



Portable Hydrogen Refueling

FTCASE eliminates the complexities of gaseous hydrogen refueling and simplifies the process for all markets. This groundbreaking product enables the rapid deployment of hydrogen-powered vehicles and heavy-duty equipment, eliminating a major barrier to widespread hydrogen adoption: the complete lack of accessible and convenient fueling infrastructure.

Available now.

Flexibility as a Feature

- Portable design enabling any industry to implement hydrogen refueling on location.
- One person set-up, anywhere.
- Supports industry standard connections.
- Fuel rain or shine.
- Field-validated, software-controlled technology to ensure that every fueling operation is safe.
- Hardware-as-a-service offering provides continuous service for maximum uptime, automatic updates and improvements, and reduces cost of ownership.
- Rated for source pressure up to 1000 bar.

Applications

Trucks
Buses
Cars
Vans
Locomotives
Stationary Power Systems
Port Equipment
Forklifts
Gantry Cranes
Mining
Construction/Agriculture
Commercial Vessels

Sample Fill Times



Can fuel any of these in approximately 20 minutes or less.

*Given adequate source pressures and volumes

FTCASE Technical Specifications



Physical Specifications

Dimensions (L x W x H) mm	21"W x 16"D x 11.7"H
Weight	95 lbs
Power Requirements	Standard 120 VAC outlet
Weather Resistant Rating	IP65 with lid closed, IP54 with lid open
Transportation	2 man lift, 1 man transport
Vent Stack	Included
User Interface	HMI Touchscreen
Operational Temperature	30F to 115F [-1C to 46C]
Durability	Hardened case with interior dampening
Connections	Keyed quick connects

Performance

Min / Max Flow Rate Range	0.25 kg/min - 6 kg/min
Max Source Pressure	1000 bar (given properly rated hoses)
Fill Pressure	Up to 1000 bar
Media	Gaseous
Flow Metering	Dispensed hydrogen estimator included
Com Fill	Coming second half of 2024
Automation	Customizable filling profiles + filling procedures

Safety

Safety Automation	Automatic leak check, shutdown and purging
Minimum Electronics Classifications	NEC Class 1 / Div 2 and IEC Zone 1



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