

*Cryogenic skid unit for liquefied natural gas LNG (UN 1972), methane (UN 1972), ethane (UN 1961), ethylene (UN 1038), nitrogen (UN 1977).  
EC marking (Directive 2014/68/EU).*



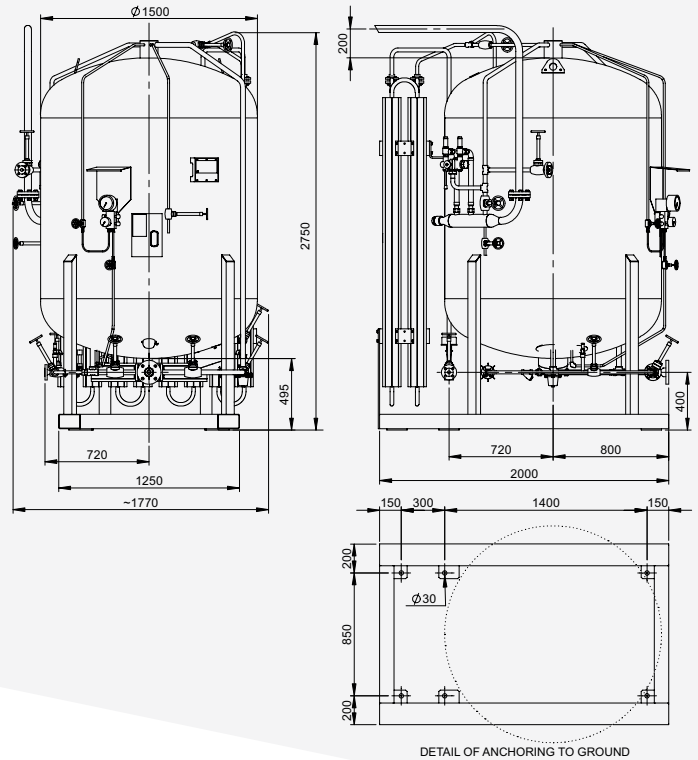
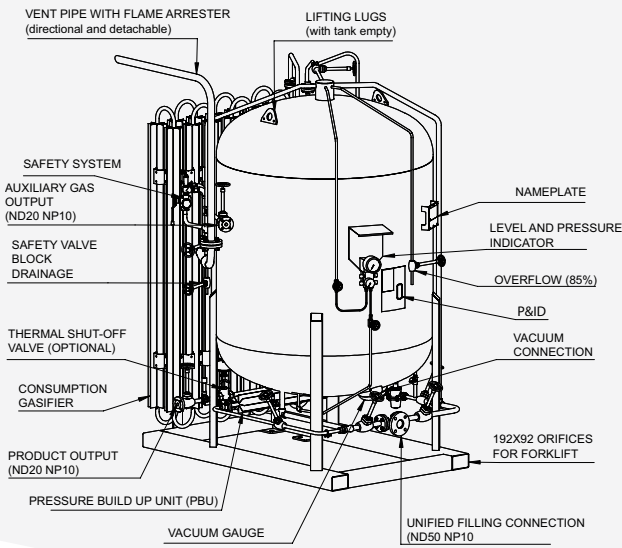
LCUA 1000 V

**GENERAL FEATURES**

- "Plug and play" equipment.
- EC marking (Directive 2014/68/EU).
- Geometric volume: 1,000 litres.
- Maximum allowable pressure: 10 bar (other pressures available upon request).
- Approximate weight: 1,200 kg.
- Modular.
- Insulation system: perlite in vacuum chamber.
- Easy to transport vertically on truck. 192 x 92 mm orifices for handling with forklift, when empty.
- Good use of space.

**FITTINGS INCLUDED**

- Pressure build-up unit (PBU).
- Environmental gasifier to consumption.
- Auxiliary gas phase connection.
- Economiser.
- ND40 flame arrester, directional and detachable.
- "Teledyne" type vacuum gauge.
- Media 05 (Samson) type level and pressure indicator. Options: electric, with level transmitter and pressure transmitter.



**MODULAR EQUIPMENT**

- STD 35 Nm<sup>3</sup>/h ambient gasifier. (Extendable to 70 Nm<sup>3</sup>/h and 105 Nm<sup>3</sup>/h). Possibility of extending after installation.\*
- Elevated frame.
- PBU: 1/2" input/output piping. Max. capacity 100 Nm<sup>3</sup>/h at 3 bar (extendable at request).
- Filling lines.
- 1/2" economiser and economiser-regulator valve.
- ND20 auxiliary gas phase connection. (Optional temperature controlled shut-off valve).
- Safety: Flame arrester; double safety valve; 3-way valve; discharge manifold with drainage system and manual drainage valve.

(\*) Gasification capacity can be increased by including more powerful gasification modules.

VG	Gas phase filling valve
VL	Liquid phase filling valve
VC	Consumption valve
VR85	Overflow valve 85%
PPR	Vaporiser (Pressure Build Up)
VEP	PBU input valve
VSP	PBU output valve
RP	Pressure regulator
F	Filter
VAG	Gas phase auxiliary valve
IN	Level
IP	Manometer
vn	Level gate valve
re	By-pass valve
ri	Bottom level valve
rs	Top level valve
TP	Pressure transmitter (according to model)
TN	Level transmitter (according to model)
CS	3-way valve (safety)
VS	Safety valve
SL	Line safety valve
VA	Pressure relief valve
Pe	Casing safety device
Tv	Vacuum connection
Mv	Vacuum gauge device
VRE	Economiser regulator valve
VSE	Economiser output valve
VSD	Tank output valve

**SCHEMATIC DIAGRAM  
LNG SKID LCUA 1000 V**

