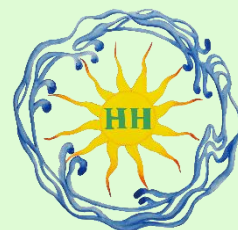


HYDROGEN REFUELLING STATION



FUEL OF THE FUTURE

HUMBLE HYDROGEN



HYDROGEN REFUELLING STATION

Humble Hydrogen dispensers offer high-quality, innovative solutions for hydrogen dispensing needs. Designed to resemble standard dispensers, they offer various configurations and options, including single or dual hoses, cabinet styles, metering options, and internal sequencing, suitable for various applications.

About Our Dispenser

Hydrogen Gas Dispenser". It is the key equipment required to refill the empty hydrogen storage tanks that are present inside your fuel cell electric vehicles or any other hydrogen gas-powered mobile applications

- ❖ Humble Hydrogen offers a unique set of 350, 700 and hybrid 350/700 bar dispensers.
- ❖ Safety & Quality Assured with both slow refill and fast refill solutions
- ❖ Light and efficient. It can accommodate small, medium & large fleet of vehicles operators
- ❖ Compact & fully automated computerized payment system using the international standard Forum along with touchless card solutions
- ❖ Complying with different national and international standards and codes
- ❖ Low maintenance cost and durable



Specification Sheet of Dispenser

Specification Parameter	H35	H70	LIO HYBRID
IR communication	SAE J2799	SAE J2799	SAE J2799
Hydrogen Delivery Protocol	SAE J2601 Refuelling protocol	SAE J2601 Refuelling protocol	Designed in accordance with SAE J2601
Pressure Output (bar)	350 Bar	700 Bar	350bar & 700 bar
Dispenser nozzle options	Single or Multi hose and nozzle solution available	Single or Multi hose and nozzle solution available	Multi hose and nozzle solution
Operating gas temperature (°C)	-40 to 85	-40 to 85	-40 to 85
Safety equipment	ATEX, SIL2/ SIL3, Gas Group IIC and PESO Certified.	ATEX, SIL2/ SIL3, Gas Group IIC and PESO Certified.	ATEX, SIL2/ SIL3, Gas Group IIC and PESO Certified.
Instrumentation approvals	CE, ATEX	CE, ATEX	ATEX
Refueling receptacle compliance	ISO 17268 AIS-157	ISO 17268 AIS-157	ISO 17268 AIS-157
Environment	Weather resistance Suitable for outdoor installation	Weather resistance Suitable for outdoor installation	Weather resistance Suitable for outdoor installation
Targeted hydrogen storage per car (kg/vehicle)	15 Kg	15 Kg	5 Kg
Flow rate range (kg/min)	3.6 Kg/min	3.6 Kg/min	1.8 to 3.6 Kg/min
Full tank refuelling time per bus (minutes)	Maximum 15* - 20* minutes in ideal conditions	Maximum 15* - 20* minutes in ideal conditions	2* to 5* minutes in ideal conditions