

HYDROGEN REFUELLING

WALL-MOUNTED DISPENSER 250/350/700 BAR

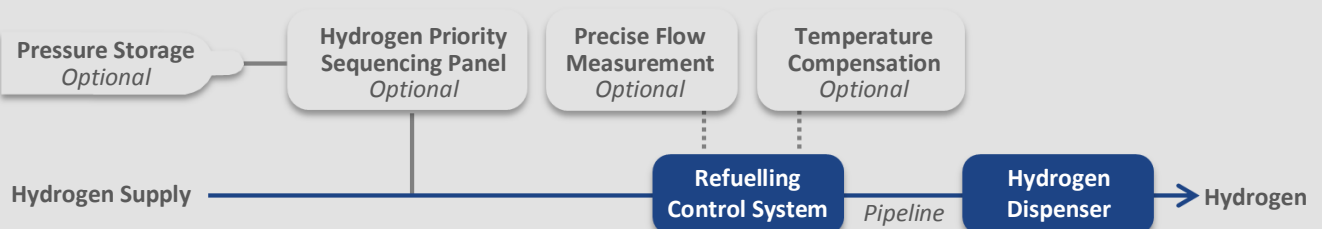


H2 Logic supply unique designed hydrogen dispensers for fast, safe and easy refuelling of hydrogen to material handling and road vehicles. The dispenser can be placed as wall-mounted outdoor or indoor. H2 Logic offers a complete solution with options such as precise flow measurement, temperature compensated refuelling and hydrogen priority panel with a pressure storage system.

MAIN FEATURES & OPTIONS

- Dispenser wall-mounted (250/350/700bar)
- Refuelling control system
- Precise flow measurement
- Temperature compensated refuelling
- Hydrogen priority sequencing panel
- Pressure storage (200-1000 bar flexible capacity)
- Online monitoring & surveillance control system
- Exterior packaging & design based on customer needs
- Handling of installation & authority approval process
- Third party certified according to safety regulations
- Full service package

SYSTEM LAYOUT



TECHNICAL SPECIFICATIONS

WALL-MOUNTED

Maximum Design Pressure	350bar / 450 bar / 875 bar
Filling Pressure	250bar / 350bar / 700 bar
Dimensions (Width X Depth X Height)	450mm x 250mm x 600 mm
Media operation temperature:	-40°C to +85°C
Ambient temperature Range:	-20°C to +65°C
Minimum- maximum flow meter rate	0.1–4.0 kg/min
Ex-identification	For hazard installation Zone 1+2 (ATEX)
Directives and Standards	CE marked, ATEX, PED, EMC
Refuelling Nozzle options	Tk4 / Tk16 / TK17 (optional communication)
Materials	Steel, white/grey paint, corrosion class 4H
Refuelling control system	Integrated
Weight:	75 kg
IP class:	IP 66
Hose length:	Approx. 2,5m
User interface	Operation buttons & indicator lamps / key card (optional) / payment module (optional)
Safety features:	Break away and H2 detector
Other/options	Optional precise flow measurement of refuelled hydrogen with Coriolis mass flow metering principle
	Optional temperature compensated refuelling ensuring complete fill of vehicle
	Optional hydrogen priority sequencing panel for controlling flow to/from high pressure storage
	Optional high pressure storage (200-1000 bar) with flexible storage capacity
	Optional online monitoring & surveillance control system: HMI display interface (Onsite/Remote) / Webscada Customized program interface. Remote administration support available
	Exterior packaging & design: White or grey painting with customer specified graphics.
	Optional handling of installation & authority approval process
	Optional full service contract

H2 LOGIC A/S

INDUSTRI PARKEN 34 | 7400 HERNING | DENMARK

PHONE: +45 96 27 56 00 | FAX: +45 97 14 08 99

E-MAIL: INFO@H2LOGIC.COM | WEB: WWW.H2LOGIC.COM

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Hydrogen Fuel Cell Motive Power Solutions