



HYDROGEN REFUELING SOLUTIONS

HRS28

600 KG H₂/DAY

TURNKEY REFUELING STATION



350 - 700 bar | HF

FULL SERVICE MAINTENANCE

24/7/365 in-house expert
engineers assistance

Real-time data monitoring
In-house control room

Preventive & corrective
maintenance 1/2/3/4

SAFETY

Proven and safe design
ISO 14687-EN 17124-IEC 61511-ISO 19880
SAE J2601-1/5 compliance

REDUNDANCY

100% compression redundancy
4 high-pressure compressors

RELIABILITY

Developed on HRS14 proven design
+20 sites already deployed

MODULARITY

Scalable if evolution of uses
(extra compressor, storage...)

HRS28



TURNKEY OFFER: PRODUCTION + INSTALLATION + COMMISSIONING

Hydrogen source Inlet pressure (bar)	Electrolyser, trailer	32	500
Compression capacity per hour (kg/hour)		28 kg/hour	
Distribution capacity per day (kg/day)		600 kg/day	
Dispensers	2 (additional is optional)		
Simultaneous refueling	✓		
Light Duty fueling duration ⁽¹⁾	H70	3 - 4 min	for ~5 kg
Heavy Duty fueling duration ⁽¹⁾	H35 HF	8 - 12 min	for ~30 kg
	H70	25 - 35 min	for ~35 kg
	H70 MF	-	
	H70 TMF Toyota ⁽²⁾	-	
	H70 HF RHeadHy ⁽³⁾	-	
Process area (excluding H ₂ source)		150 - 300 m ²	
Active power		350 kW	
Compressor quantity	4		
Storage pressure level	HP (930 bar)		
Compression and distribution chillers	✓		
Data monitoring & Control System	✓		
Approval & Certifications	CE, PED, ATEX, CEP		
Payment solution (IFSF, OIML R139 compliant)	Optional		
Maintenance (level 1/2/3/4, 24-hour on-call duty)	On request		

(1) According to SAE J2601 and WENGER protocols. Masses given for information purposes only - (2) Twin nozzle refueling, joint development between HRS, Toyota Motor Europe and Engle - (3) Available in 2026 - The RHEADHY project received funding from the Clean Hydrogen Partnership under grant agreement no. 101101443 with backing from the European Union's Horizon Europe research and innovation programme. This document is for informational purposes only, specifications are subject to change. Contact HRS for more information - Credit: Bastien Philippe - Nov. 2025



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