

70MPa CAR dispenser – DI001

Compact hydrogen dispenser for H2Station®

- World's most compact hydrogen dispenser – one-third the size of gasoline dispenser.
- Easy installation with no underground temperature conditioning equipment.
- Flexible placement at site up to 50 meters from the Station Module (SM001).
- Can be placed next to gasoline dispensers and share fueling lanes – useable from both sides.
- Intuitive designed user interface and nozzle handling with IFSF connection to external POS.
- Refueling protocol SAEJ2601-1 verified by Bureau Veritas and validated by leading CAR OEMs.

Specifications

Operating pressure:	Nominal: 70MPa Maximum: 87.5MPa
Quantity range:	1-7kg hydrogen per fueling
Metering measurement:	Coriolis mass flow meter
Fueling time:	3-5 minutes according to SAE J2601-1 2016
Nozzle temperature:	T40 (-40°C) – precooling fallback to T30
Nozzle design:	In accordance with SAEJ2600 and SAEJ2799 (IR)
Hose length:	2.5 meters
Dimensions:	L: 520mm W: 520mm H: 2500mm
User interface:	Start and stop buttons with indication lamp
Display:	Electronic calculator LED backlight panel showing price per kg, quantify fueled, and total price.
Point of Sales interface:	International Forecourt Standards Forum 2.32
Visual appearance:	Optional graphical foil with customer branding
Weather resistance:	Suitable for outdoor installation
Operating temperature:	-20°C to 40°C
Placement at site:	Up to 50 meters from Station Module (SM001)
Installation platform:	Underground pit box for pipe and connections – no temperature conditioning required at dispenser
Scope and interface:	Turnkey for connection with Station Module (SM001)
Safety equipment:	Mechanical and Safety Instrumented System IEC61511
Approvals & certifications:	– CE marked – PED (2014/68/EU) Notified body Bureau Veritas – SAEJ2601-1 2016 verification by Bureau Veritas

