



HYDROGEN REFUELING SOLUTIONS

HRS14

HYDROGEN REFUELING STATION



14 kg H₂ / h

350 bar

700 bar

MAINTENANCE
OFFER



SAFETY

Proven and safe design
ISO 14687, EN 17124 and ISO 19880,
SAE J2601-1/-5 compliance



VERSATILITY ADAPTABILITY

Compatible with every type of H₂ sources
Refuel every type of vehicles



RELIABILITY REDUNDANCY

Duplicated high pressure
compression



MODULARITY FLEXIBILITY

Solution adapted to uses with
optional additional storage

HRS14

TURNKEY OFFER: PRODUCTION + INSTALLATION + COMMISSIONING

Hydrogen source min. inlet compression pressure	On-site electrolyser, trailer 30 bar
Standard compression capacity	14 kg / hour
Compression capacity evolution	up to 28 kg / hour (HRS28)
Compatible vehicles	350 bar (35 Mpa) - 700 bar (70 Mpa)
Dispenser	1 (extra is optional)
Available nozzles	H35 - H35HF - H70
Refueling duration example ⁽¹⁾	
Light Duty (5 kg) 700 bar	3 - 4 min
Heavy Duty (30 kg) 350 bar 700 bar	10 - 20 min 20 - 30 min
Min. process area for installation (sqm)	150
Min. active power (kW)	175
Inlet module H ₂ supply	1 (extra is optional)
High pressure compressor (930 bar)	2
High pressure storage buffer	1 x 1600 L (extra is optional)
Compression and distribution chillers	Included
Data monitoring & control system	Included
Maintenance (level 3/4, 24-hour on-call duty)	Optional
Payment solution	Optional
Customised flocking	Optional
Approval & Certifications	CE, DESP, ATEX, CEP
Transportable version	Optional

⁽¹⁾ According to SAE J2601 and WENGER protocols
This document is for informational purposes only, specifications are subject to change.
Contact HRS for more information - Credit: Sébastien Sassoulas, Flatcon - April 2025



ZAC du Saut du Moine
38800 Champagnier, France



www.hydrogen-refueling-solutions.com



+33 (0)4 76 14 07 78



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