



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



TURNKEY OFFER: PRODUCTION + INSTALLATION + COMMISSIONING

Hydrogen source min. inlet compression pressure	On-site electrolyser, trailer 26 bar
Standard compression capacity	40 kg / h
Compression capacity evolution	80 kg / h (HRS80) 160 / h (HRS160) ⁽¹⁾
Compatible vehicles	350 bar (35 Mpa) – 700 bar (70 Mpa)
Dispensers	2 (extra is optional)
Available nozzles	H35 – H35HF – H70 – H70MF – H70HF
Simultaneous refueling	included
Refueling duration example ⁽²⁾	
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
Min. active power (kW)	474 ⁽³⁾
Inlet module H ₂ supply	2
High pressure compressors (930 bar)	2
High pressure storage buffer	1 x 1600 L (extra is optional)
Medium pressure compressor (500 bar)	1 (extra is optional)
Medium pressure storage buffer	1 x 4800 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

⁽¹⁾ Optional - ⁽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: Enable Production, Flaticon - April 2025



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