

Mobile Hydrogen Refueling Systems



Accelerated deployment

Maximized uptime

Flexible solutions

Best-Suited Applications

Available for rent, these self-contained, trailer-mounted hydrogen refueling systems are designed for temporary or mobile deployment. These systems are capable of delivering fast-fill hydrogen to fuel cell electric vehicles (FCEVs) at both 350 bar and 700 bar in accordance with SAE J2601-2. Applications include:

- Fleet support
- Emergency fueling
- Demonstrations
- Remote fueling

Compliance and Certifications



SAE J2601-2
fueling protocol



DOT-certified
hydrogen tanks



ASME-rated
components (if used)



UL/CE-rated electrical components (where applicable)

Your Mobile Refueling Partner

With over six decades of experience in pneumatic and hydraulic systems, we provide mission-ready mobile refueling solutions for sectors like defense, energy, and public transit. Our hydrogen refueling platforms—supporting everything from unmanned aerial systems to municipal bus fleets—are engineered for reliability, safety, and full regulatory compliance.

Technical Specifications

Category	Specifications
Booster Compressor	Haskel H-Drive HGD 90/63, T20
Drive Type	Hydraulic (single H-Drive motor)
Compression Rate	Up to 1 kg/min hydrogen flow
Onboard Storage	60 kg hydrogen capacity
Storage Pressure	920 bar max
Dispensing Pressure	350 bar and 700 bar
Filling Standard	SAE J2601-2 compliant
Power Requirements	480 VAC, 60 Hz, 200 Amps
Mounting	Gooseneck trailer-mounted
Trailer Type	DOT-compliant with certified hydrogen tanks
Estimated Weight	~10,000 lbs
Ambient Operating Temp	-20°C to +45°C
Control System	PLC-controlled with safety interlocks and E-stop
Safety Systems	Overpressure protection, gas detection, thermal relief

Talk to our team today. Let's discuss how we can enable your mobile hydrogen needs.



TotalHydrogen.com



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