

Q12.4-H2-FS - Hydrogen Fueling Station



Product Description

This system dispenses hydrogen for fast, easy-to-operate refueling of hydrogen fuel-cell passenger vehicles and trucks.

- Fueling station for cars has a 700-bar (70-MPa) hose.
- Fueling station for trucks has a high flow rate to minimize delays for high capacity vehicles.

Main System Components

- **Compressed Gas Storage**
 - Complex storage with multiple vessel trans-fill system
 - Carbon fibre high pressure cylinders
 - Additional external storage optional
- **User Interface**
 - Easy-to-use touchscreen interface
- **Safety Features**
 - Industry standard infrared vehicle communication
 - Flame- and gas-leak-detecting sensors
 - Emergency stop and automatic shutdown

Can be customized for end user specifications

Filling Station Specifications

Fill Pressure	700 bar at 15°C
Max. Fill Rate	3.6 kg/min
Hydrogen Gas Storage Capacity	Customizable
Hydrogen Gas Purity	99.999%
Installation Requirements	Outdoors
Ambient Temperature	-20 to 50°C (-4 to 122°F)
Operation	Touchscreen interface
Service Life	Minimum 10 years

If you're looking to produce high grade hydrogen, QUANTUM may have a solution for you. Call +1 604 222 5539 to connect with our technical/sales staff.