

CRB20: LPG BOTTLES FILLING CENTER IN CONTAINERS (MULTI STATION)

With 3 scales **REF: CRB20-3**

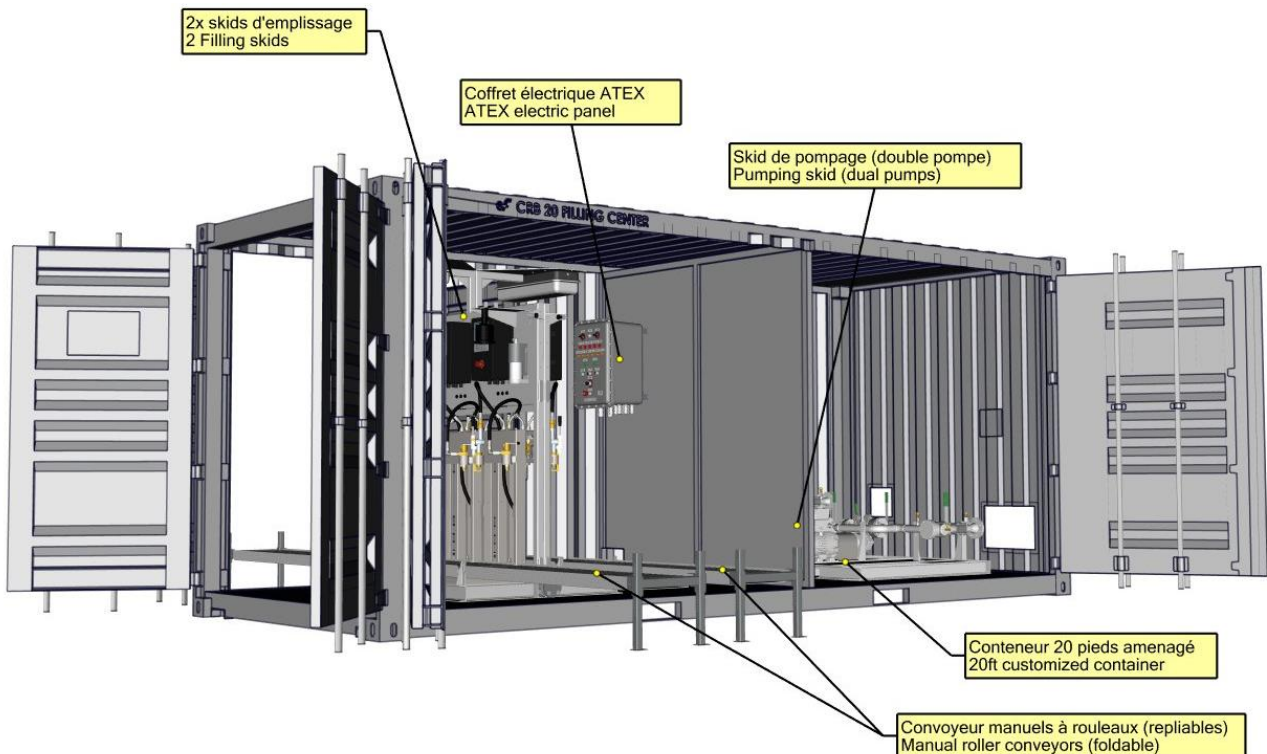
With 6 scales **REF: CRB20-6**



CRB20-6

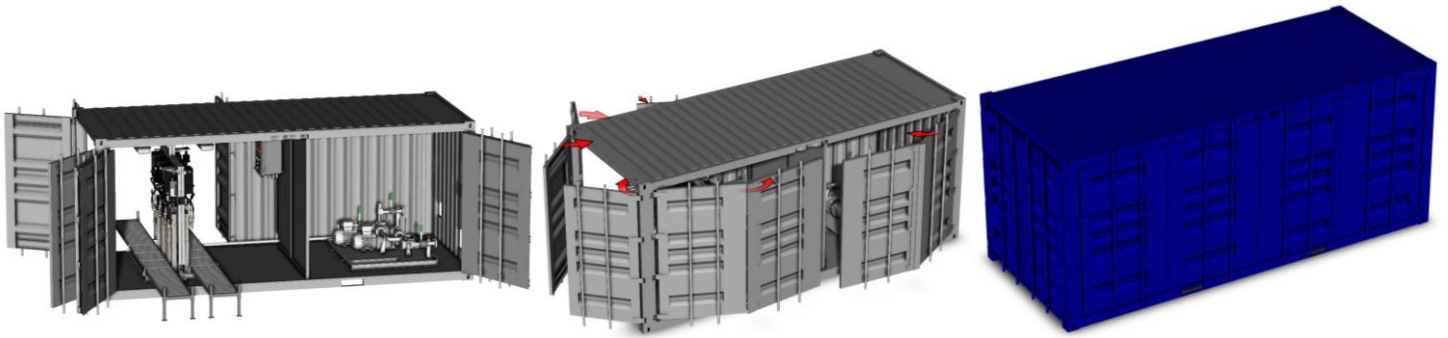
This container consists of :

- 1 ATEX box with emergency stop and control lighting functions.
- 1 or 2 filling skid, each equipped with 3 electronic scales, 'EFILLGAS' type, for the filling of LPG bottles from 2.5 to 50 Kg, with on each row of scales:
 - 2 ramps of loading / unloading roller.
 - 1 Neon light ATEX

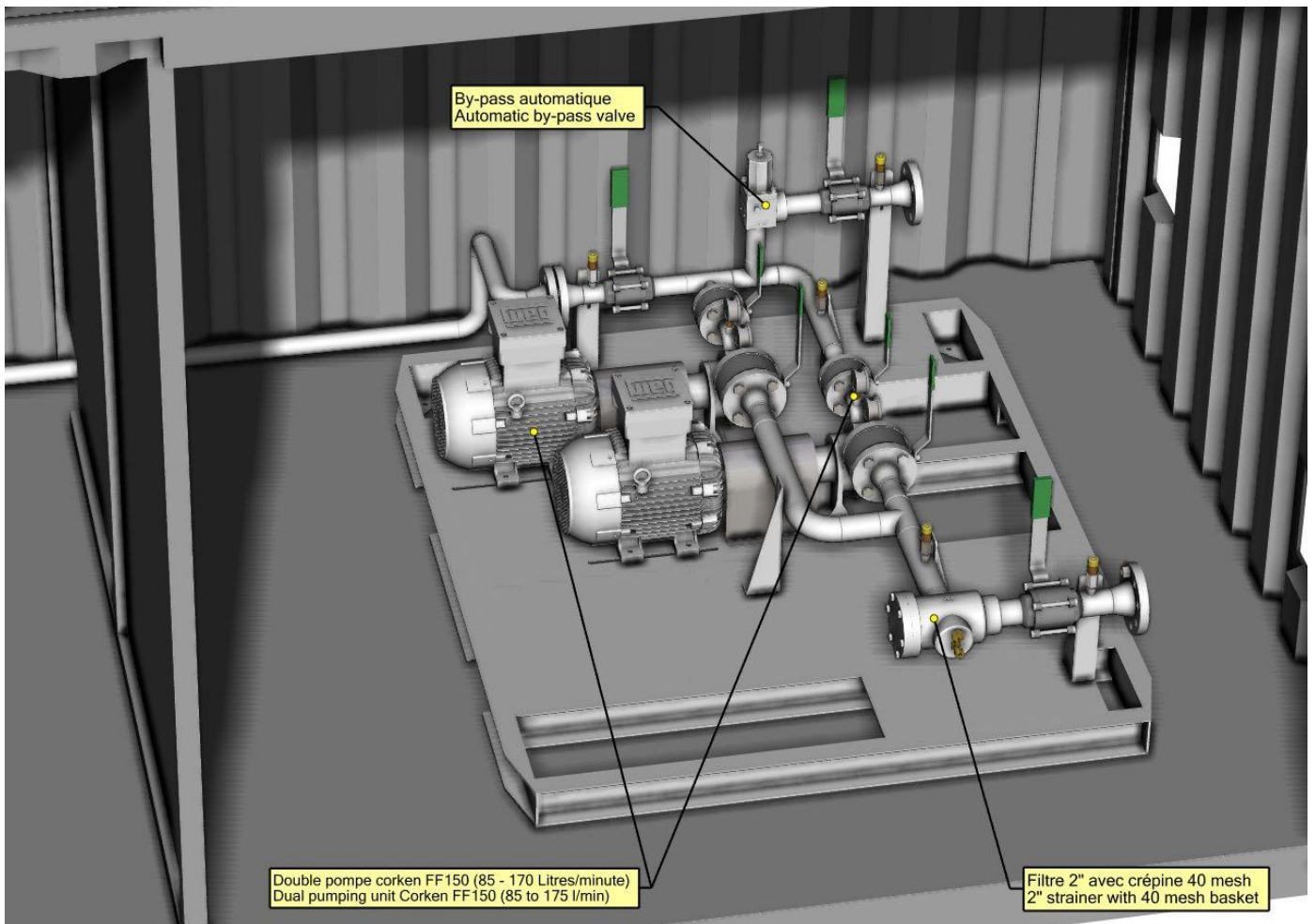


CRB20: LPG BOTTLES FILLING CENTER IN CONTAINERS (MULTI STATION)

This customized container, with a standard length of 20 feet can be fully closed.
It is transportable and ready to be installed near a tank in the location of your choice.



Pumping skid :

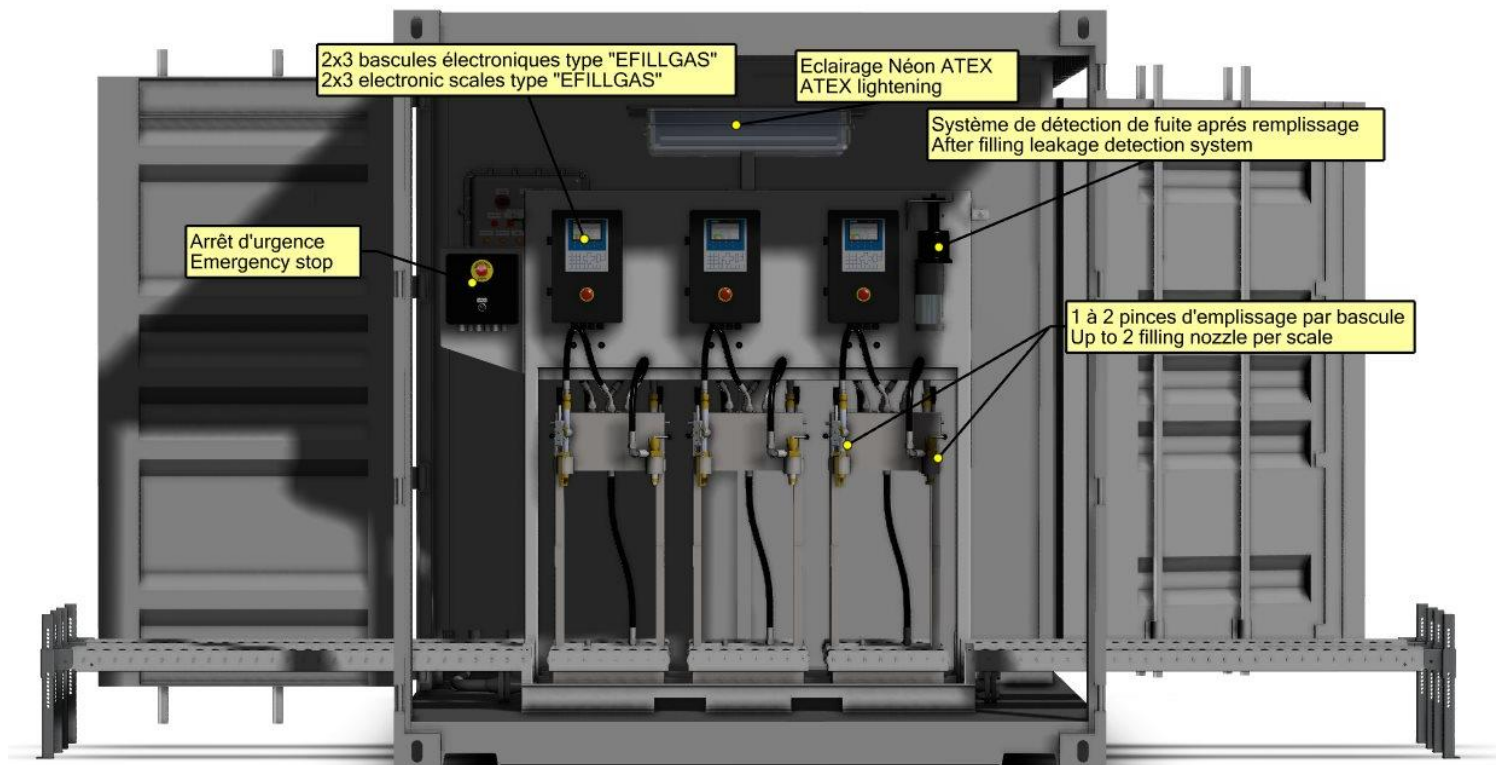


It is composed of:

- 2 motors pumps groups mounted in series, and which can operate simultaneously or independently.
- 1 filter 2'' with suction strainer 40 mesh mounted in suction.
- 1 By-pass allowing the return of the excess product pumped to the reservoir (depending on the number of running scales).
- 1 set of isolation valves to isolate the complete skid or each motor pump group independently.
- 1 light Neon ATEX

CRB20: LPG BOTTLES FILLING CENTER IN CONTAINERS (MULTI STATION)

The filling skid:



It is equipped with 3 filling electronic scales type "EFILLGAS".

ELECTRONIC SCALES TYPE « EFILLGAS »



- The scale is designed for the filling of the bottles of all capacities from 2.5 to 50 kg.
- The filling of the bottles is via a flexible connected to a hand clip, adapted to the type of tap or valve mounted on the bottle. Each scale has up to 2 filling flexible, which can be equipped with filling head of identical or different for more flexibility (Ex.1 for camping gas valve, and the other for traditional tap etc.)
- 1 programmable electronic calculator manages the filling cycles and control a solenoid valve for the automatic start and stop of bottles filling.
- 1 reliable and simple manual detector allows to control the leak presence on the cylinder valve after filling.

FILLING ELECTRONIC CALCULATOR



It equips each filling scale mounted in the CRB20 container.

This programmable calculator, has different filling programs in memory according to the characteristics of the different types of bottles commonly used.

According to the selected filling program, the device determines if:

- The bottle placed on the scale is empty?
- Is the bottle placed on the scale is compatible with the selected program (to avoid the risk of accidental overflow)

And the operator simply :

- Position and connect the bottle.
- Select the filling program corresponding to the type of bottle to fill.
- Enter the tare weight indicated on the bottle.
- Start the fill cycle. It will stop automatically.

This system of electronic programming aims to prevent any overflowing (dangerous) or under filling (non-commercial).

It is also possible to preselect a filling guideline depending on the price. Indeed, if the consumer has only a certain amount of money, so the operator can order to the calculator to complete the quantity of GPL for this amount in the bottle. A security prevents to any overflow.

The calculator has also a « reporting » function, to get scale filling real-time statistics, this following data are saved and searchable :

- Filled bottles number and type,
- Amount of product delivered,
- ...

LEAK DETECTION DEVICE



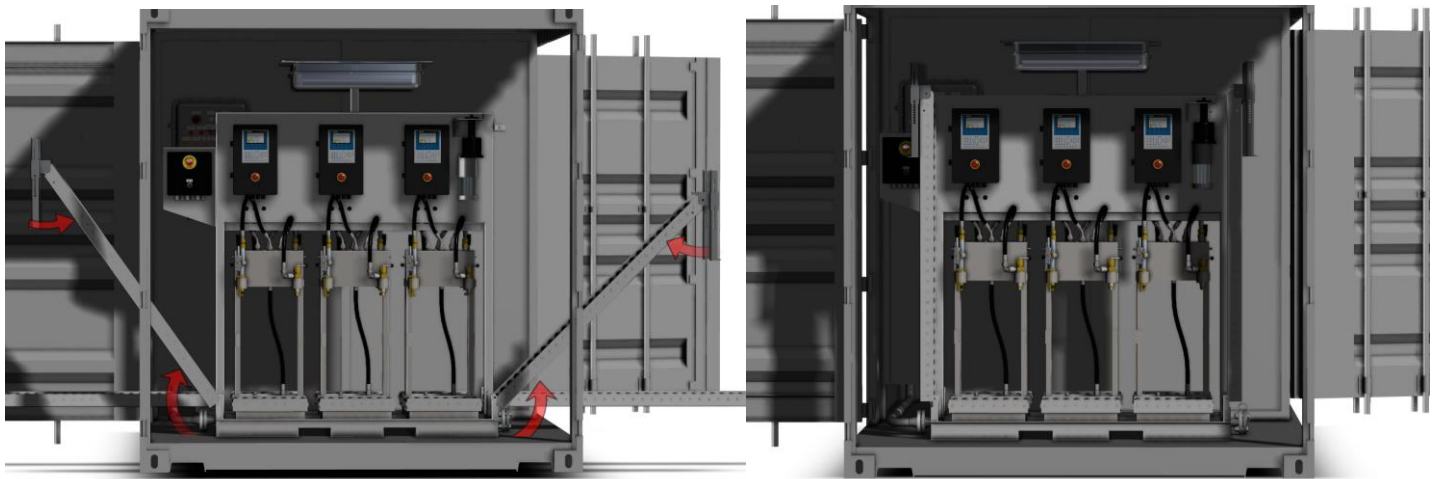
A bell with a gasket is connected by a small diameter flexible pipe to a transparent container with water.

At the end of filling, the Bell will be positioned a few seconds on each bottle of gas, recovering the tap or the valve.

In case of leakage, the positive pressure in the bell of this simple, reliable and very effective system will generate bubbles in the transparent container.

The skid scale must be positioned on a horizontal slab at a minimum safety distance of the skid tank / pumping and the administrative buildings and public areas which depend on applicable regulations.

ROLLER CONVEYOR



Designed for the manual conveyance of LPG bottles, it equips each skid of 3 scales mounted in the CRB20 container.

It is equipped with loading ramps and unloading in input and in output. These ramps are reclining to facilitate the handling of bottles and foldable to allow the complete closure of the container.

Each conveyor is equipped with 84 $\varnothing 50$ rollers with ball bearings (± 18 rolls per meter).

DIMENSIONS

