

HYDROGEN REFUELLING

STAND-ALONE DISPENSER 250/350/700 BAR

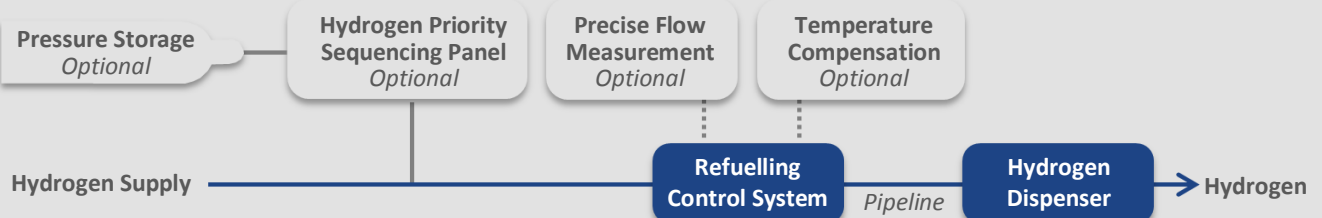


H2 Logic supply unique designed hydrogen dispensers for fast, safe and easy refuelling of hydrogen to material handling and road vehicles. The dispenser can be placed outside under roofing or integrated in station. H2 Logic offers a complete solution with options such as precise flow measurement, temperature compensated refuelling & priority panel with pressure storage system.

MAIN FEATURES & OPTIONS

- Dispenser stand-alone (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

STAND-ALONE

Maximum Design Pressure	350bar / 450bar or 875bar
Filling Pressure	250bar / 350bar or 700bar
Dimensions (Width X Depth X Height)	800mm x 550mm x 1850mm
Media operation temperature:	-40°C to +85°C
Ambient temperature Range:	-20°C to +65°C
Minimum- maximum flow meter rate	0.1kg /min – 3kg/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	Stainless steel, white paint, corrosion class 4H
Refuelling control system	Integrated
Weight:	95 kg
IP class:	IP 66
Hose length:	Approx. 2m
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. Uniquely designed roofing available for outside placement of stand-alone dispenser.
	Optional handling of installation & authority approval process
	Optional full service contract

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Hydrogen Fuel Cell Motive Power Solutions