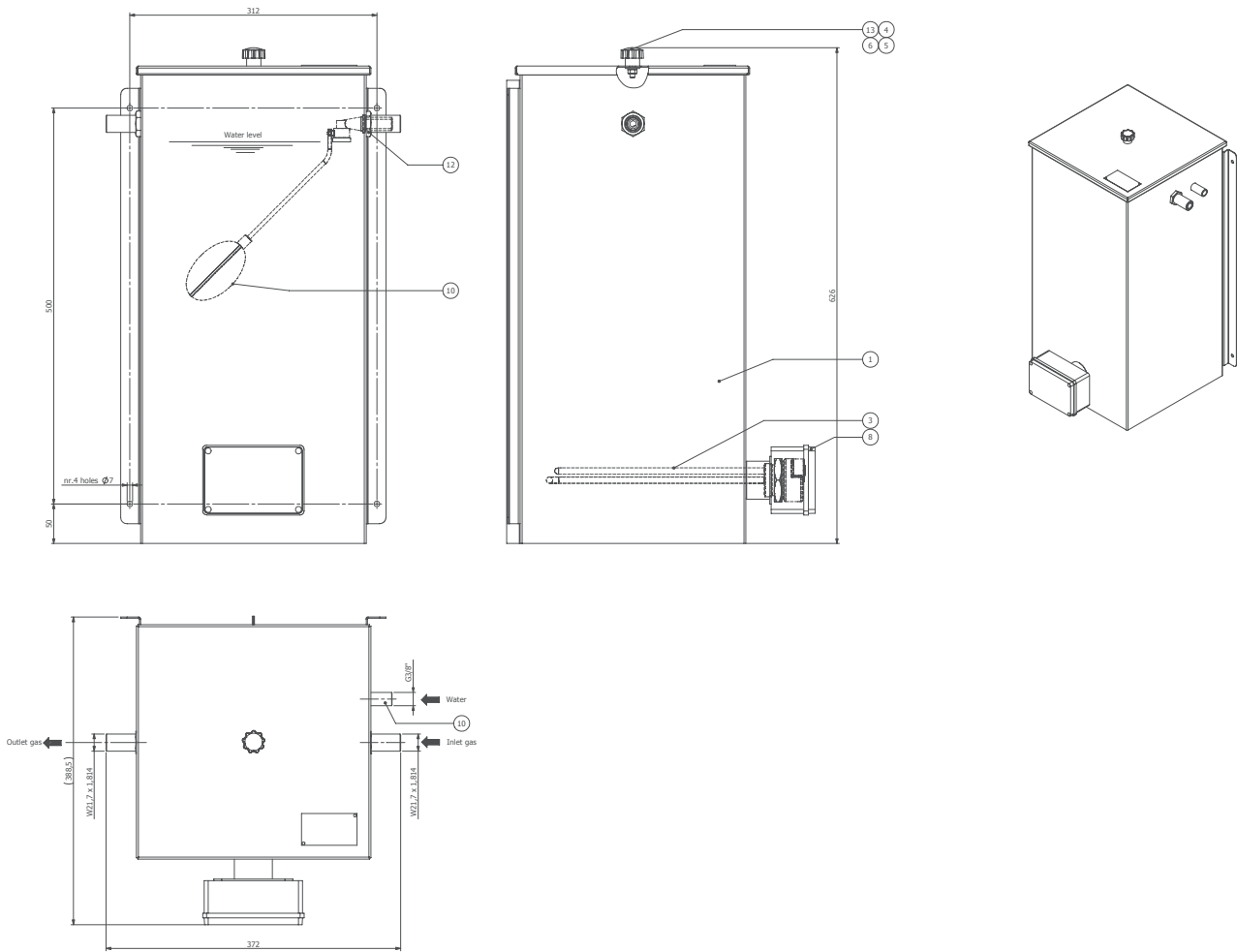
The preheater must be installed between the gas cylinder(s) and the decompression system for reducing pressure.

TECHNICAL DATA

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

TECHNICAL DATA

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



OPTIONALS:

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