



HYDROGEN REFUELING SOLUTIONS

HRS40

HIGH-CAPACITY HYDROGEN REFUELING STATION



40 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



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 4t/day (350 bar)

HRS40

FIRST INSTALLATIONS 2024



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	2 (extra is optional)
Available nozzles	H35 – H35HF – H70 – H70MF – H70HF
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)	290
Power needs (kW)	474 ²
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, CEP, DESP, ATEX

¹ According to SAE J2601 and WENGER protocols – ² 650 kW if station upgraded to 80 kg/hour



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