

All-in-one hydrogen refueling station

For light-duty vehicles

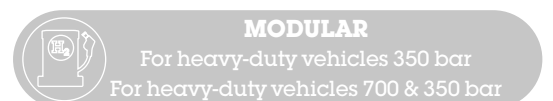


With more than 200 hydrogen stations delivered all over the world, Air Liquide provides **global hydrogen refueling solutions** from project definition to operation and maintenance support.

Part of the **all-in-one** refueling station product line, the station dedicated to **light-duty vehicles** can supply gaseous hydrogen at **700 bar** and **350 bar**, using a safe protocol for different sized tanks. The single skid provides a **compact footprint** and allows **easy installation** and **relocation** during the asset's life.

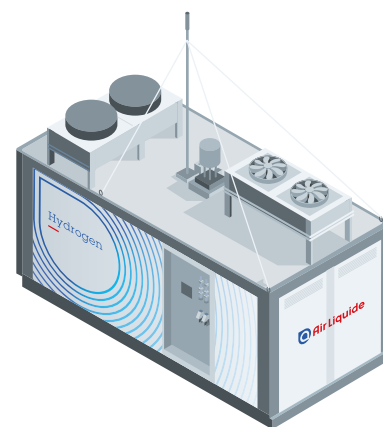
Key benefits

- ✓ All-in-one concept for light-duty vehicles
- ✓ Small footprint and minimalist on-site works, easy asset relocation
- ✓ Versatility with 350 and 700 bar refueling lines
- ✓ Compliant with SAEJ 2601
- ✓ Reliability proven by endurance tests
- ✓ More than 100 patents



All-in-one hydrogen refueling station

Gas-to-gas series | For light-duty vehicles



Performances

Source: trailers	700 bar Light-duty vehicles Standard fillings (2.5 kg)	700 bar Light-duty vehicles Extended fillings (4 kg)	350 bar Heavy-duty vehicles Demonstration (20 kg)
Dispenser(s)	1 x H70	1 x H70	1 x H35
Max. vehicles in 1 hour	8 vehicles	4 vehicles	1 vehicle
24h capacity	300 kg/day	250 kg/day	200 kg/day



*Source trailers excluded.

Technical specifications

Fueling time	<ul style="list-style-type: none"> H70 - light-duty: 4 kg in 6 min H35 - heavy-duty: 20 kg in 30 min (demonstration only)
Minimum inlet pressure	Trailers: 50 bar
Noise	< 85 dBA at 1 m
Utilities	<ul style="list-style-type: none"> 400V, 3 phases, 50 Hz, 100 kVA Compressed air system included Nitrogen for maintenance purposes only
Safety	<ul style="list-style-type: none"> Hydrogen / flame detection Emergency stop buttons Flare adapted to urban use
Environment	Ambient operating temperature: -20°C to +40°C
Codes and standard	<ul style="list-style-type: none"> CE marking - EN17127 - EN17268 ISO 19880-1 + SAT tests certified by 3rd party (CEP) IR communication : SAE TIR J2799 (H70 only) Metrology : OIML R139 - Certification by 3rd party

Modularity

Compatible hydrogen sources

Gas trailer and ground storage - possible source in parallel

Dispensers

- 1 fueling line for 350 bar, 1 fueling line for 700 bar
- Integrated in the station's main container
- Adaptable branding and colors

Services & maintenance support

- Preventive and corrective maintenance contract
- Technical assistance and training
- Spare parts supply
- Remote control for operation and assistance

Contacts

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