

SAFE is an Italian key player in compression and decompression infrastructure technology. Since 1975 it develops and produces mechanical and hydraulic compression solutions for natural gas and biomethane in Upstream, Midstream, Industrial and Distribution markets.

MOBILE REFILLING UNIT (MRU)

HIGH LEVEL DESCRIPTION

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)
Max flow-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

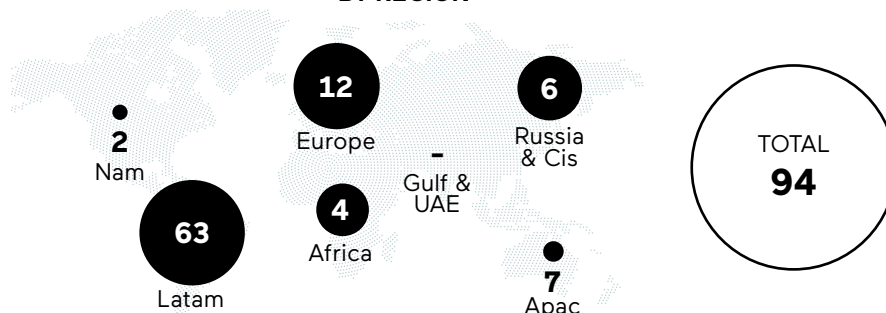
An ultra-compact solution hosting in only 7 sqm the compressor skid and all the accessories and electrical components needed for refilling, including two filling points.

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.

REFERENCES

BY REGION



COMPANY HISTORY

1975	SAFE is founded
1979	Production of the first HYDRAULIC Compressor
1988	Production of the first MECHANICAL reciprocating compressor
1992	Production of the first Oil & Gas Package
2008	Production of the first Mobile Refuelling Unit (MRU)
2010	Production of the first Biomethane solution
2011	SAFE moves to the new HQ in San Giovanni in Persiceto (BO) - ITALY
2017	SAFE&CEC is established through the Agreement between Landi Renzo and Clean Energy Fuels
2022	Idro Meccanica joins SAFE to foster H ₂ Market. Launch of the first HYDROGEN DISPENSER for filling stations fully designed and produced in-house

COMPANY SQM

ENTIRE PREMISES

27,000

PRODUCTION FACILITY

11,500

OFFICES & SERVICES

2,950

OTHER (parking)

12,550