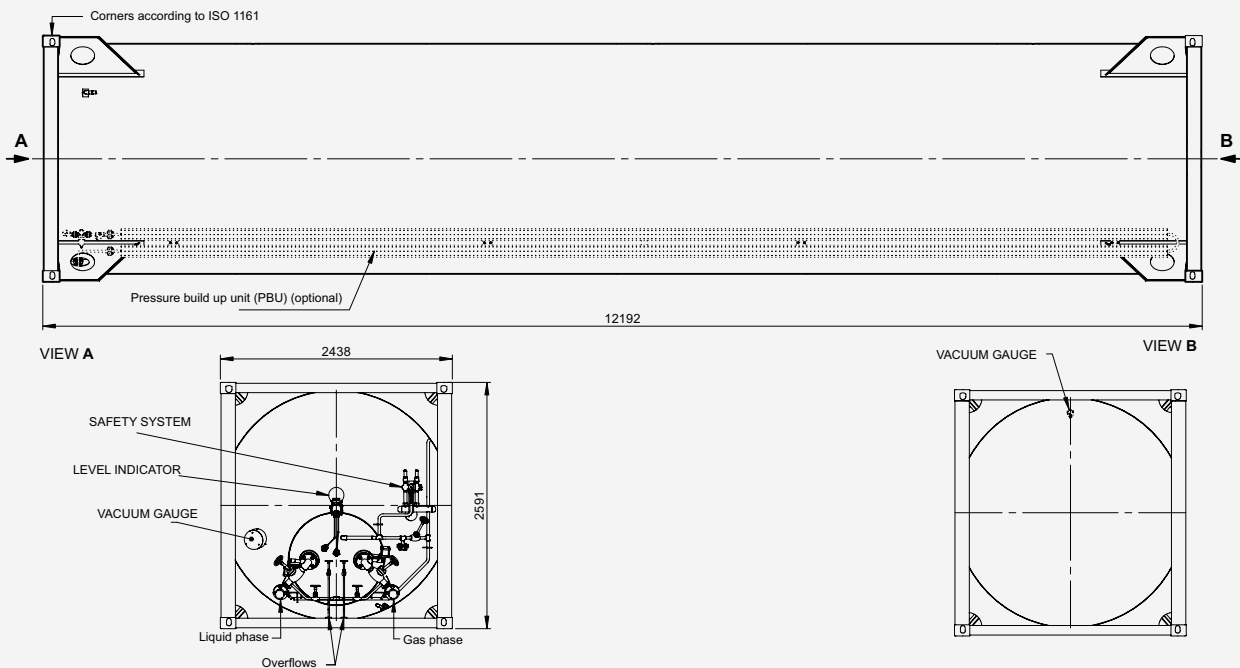


Cryogenic tank-container for transporting liquefied natural gas LNG (UN 1972), methane (UN 1972), ethane (UN 1961), ethylene (UN 1038), nitrogen (UN 1977), with cryogenic insulation, cryogenic vacuum insulation and non-compressible insulating material.

GENERAL CHARACTERISTICS

- Tank-container for transporting cryogenic liquefied gas.
- Thermal insulation with high vacuum and multilayer.
- Container type: 1AA according to ISO 668.
- Applicable European Directives: 2010/35/EU (Pi marking), 2008/68/EC.
- Standards applied: ADR, RID, ISO, CSC, IMDG, EN13530.
- Valid for transport with partial loads.
- Number of compartments: 1.





ISO-CONTAINER DESIGN DATA⁽¹⁾

- Geometric capacity: 46,5 m³.
- Maximum working pressure: 9 bar.
- Working temperature: -196, +50 °C.
- Empty weight: approximately 9,5 tons.

FINISHES

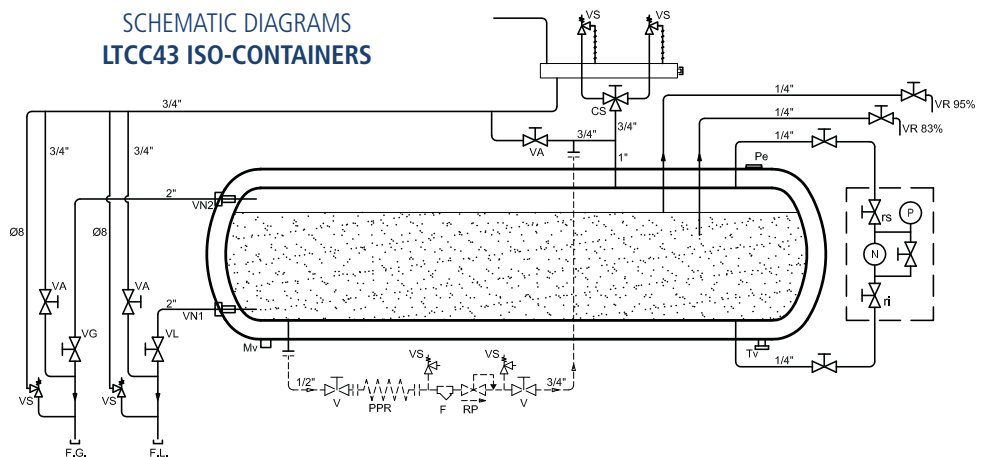
- PRIMER: Polyamide epoxy (60 microns).
- TOP COAT: White polyurethane (60 microns).
Total thickness: 120 microns.
- INTERIOR: Particle-free and dry.

EQUIPMENT AND FEATURES

- Connectors for filling and emptying according to client needs
- Manual stopvalves, globe type, with extended spindle for cryogenic use
- Bottom valves with pneumatic actuation, CAEN-type, with non-return feature
- Two overflow pipes according to client needs.

SCHEMATIC DIAGRAMS LTCC3 ISO-CONTAINERS

CS	3-way valve (safety)
VS	Safety valve
VA	Pressure relief valve
ri	Bottom level valve
rs	Top level valve
N	Level
P	Manometer
Mv	Vacuum gauge device
Pe	Casing safety device
Tv	Vacuum connection
FG	Gas phase
FL	Liquid phase
VR	Maximum filling valve
V*	Manual valves
VN*	Pneumatic bottom valve
PPR	Pressure Build up Unit (PBU)
RP	Pressure regulator
F	Filter



(1) Design data corresponding to one of the standard Lapesa LNG iso-container.