



Hydrogen Fueling Station Dispenser

State-of-the-art dispenser with integrated point-of-sale and pre-cooling for your hydrogen dispensing application.

KEY FEATURES

- Standalone one-piece dispenser with integrated T20 or T40 pre-cooling and point-of-sale system
- State-of-the-art centralized control system delivers a safe, easy, and fast fueling experience
- 35 MPa and 70 MPa, single and dual hose configurations available
- Configurations available for light-duty passenger, medium/heavy-duty (trucks and buses), and industrial truck applications

- Centralized control system with remote connectivity
- Customized branding wrap available for dispenser body
- Customizable 12" screen, and user interface

SAFETY FEATURES

- Integrated flame detection, hydrogen detection, and over-pressure protection
- Advanced safety controls designed by our Functional Safety accredited engineers
- Equipment designed and validated in accordance with ANSI/CSA HGV 4.1

SPECIFICATIONS

	HD35-100	HD70-300	HD70-1000
Maximum Capacity	100 kg/day	300 kg/day	1,000 kg/day
Outlet (Nom. Dispensing) Pressure	35 MPa	70 MPa	70 MPa
Minimum Allowable Inlet Pressure	20 bar or 70 bar	20 bar or 70 bar	20 bar or 70 bar
Nominal (Maximum) Flow Rate	120 g/s	120 g/s	120 g/s
Dimensions (W x D x H)	4'6" x 2'6" x 9'6"	4'6" x 2'6" x 9'6"	4'6" x 2'6" x 9'6"
Integrated Point-of-Sale	Yes (US and Canada) ¹ , PCI-DSS compliant		
Pre-Cooling Class	T20 or T40		
Ambient Operating Temperature	Standard Option -10C to +40C (Low Temp Option -40C to +40C)		
Operating Voltage (Dispenser)	120 VAC, 50/60 Hz		
Fueling Protocol	SAE-J2601-1, -2 2020 (Table & MC Method)		
Approvals (Marking)	ANSI/CSA-HGV 4.1 (ETL)		

¹ Other markets possible, please enquire.

ABOUT POWERTECH LABS:

Powertech Labs Inc. is one of the largest testing and research laboratories in North America, situated in beautiful British Columbia, Canada. Our 11-acre facility offers 15 different testing labs for a one-stop-shop approach to managing electrical utilities, and testing gas components, pressure vessels and systems.

Outside of the utilities industry, Powertech provides routine testing capabilities, product development, research and consulting services to support an array of industrial-type operations, electrical equipment manufacturers and automotive original equipment manufacturers.

www.powertechlabs.com



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