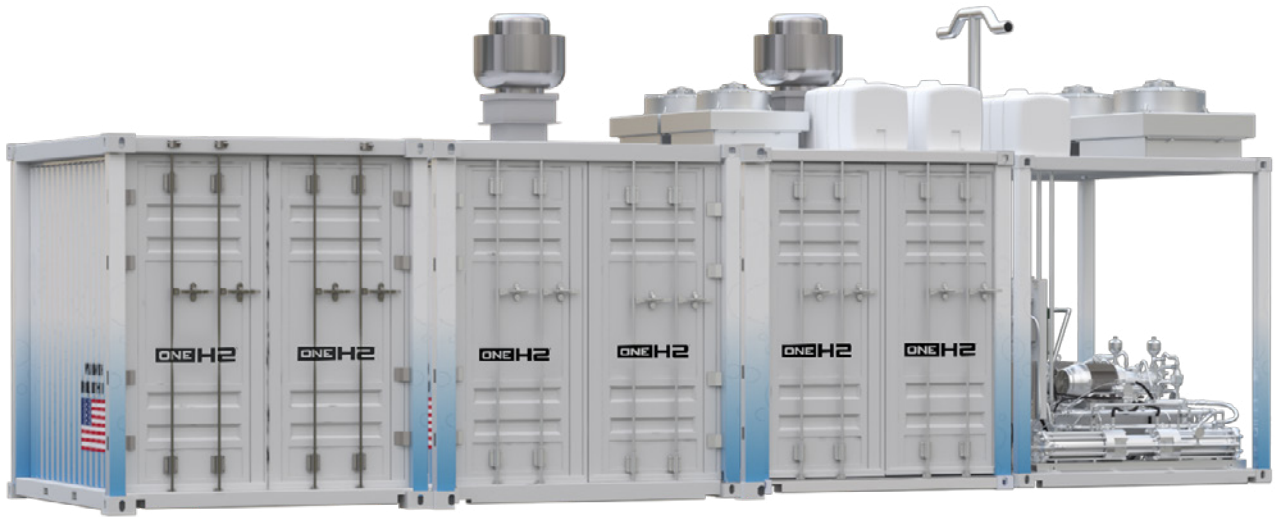




## H400B H-SERIES HYDROGEN GENERATION PLATFORM



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 H400B can produce 400 Kg per day.

Additionally, users can control the amount generated to fit their needs (200 Kg or 400 Kg.) The H400 can be turned down to 200 Kg a day when needed.



- 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.



# H400B H-SERIES HYDROGEN GENERATION PLATFORM

<b>PRODUCT OUTPUTS (TYPICAL MAXIMUM)</b>	Up to 400 kg / Day Hydrogen Gas at 14,500 psig
<b>TURN DOWN CAPABILITY</b>	25% - 100%
<b>ELECTRICAL (TYPICAL MAX. @ 460 VAC 3 PH. 60 HZ)</b>	Included natural gas power generator, 480 VAC. Usable as both standby or prime power.
<b>PRODUCT INPUTS (TYPICAL MAXIMUM)</b>	98.6 Nm <sup>3</sup> /hr, 3780 SCFH, 2.00 MMBtu / hr 69.7 m <sup>3</sup> /hr, 2460 SCFH (Full load) 0.227 MMBtu / kg of H <sub>2</sub>
<b>SERVICE INPUT (TYPICAL MAXIMUM)</b>	Nitrogen Gas, 60 Nm <sup>3</sup> , 2282 SCF per startup / shutdown
<b>DIMENSIONS</b>	Height: 4.52 m (14.8ft), Width: 3.23 m (10.6ft), Length: 16.15 m (53.0 ft)
<b>WEIGHT</b>	35,380 kg (78,000 lbs)
<b>INSTALLATION TIME</b>	1 week
<b>ADDITIONAL ACCESSORIES</b>	Natural gas (Sulphur) analyzer, hydrogen gas analyzer, hydrogen output refrigeration system



## W400 MODULE

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



## G400 MODULE

Using Autothermal Reformer technology, the G400 combines purified water (from W400) and methane (from Grid) to generate low pressure impure hydrogen gas.



## P400 MODULE

Purifies gas received from G400 to >99.9% purity and conformance with SAE J2719 standard.



## C400 MODULE

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



## GENERATOR

Natural Gas Generator provides power to the H400 system.

## SAMPLE H400B SETUP

