

LOGAN Energy's MobileHRSC

The versatile, automated, mobile H2 filling & refuelling solution

Logan Energy offer the ultimate hydrogen portability solution with Mobile Hydrogen Refuelling Station, MobileHRS.

Developed over several iterations, our latest model offers uncompromising refuelling performance, ease of use and flexibility.



Product Overview

Logan Energy has developed a highly versatile, mobile refuelling trailer to meet the needs of the hydrogen industry. The unit has a gas inlet connect and three outlet hoses for filling cylinders or vehicles.

The system is fully portable and is supplied with automated controls, cooling system, instrument air supply and a simple to use interface.

Applications

The Mobile Hydrogen Refuelling Trailer is a flexible unit that can be used for a variety of applications, most commonly:

- Small to medium scale hydrogen refuelling station
- Testing of hydrogen vehicles or systems
- Industrial hydrogen pilots or temporary solutions

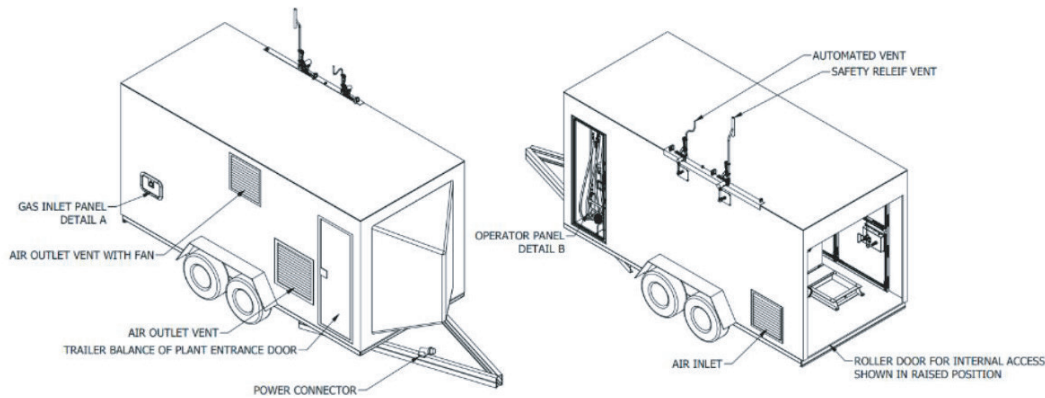
Filling Flexibility

Various filling modes are available

- 200 or 300 bar for filling cylinders and MCPs
- 350 bar for vehicles
- 450 bar for higher pressure cylinders

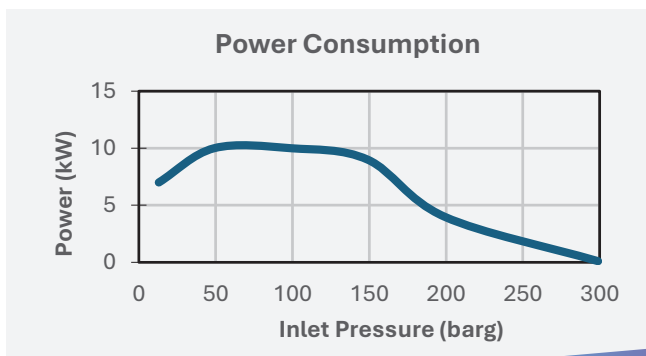
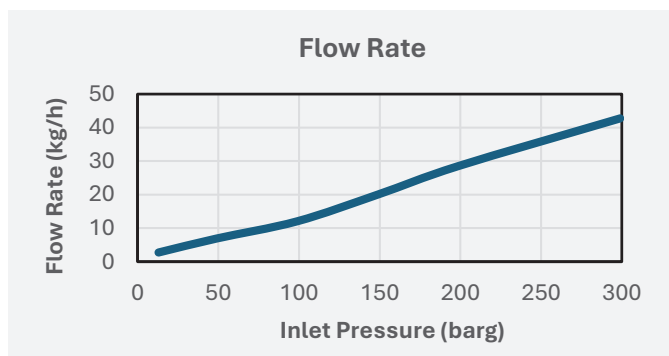
Features & Benefits

User Friendly	<ul style="list-style-type: none">• Fully portable with fast and easy set-up.• Automated refuelling process.• User-friendly HMI interface and remote monitoring functionality.
Highly Versatile	<ul style="list-style-type: none">• 3 outlet nozzles for different filling applications and pressures.• Suitable for inlet pressures of between 10bar and 450bar.
Safe & Reliable	<ul style="list-style-type: none">• Designed and finished to a high standard for exceptional reliability.• Built-in automatic safety systems.• Designed & built to industry standards including PED & ATEX.
Industry Leading Performance	<ul style="list-style-type: none">• Low inlet pressure allows for maximum amount of delivered hydrogen to be used.• Fast refuelling for a mobile solution, with an average supply pressure of 200bar completing a 10kg, 350bar fill in less than 10 minutes.
Available to Suit You	<ul style="list-style-type: none">• The trailer can be purchased ex-works for rapid delivery.• Alternatively, we offer short or long-term rental at competitive monthly rates.• Optional customer branding.



Weight	3,500 kg
Dimensions	5780 x 2280 x 3370 mm (including vents)
Gas Inlet	Staubli Quick Connect
Outlet Connections	<ul style="list-style-type: none"> • 1 x 200 bar cylinder filling hose with BS342 Type4 connector* • 1 x 350 bar vehicle refuelling hose with WEH nozzle • 1 x 450 bar hose with Staubli Quick Connect <p><i>*alternatively, this connection can be configured</i></p>

Inlet Pressure	10 to 450/500 bar
Outlet Pressure	200/300bar, 350bar & 450/500bar
H2 Compressor Type	Hydraulic
Ambient Temp. Range	-10 to 50 °C
Min/Max Power Consumption	11/75 kW
Power Supply	415V, 50Hz, 63A 3P+N+E



Logan Energy
is ready to support your
next project.

Contact us to discuss.