

Hydrogen Compressor Dispenser Skid

BayoTech's Compressor Dispenser Skid is an economical, easy to deploy solution for fueling small fuel cell vehicle fleets.

INFRASTRUCTURE FOR FUEL CELL VEHICLE REFUELING

The Compressor Dispenser Skid (CDS) combines a compact hydrogen compressor and a 350bar dispenser integrated onto a skid-mounted platform. The CDS is a quick-to-deploy refueling solution for growing hydrogen fuel cell vehicle fleets. It can serve as a temporary fueling solution for pilot programs or be utilized as a small-scale, permanent installation for a variety of motive fuel cell applications.

The CDS can be easily shipped and installed at a customer site with minimal site improvements. Permitting for a CDS installation is straightforward and complies with appropriate SAE, NFPA, and NEMA requirements.

The CDS can be configured in two scenarios to provide customers fast-fill and additional bulk storage options.

Compressor	
Type	Oil-less piston
Stages	3
Motor Size	25 hp
Power	480V 3 phase
Certifications	NEMA Class 1, Div 2
Flow Rate	140 kgs/day
Outlet Pressure	6525 psig / 450 bar
Dispenser	
Rated working pressure	350bar
Max working pressure	438bar
Mass flow meter	Rheonik
Filling nozzle	WEH TK16-35 with breakaway
Display	LED with POS options
Fill protocol	SAE J2601
Skid	
Construction	Steel, welded, anodized, painted
Safety	Remote emergency shutdown
Dimensions	15' long x 8' wide x 11' high

Specifications are subject to change without notice. Updated 8/2021.

FEATURES

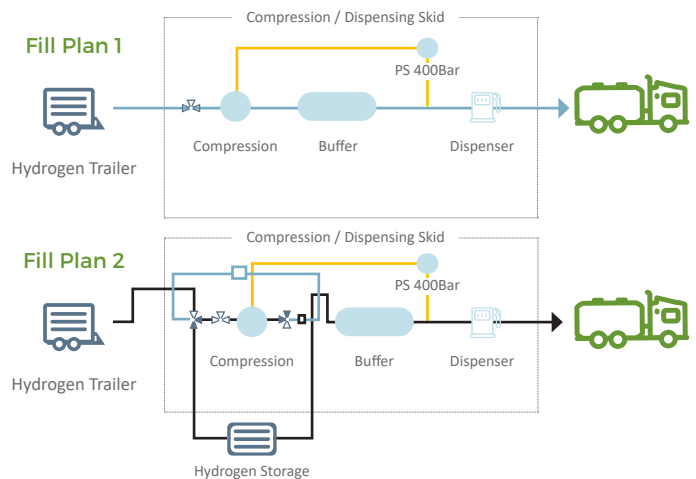
- » 350bar dispensing for medium- and heavy-duty vehicles
- » Skid mounted system for simple siting
- » Low maintenance compressor
- » Scalable hydrogen storage options to match demand
- » Integrated safety systems

APPLICATIONS

Motive fuel cell applications including:

- » Buses
- » Medium- and heavy-duty trucks
- » Forklifts
- » Port vehicles
- » Maritime vessels

HYDROGEN STORAGE CONFIGURATIONS



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