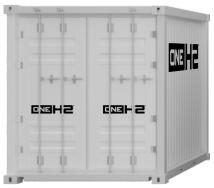
H200 H-SERIES HYDROGEN GENERATION PLATFORM

The H-Series design is based On the creation of modules to cover each of the process steps associated with generation of hydrogen gas. The H200 system generates 200 Kg per day of compressed gas to standard SAE J2719 at 7,500 PSIG.

- Generation at point of use eliminates deliveries and tanker/trailer traffic.
- Carbon intensity of on-site generation of hydrogen as a fuel is reduced by up to 50% when compared to conventional generation and distribution systems.
- Trailers offer convenient fuel portability and a compact storage footprint. This model is compatible with wet-hose fittings for the D35 and D70 dispensers, along with the mobile dispenser refueler.

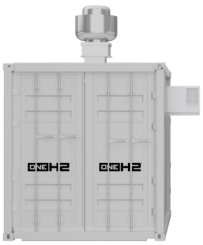
H200 H-SERIES HYDROGEN GENERATION PLATFORM

MODULE	OVERALL H200
FUNCTION	Hydrogen Generation System
PRODUCT OUTPUTS (TYPICAL MAXIMUM)	Up to 200 kg / Day Hydrogen Gas at 7,500 PSIG (Typical) or 14,500 PSI (Optional)
TURN DOWN CAPABILITY	50% - 100%
ELECTRICAL (TYPICAL MAX.@ 460 VAC 3 PH. 60 HZ)	152.5 kW / 257.2 FLA
PRODUCT INPUTS (TYPICAL MAXIMUM)	138 GPH Potable Water, 1.67 MMBtu/hr Methane
SERVICE INPUT (TYPICAL MAXIMUM)	Nitrogen Gas, 7.2 SCFH On Standby
DIMENSIONS	Site Layout Dependent
WEIGHT	Appx. 59,000 lbs
REFERENCE STANDARDS	NFPA2, NFPA 79, ASME B31.3
DESIGN LIFE	15+ Years



W400 MODULE

Purifies potable/city water and stores it until needed for hydrogen generation.

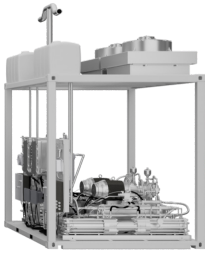


G200 MODULE

Combines purified water (from W400) and methane (from Grid) to generate low pressure impure hydrogen gas.

P400 MODULE

Purifies gas received from G200 to >99.9% purity and conformance with SAE J2719 standard.



C200 MODULE

Compresses gas received from P400 to 7,500 PSIG with option to 10,500 PSIG. Interfaces with OneH2 gas distribution modules.

SAMPLE H200 SETUP