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“SKID MOUNTED” L.P.G. FILLING PLANT Mod. 3LP/C1DSM/5

This SKID MOUNTED L.P.G. filling plant is designed and built in order to work (with or without electric supply) everywhere without any connection or civil work needs in site.

Two pumps are installed on the skid, and directly coupled, one to EExd electric motors, the other to a Diesel engine; both dispenser (mechanical head type) and cylinder's scale will be able to be filled by the same pump. The cylinder's weight is, moment by moment ascertainable by the scale's dials until the right weight is reached.

The whole plant is already permanently connected with the storage tank. The skid dimensions are suitable for the standard truck's flatbed installation.

FEED MANIFOLD suitable to accept n°1 feeding points

- + n°1 dispenser including:
- Relief valve NP40 ND15 + relief line complete.
- Pressure gauge (range 0-25 bar) with holder valve.
- Safety valve liquid phase setted at 17,65 bar.
- Ball valves "fire safe" galvanized type NP40.
- Basket filter NP40.
- Ball valves "fire safe" galvanized type NP40.
- Check valve galvanized type NP40.
- Excess flow valve galvanized type NP40.

L.P.G. DISPENSER (MECHANICAL HEAD) including:

- LPG type valves (inlet and outlet).
- Return line vapour phase complete (to tank).
- Flexible hose.
- LPG gas Erogator Gun

L.P.G. TANK CAPACITY 5 Cu.M.

- with all accessories:
- External diameter 1200 mm.
- Design temperature -10 +50°C
- Design pressure 17,65 bar
- Total lenght 4700 mm.
- Height 1700 mm. (without skid)
- Estimate weight 1020 Kg

EEx-d ELECTRIC PLANT including:

- Explosion proof box.
- Start-stop switches.
- Flexible conduit with coupling -
- Conduit seal - Conduit fitting -
- Electromagnetic switches with
- overload protection.

L.P.G. FILLING GROUPS including:

- Diesel motor "Lombardini" type 4 kw (head starting system), directly coupled to...
- TBA 317 L.P.G.Pump, head 160 m.l.c., delivery 70 l/min., everything installed on iron base.
- Electric motor explosion proof CV5,5 - 4kw - 4 poles - 380V directly coupled to...
- TBA 317 L.P.G.Pump, head 160 m.l.c., delivery 70 l/min., everything installed on iron base. The group is by-pass connected to the "Diesel" system.

SCALE'S GROUP including:

- Scale mechanical type vertical installation, dial 55x55 cm. including polyethylene protection. Max weight 80 Kg. min. accuracy = 20 gr.
- Gas plier suitable for cylinder angle type.
- Flexible hose L = 2 mt. ø ½".
- Ball valve fire-safe galvanized NP40 ND15.