



# HYDROGEN REFUELING SOLUTIONS

# HRS14

## HYDROGEN REFUELING STATION



14 kg H<sub>2</sub> / 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 H<sub>2</sub> 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 (max)	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 <sup>1</sup>	
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)	200
Power needs (kW)	175
Inlet module H <sub>2</sub> supply	1 (extra is optional)
High pressure compressor (950 bar)	2
High pressure storage buffer	1 (extra is optional)
High pressure storage (L)	1600
Compression and distribution chillers	Included
Data monitoring & control system	Included
Design + Production + Installation + Commissioning	Included
Maintenance (level 3/4, 24-hour on-call duty)	Optional
Payment solution	Optional
Transportable version	On request
Approval & Certifications	CE, CEP, DESP, ATEX

<sup>1</sup>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 - February 2025



ZAC du Saut du Moine  
38800 Champagnier, France



[www.hydrogen-refueling-solutions.com](http://www.hydrogen-refueling-solutions.com)



+33 (0)4 76 14 07 78



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