



Arco Technologies Inc

Arco Technologies

Advanced Energy Systems

Powering the future

DATA SHEET

HRS

Hydrogen Refueling Station



MODULAR

Arco Hydrogen Refueling Station are modular all in one station able to deliver up to 25 kg of hydrogen at 350 bar per day.



Typical application areas

- Material Handling
- Light Duty Vehicles
- Small Scale Demonstration Project for heavy duty vehicles

HRS advantages

- Amazing and Modular Design: fits in a single space
- Electrolysis;
 - Purification;
 - Compression;
 - Storage;
 - Dispensing.
- Easy and Low Permissions Installation
- Fast Refuelling Time and Easy Operation Mode
- Efficient Refueling
- Easy Servicing and Maintenance
- High Safety Operation
- CE certified
 - Machine Directive
 - PED Directive
 - Low Voltage Directive
 - EMC Directive
 - ATEX Directive
 - ROHS Directive

They also comply with:

- ISO 22734-1; ISO TS 19880-1; ISO 14687-2- ; SAE J2719; SAE J2601

Upon request it is possible to build also complying with Nord America standards.

Refueling Station model**Hydro2Fuel**

<i>Nominal daily capacity</i>	25 kg/day
<i>Hydrogen Dispense Pressure</i>	200 / 350 / 700 bar
<i>Hydrogen Purity</i>	as per SAE J2719 and ISO 14687-2
<i>Power Supply</i>	3 Phases AC power / 50÷60 Hz
<i>Nominal Consumption (active power)</i>	65 kW
<i>Installation</i>	Indoor and Outdoor
<i>Ambient Temperature</i>	-20 °C to 40 °C
<i>Conformity</i>	CE Certified

Arco Technologies general description

Arco Technologies is at the forefront of the clean energy sector and in promoting a low-carbon transition through its proton exchange membrane (PEM) cells and, more recently, anion exchange membrane (AEM) electrolyzers. With over 20 years of experience in hydrogen-related electrochemical technologies, we have developed expertise in all aspects, from electrodes to stacks and system equipment, making us experts in system integration as well. In addition to offering a portfolio of standardized products, we develop custom solutions for clients and provide support during the integration phase.

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