



# MobyRes



desertic and remote areas

## MOBILE REFILLING STATION FOR LPG BOTTLE





# Mobile Refilling Station

## for LPG bottles

This mobile refilling plant for LPG bottle is the answer to the need of this kind of energy from the extremely wide territories like Sub Saharian land, north Africa, middle East areas, etc. where the great distances between cities, small towns and villages make their connection to a gas network far impossible for reasonable economical balancies.

In this context the delivery of bottles imply to move on more than 50% of the total gross weight in steel of the bottles and only the remaining weight is LPG.

Instead, transporting a single great vessel of LPG means that we can deliver the 90% of the net product weight and not only the 45 % !

More, a certain amount of pre-filled bottle can be stored into the Station for new clients or for the replacement of damaged or run-down bottles.



## HIGH RELIABILITY & SAFETY

- Internal and external structure all in steel widely dimensioned to work in severe conditions with dust, sand and high external temperature.
- Simply and affordable devices, rugged and dust-proof with a long life time.
- All the field operations can be performed by one only person.
- The station can be installed on any truck that can carry a standard 26' container (optionally is also available a "short" version of 20').
- No external power supply is necessary, completely autonomous.
- All the equipments are certified ATEX compliant (or local explosion proof standards).



This Station is the best for the complex delivery situations and allow to serve people and many communities spreaded on large areas with much more efficiency, low cost and more revenues.



**Included:**

- Personalized glass fiber covering shell and upper tent (additional insulation & protection)
- Set of external signal and fences to protect the operation area.
- Electrical cables for the external electric supply from the public network.
- Flexible hose with standard connection flanges to the LPG vessels.
- Double pump and circuit (1 for spare).
- N° 3 electronic dosing/weighting refilling automatic devices (1 for spare).
- N° 3 air fan for area cleaning and refreshing.
- Automatic fire extinguisher system + additional manual devices.
- Emergency shut-off external command.
- Compressed Air emergency connection system to the truck facilities.

**Optionals:**

- GSM for trip & position remote control.
- Extended insulated solar shield with company logo and adv. banners.
- Satellite navy-com.
- Valves gas leak electronic sensor.
- Photovoltaic panels for additional energy supply.
- Quick change of inlet plug to accept more standards.

**Main technical data:**

Overall dimension:	8,00 x 2,4 x 2,5 (h) m
Total max dead weight :	6800 kg (without truck)
Self power supply:	380 V 50 Hz - 4,5 kVA
Emergency ext. power:	220 V 50Hz 1,5 kVA
Single bottles stored:	n° 24 of 10/11 kg capacity

**External colors available:**

color standard applied to the external shell is white/green but any RAL standard color can be applied (included metalized).

MoRS is a original product, designed in Italy by B.Engineering and produced in Italy by:

a member of CONSMED Consortium



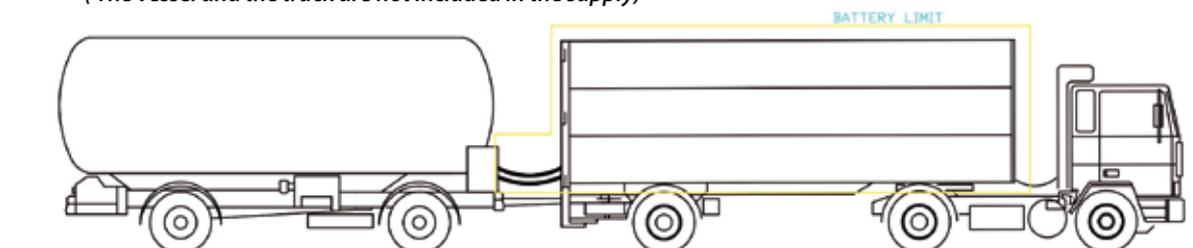
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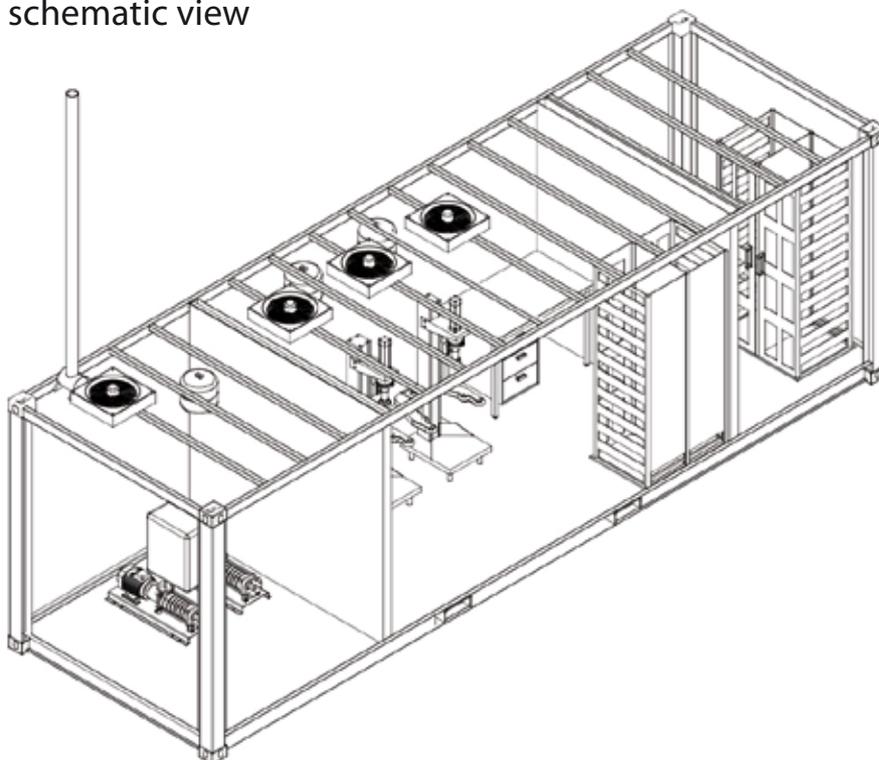
## Technical info

### Standard side view

(The vessel and the truck are not included in the supply)



### Iso schematic view



## MARKET ADVANTAGES



The revenue of each trip of this Station, compared with a usual "single bottle cargo" is, at least, the 100% more, this because no steel is transported but only LPG into the tender vessel.

Satisfaction and fidelity of the clients because they pay the right net quantity of LPG without restitution of some spare quantity with the empty bottle.

Optimization of the trips because there is no necessity to load different size of bottles (little, middle great, heavy etc.) but any client will still have his proper bottle simply refilled.

Choice to enlarge the market.

