

# H<sub>2</sub> HYDROGENATION DISPENSER

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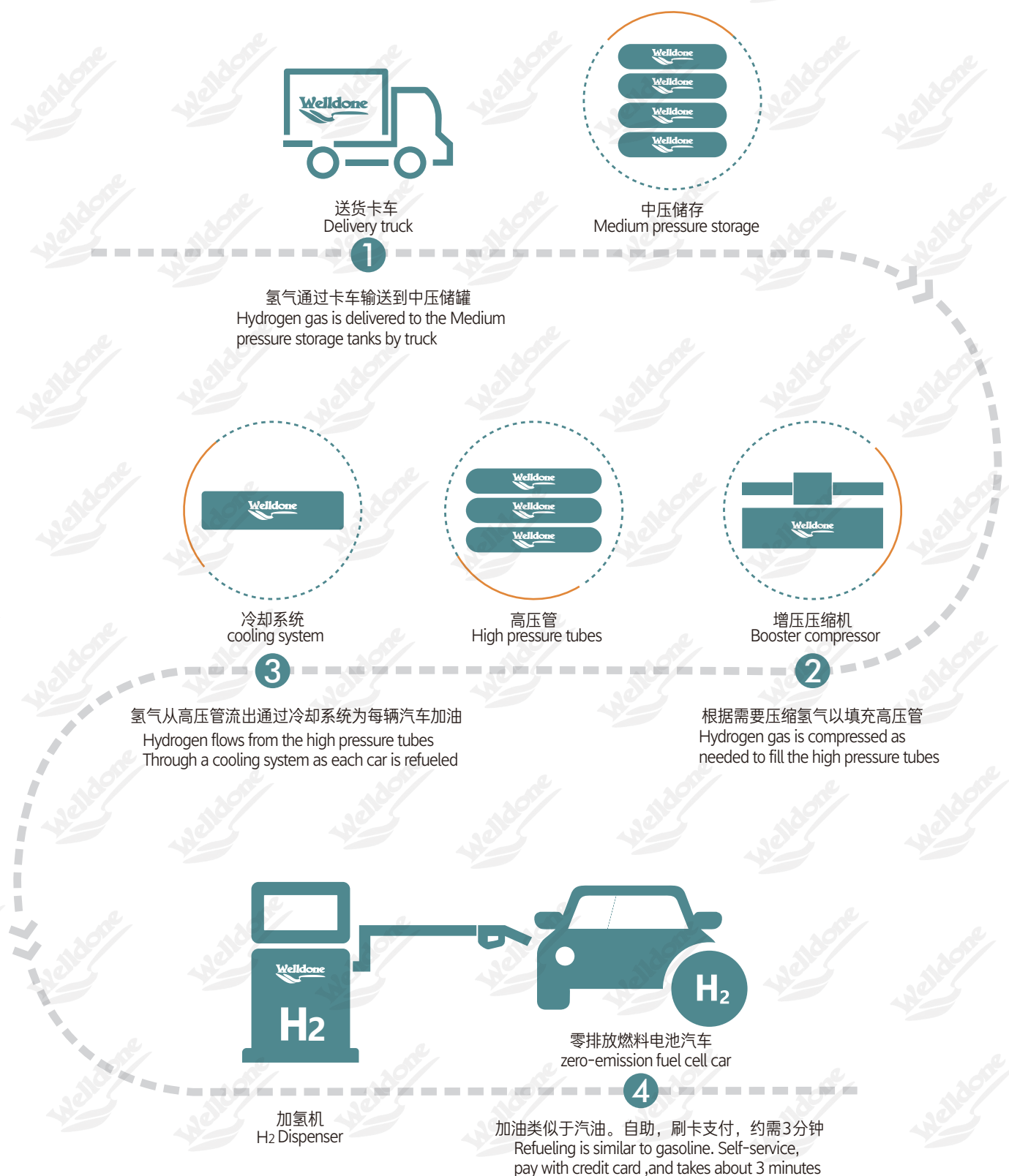
Welldone 汇洋能源



加氢机是用于加氢站给汽车提供压缩氢气燃料或天然气混氢燃料充装服务,并带有计量和计价等功能的专用设备。本系列加氢机采用高性能的工控微处理器、高精度的质量流量计测量系统、液晶屏显示器等设备确保了计量和计价的准确性。加氢机采用防爆的电控装置、拉断阀、防爆急停按钮等安全装置,确保加氢机在爆炸环境中使用安全可靠。加氢软管与加气机之间设置拉断阀,当软管所受外力大于600N时,拉断阀断开并封闭防止泄露。达到保护加气机的目的;加氢机内设置有可燃气体探测器和温度探测器,当氢气泄漏达到探测器报警值时或管道内介质温度过高,加氢机均可自动停机。

Hydrogen dispenser is a special equipment used in hydrogen filling station to provide compressed hydrogen fuel or natural gas mixed hydrogen fuel filling service for cars, it has metering and pricing functions. This series of hydrogen dispenser adopts high-performance industrial control microprocessor, high-precision mass flow meter measurement system, LCD display and other equipment to ensure the accuracy of measurement and pricing. The hydrogen dispenser adopts explosion-proof electronic control device, breakaway valve, explosion-proof emergency stop button and other safety devices to ensure the safe and reliable use of the hydrogen dispenser in explosive environment. There has a breakaway valve between the hydrogenation hose and the gas dispenser. When the external force on the hose is greater than 600N, the breakaway valve is disconnected and closed to prevent leakage, to achieve the purpose of protecting the gas dispenser; the hydrogen dispenser is equipped with a combustible gas detector and temperature detector. When the hydrogen leakage reaches the detector alarm value or the temperature of the medium in the pipeline is too high, the hydrogen dispenser will stop automatically.

# 加氢过程 Overview of hydrogen refueling process



加氢过程示意图 Diagram of the refueling process



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## 标准特性 Standard features

单面和双面显示 Single and Dual Dispenser

目标填充压力: 3,600 psig (230 巴);  
Target Filling Pressure: 3,600 psig(230 barg);

5,000 磅/平方英寸 (350 巴);  
5,000 Lbs/sq Ft (350 Barg);

10,000 磅/平方英寸 (700 巴);  
10,000 Lbs/sq Ft (700 Barg);

标准 (分压等可用选项)  
standard(split pressure and other options available)

最大允许工作压力: 所有系统组件,最高 12,750 psig (875 barg) MAWP,温度补偿至 15°C

Maximum Allowable Working Pressure: all system components up to 12,750 psig (875 barg) MAW Temperature Compensated to 15°C

流速: 8 Kg/min 和 12 Kg/min

Flow Rates: 8 Kg/min and 12 Kg/min

可用的分流选项,每个分配器最多六个入口,取决于管道尺寸和阀门

Split Flow options available,Up to six inlets per dispenser,depending on tubing size and valve

配置:内部管道不锈钢,提供 3/8" 和 1/2" 尺寸,取决于流量特性,期望和最佳匹配站.

configuration:Internal Piping Stainless Steel,available in sizes of 3/8" and 1/2",depending on flow characteristics,desired and to best match station

主显示器: 大型背光 LCD,总销售额、交易量的主显示和单位价格,或目标压力,实际压力、温度涂漆的面板和门,黑色 (标准)

Primary displays: large backlit lcd,main display for total sale, volume and price per unit, or target pressure,actual pressure, temperature,panels and doors Painted,black (standard).

## 机械控制和阀门 Mechanical controls and valves:

手动外部截止阀,每边 1 个,内部电磁阀或大流量驱动球阀.一个内部液体填充压力,每根软管的规格,排序之间的单向阀阀门,内部管道连接,可用尺寸为 3/8" 和 1/2" 取决于关于所需的流动特性和最佳匹配站配置一个 ASME 泄压阀,软管 1/2" 排气管柜内氢气检测仪.

Manual external shut-off valves,1 per side,internal solenoid valves or high-flow actuated ball valves.one internal liquid filled pressure,gauge per hose,check valve between sequencing.Valves internal piping connections, available in sizes of 3/8" and 1/2" depending on flow characteristics desired and to best match station configuration one asme pressure relief Valve/hose 1/2" vent line hydrogen gas detector in cabinet.

## 可用选项 Available options:

全彩 10.4" TFT 高分辨率展示,用于零售借记的加密密码键盘和 EMV 信用卡申请 (待完成),安全读卡器用于零售的高速 USB 打印机应用定制化,以品牌为中心图形面板,多媒体能力 - 视频和音频具有客户交互能力,通过显示软键,突出的分配器顶篷用于增强客户品牌.

Full color 10.4" tft high-resolution display,encrypted pin pad for retail debit and emv credit card application(pending completion),secure card reader high speed usb printer for Retail applications ,customized, brand-centric graphic panels,multimedia capable - video and audio,with customer interaction capability via display soft keys,prominent dispenser Canopy topper for enhanced customer branding purposes.

操作环境: -40°C 至 +40°C

Operating environment:-40°C to +40°C

湿度: 10-95% Rh

Humidity : 10-95% Rh

提供 120 VAC 加热器

120 VAC heater available

对于温度 <-20°C

for temps <-20°C

电压:120 VAC 标准, 220/240 VAC 可用的

Voltage:120 VAC standard, 220/240 VAC available

安培数: 10 到 15 安培, 具体取决于关于选项

Amperage: 10 to 15 Amps depending on options

单相:60 赫兹、50 赫兹可用,+/- 10% 公差

Single Phase:60 Hz, 50 Hz available,+/- 10% Tolerance



## ABOUT US

We are the gas station equipment supplier in Hydrogen Energy, Liquid Natural Gas, Compressed Natural Gas, Liquid Petrol Gas, Fuel, Adblue, EV charger, Home Energy Storage, Industrial Energy Storage area. If you are doing the same range business, if you are interested in new energy, welcome you to visit us!

We have many certificates like ISO, CE, ATEX, PED, TUV, PEI, CPA, CMA, Explosion proof certificates and soon. We have our own Patent and copyrights.

Wish our products, our service can give you a strong impression.

Well Quality We Done! Well Service We Done! Well Price We Done!

We are Welldone Group!

## HONOR



Fuel Dispenser ATEX



LNG Dispenser ATEX



Mobile Gas Station ATEX



LNG Dispenser PED



Submersible Turbine Pump ATEX



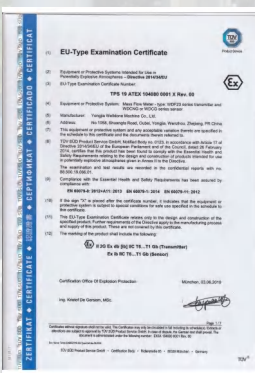
Junction Box ATEX



LPG dispenser ATEX-D



LPG dispenser ATEX-B



Mass Meter ATEX



Positive Displacement Meter CE



Mobile Gas Station CE



Adblue Dispenser CE



LNG Dispenser CE



CNG Dispenser CE



LPG Dispenser CE



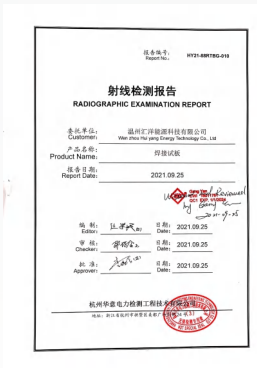
Fuel Dispenser CE



EV Charger TUV



PEI



Radiographic Examination Report



CNG Dispenser Explosion Proof CMA



LNG Dispenser Explosion Proof CMA



PQR Test Report



Patent Certificates For Management System



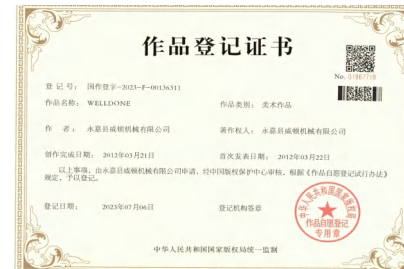
Factory ISO



LNG Dispenser CPA



CNG Dispenser CPA



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