



GNVERT

LNG user guide

Safety devices



The emergency stop button

Switches off the pump's electric power supply and closes the automatic valves at the inlet and outlet of the pump.

The "START" and "DEAD MAN" buttons

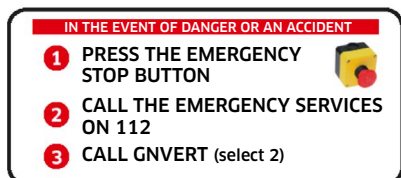
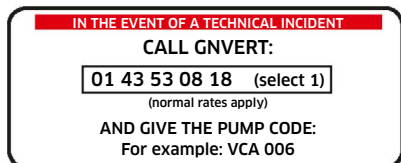
Every time the signal sounds, press the "START" and "DEAD MAN" buttons on the pump to fill up the vehicle.

The "VOLVO" button

For Volvo vehicles, press the "VOLVO" button before the "START" button to start filling up the vehicle.

The "STOP" button

Stops the flow of LNG before the tank is completely full.



In the event of a technical incident:

Call **01 43 53 08 18** (select 1) and give the pump code

In the event of danger or an accident

Press the emergency stop button and call the emergency services on **112**. Then call **01 43 53 08 18** (select 2) and give the pump code (for example, VCA 006)

Rules in the station



No smoking



Do not leave
the engine
running



Do not use your
telephone



No heat sources



Close all doors
and windows

Mandatory protective equipment



Cryogenic gloves

for skin protection, in the event of contact with the liquid fuel at -160°C and with certain very cold metal parts when filling up:

risk of cold burns



A visor or a cap with a visor

for protection against splashes:

risk of cold burns



Clothes that cover the arms and legs

for skin protection, in the event of contact with the liquid fuel at -160°C and with certain very cold metal parts when filling up:

risk of cold burns



Enclosed or closed-toe shoes

for skin protection, in the event of contact with the liquid fuel at -160°C :

risk of cold burns



The vehicle must be earthed

to dissipate electrostatic charges when filling up with LNG in order to avoid starting a fire:

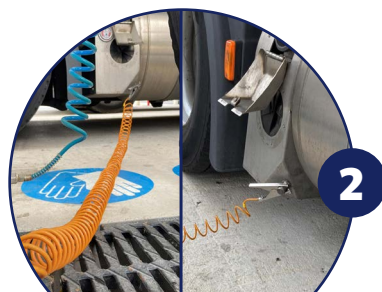
fire hazard

Read and strictly follow the instructions for filling shown on the pump

Instructions for filling



Switch off the engine, close the doors and windows of the vehicle and put on the PPE.



Earth the tank.



Dry and clean the two tank fittings on the vehicle (LNG and vent) using a compressed air blower or a cloth.



Identify yourself with your badge and follow the instructions.

Note: if the pump is not visible, check that the nozzle is firmly attached.



Unlock the LNG nozzle by pulling on the two handles simultaneously, then rotate it by one quarter of a turn to release the nozzle from the stops and detach it.

Instructions for filling



Dry and clean the filler nozzle with compressed air or a cloth.



Position the filler nozzle in front of the vehicle filler, aligned with the stops.



Insert the nozzle in the tank and rotate by one quarter of a turn to lock.



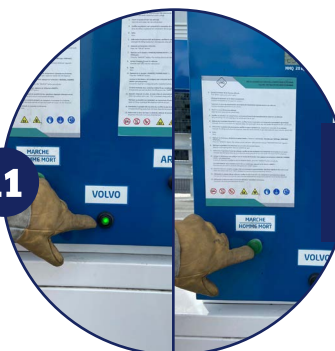
Connect the nozzle by pushing the two LNG handles forwards simultaneously.



For vehicles other than Volvos, if the pressure in the tank is higher than 10 bar, follow the instructions for depressurisation on page 8.

Instructions for filling

11



For VOLVO vehicles, first press VOLVO (indicator light), then press “START”. For other vehicles, simply press the “START” button.

12



Two icons (a thermometer and a nozzle) light up to show that the filling cycle has started. Filling starts when the thermometer disappears.

13



Whenever the signal sounds, press the “DEAD MAN” button to prove that you are present and paying attention.

Note: If the pressure in the tank exceeds 14.5 bar, the filling cycle stops and “END” is displayed. If the tank is not completely full, start the filling procedure again from the beginning.

Instructions for filling

14



It is **imperative to wait** until "END" is displayed on the screen to be sure that the tank is full.

15



Disconnect the nozzle by pulling the two handles backwards simultaneously. Wait for 3 seconds, then rotate the nozzle by one quarter of a turn to disconnect it from the vehicle.

16



Put the gun back on its support. Position it opposite the stops, turn through 1/4 of a turn and lock by pushing the two handles forwards at the same time.

17



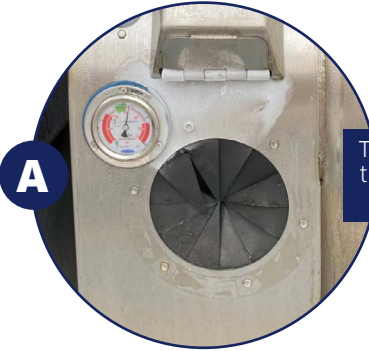
Remove the earthing clamp and close the grey vent valve of the tank.

18



If you have requested a receipt, swipe your badge again to receive the receipt.

Instructions for depressurisation



To depressurise the tank, you must monitor the pressure reading on the pressure gauge of the vehicle's tank.



If the pressure is higher than 10 bar, the pump cannot fill the tank.



Open the grey vent valves on each of the vehicle's tanks.



Rotate the vent nozzle by one quarter of a turn to unlock and remove it from its support on the pump.



Connect the vent nozzle to the vehicle and rotate by one quarter of a turn to lock it.

Instructions for depressurisation



Press the “START” button to start depressurisation.
Two icons (a thermometer and a nozzle) light up to show that the depressurisation cycle has started. Depressurisation starts when the thermometer disappears.



The pump displays “Disconnect downwards” to inform you that the depressurisation cycle has been completed.



To resume the filling cycle, disconnect the nozzle from the tank, put it back on its support on the pump and rotate by one quarter of a turn to lock it.



Resume at step 11.

Protection and Safety



Personal protective equipment is mandatory

The temperature of LNG is -160°C . Wear your PPE!

Traffic rules



Obey the rules applying to the movement of traffic in the station



The speed in stations is limited to 10 kph



Unauthorised persons are forbidden from entering the station on foot



No stopping or parking in the station



Check all blind spots before moving off in order to protect the safety of the technical personnel moving around the lanes



Stop at the “STOP” sign when leaving the station



The maximum headroom is shown in the station



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