

INTEGRATED SOLUTIONS

MRU

MOBILE REFILLING UNIT (MRU)



The Mobile Refuelling Unit in its two configurations consists of the following components:

- Mechanical or hydraulic compressor coupled to electric motor or gas engine
- Control and safety instrumentation performing the compressor's operational control functions of the compressor unit
- Priority panel with three pressure lines: low, medium and high
- Refuelling panel with 2 filling points with mass meter
- The enclosure that hosts (in two separated rooms) all the mechanical components, auxiliaries, electric and control instrumentation

Datasheet

| | | |
|----------------------|--------------|---|
| Driven configuration | - | Hydraulic or mechanical compressor unit |
| Driver configuration | - | Electric motor or gas engine (ICE) |
| Suction Pressure | bar (psi) | 5 ÷ 75 (73 ÷ 1,088) from piping 250 ÷ 50 (3,625 ÷ 725) from cylinder trailer or storage pack |
| Discharge Pressure | bar (psi) | Up to 300 (4,350) |
| Maxflow-rate | Scm/hr(SCFM) | Up to 1,000 (590) from piping Up to 5,000 (2,950) from cylinder trailer or storage pack |
| Power | kW(Hp) | 75 ÷ 90 (100 ÷ 120) |
| Noise Level | dB(A) | 75 @ 3 meters |
| Footprint | Sqm | 7 |
| Certifications | - | EC and US |

Benefits



GREAT EFFICIENCY AND HIGH PERFORMANCES

Available in two configurations (with mechanical or hydraulic compressors driven by electric motor or gas engine) it is able to refill any type of vehicles. The priority panel that manages the flow of gas from storage pack to the filling points through the low, medium and high pressure lines, minimizes the time of refilling ensuring the highest efficiency with reduced operating costs.



FOOTPRINT

An ultra-compact solution hosting in only 7 sqm the compressor skid and all the accessories and electrical components needed for refilling, including two filling points.



FAST INSTALLATION

Its footprint ensures fast installation and commissioning: erection and installation time is reduced by 3X if compared to a standard CNG/RNG filling station.

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