



HYDROGEN REFUELING SOLUTIONS

HRS40

HIGH-CAPACITY HYDROGEN REFUELING STATION



40 kg H₂ / h

 350 bar

 700 bar

**MAINTENANCE
OFFER**



**SIMULTANEOUS
REFUELING**

Two bi-pressure dispensers
(350 bar - 700 bar)



**RELIABILITY
REDUNDANCY**

Duplicated high pressure compression
and distribution lines



**EVOLUTIVE
STATION**

Possibility to upgrade the capacity
up to 80 kg/h (350 bar)

HRS40

FIRST INSTALLATIONS Q4 2023¹

Hydrogen source min. inlet compression pressure	On-site electrolyser, trailer 26 bar
Compression capacity (max)	40 kg / hour
Compatible vehicles	350 bar (35 Mpa) - 700 bar (70 Mpa)
Dispensers Available nozzles	2 H35 - H35HF - H70
Refueling duration example ²	
Light Duty (5 kg) 700 bar (70 Mpa)	3 - 4 min
Heavy Duty (30 kg) 350 bar (35 Mpa) 700 bar (70 Mpa)	10 - 20 min 20 - 30 min
Min. process area for installation (sqm)	290
Power needs (kW)	474 ³
Inlet module H ₂ supply	2
High pressure compressor	2
High pressure storage buffer	1 (extra is optional)
Medium pressure compressor	1 (extra is optional)
Medium pressure storage buffer	1 (extra is optional)
Data monitoring & Control System	Included
Installation and commissioning	Included
Maintenance (level 3/4, 24-hour on-call duty)	Optional
Payment solution	Optional
Customized flocking	Optional
Approval & Certifications	CE, DESP, ATEX

¹ For stations already ordered - ² According to SAE J2601 and WENGER protocols - ³ 650 kW if station upgraded to 80 kg/hour

This document is for informational purposes only, specifications are subject to change.
Contact HRS for more information - Credit: Bastien Philippe, Flaticon - November 2023



ZAC du Saut du Moine
38800 Champagnier, France



www.hydrogen-refueling-solutions.com



+33 (0)4 76 14 07 78



HYDROGEN REFUELING SOLUTIONS