

H₂
Hydrogen
station
:

Mobile H₂ Station & Trailer



Hanyoung Technochem co.,LTD.



Hydrogen Production and Transportation

H₂ Manufacturing and Terminal

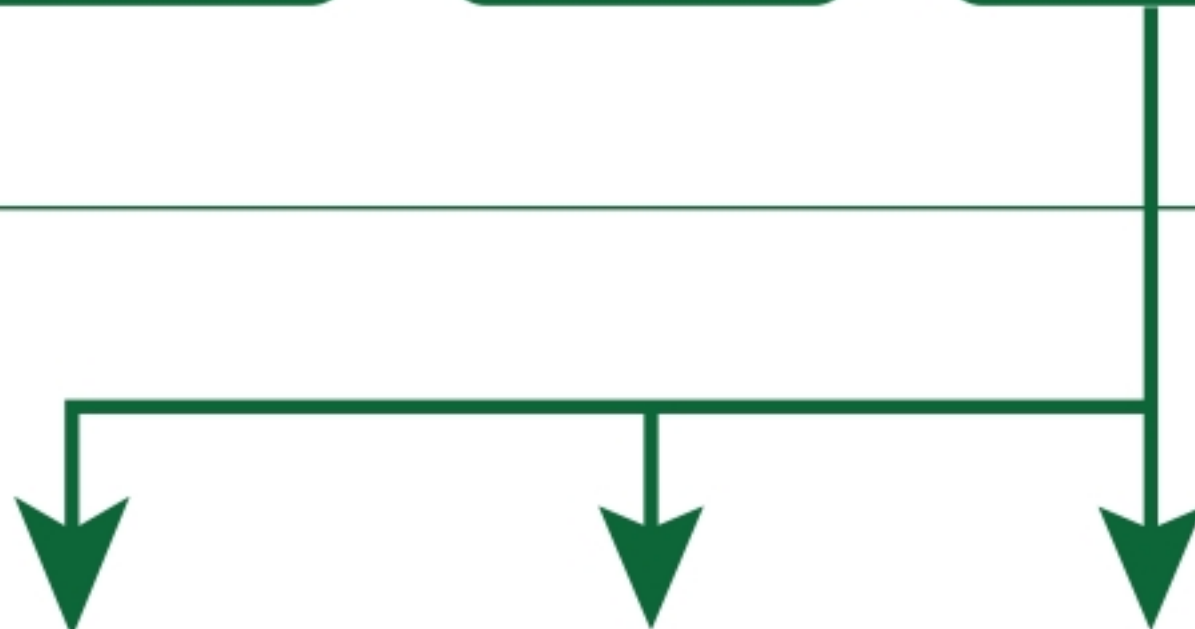
Production



Storage



Compress



H₂ Transport and Refueling Truck



Transport Trailer



H₂ Refueling Station



L.P. Refueling Station

Hydrogen Transportation and Refueling

H₂ Transport Trailer

Storage Pressure: 200 ~ 450 bar

Refueling Pressure: 200 bar



H₂ Refueling Station





H2 Transportation and Refueling Station

Mobile Refueling Station

Storage Pressure: 450bar

Refueling Pressure: 700bar



Specification

Model Name	Vehicle	Container Size	Storage Volume	Filling Capacity
HYFH-M100	14TON	L 9500 x S 2438 x H 2896	1,900m ³	100m ³ /h
HYFH-M200	18TON	L 9500 x S 2438 x H 2896	3,800m ³	150m ³ /h
HYFH-M500	25TON	L 9500 x S 2438 x H 2896	7,650m ³	200m ³ /h

H₂

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H₂ Transportation and Refueling Station

Refueling Flow



Utility		Safety System	
Power equipment	Cooling facility	Fire safety	Gas alarm

Configuration Equipment



14Ton



Compressor



Compressor Vessel



Storage Vessel



Refrigerating Machine



Dispenser



H2 Transportation and Refueling Station

Mobile Refueling Station



Storage Vessel



Refrigerant Equipment

Configuration Equipment



construction machinery



fork lift



self-driving car

Small Hydrogen Refueling Unit

Small H₂ Refueling Unit



Specification	
H ₂ generator	0.5kg /h
H ₂ Compressor	10bar ~ 700bar
Refueling Skid	700 bar



H2 Refueling Equipment

Piston Type Compressor (For Mobile and Package)



20Nm³/h



50Nm³/h



200Nm³/h

Specification

Model	HYCC-R20	HYCC-O50	HYCC-O200
Intake Pressure Range	100bar	100bar	100bar
Maximum Exhaust Pressure	900bar	900bar	900bar
Maximum Exhaust Capacity	20Nm ³ /h @100bar	50Nm ³ /h @100bar	100Nm ³ /h @100bar
Characteristic	Wide pressure range, completely oil-free, hydrogenation station, chemical applications. Customized design can be carried out according to the user's working conditions.		

H₂

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H₂ Refueling Equipment

Diaphragm Type Compressor (Large Capacity)



GM 35



H2 Compressor Unit



Gm 3528



Gm 6844

Specification

Model	GM35	GM3528	GM6844
Intake Pressure Range	50~200bar	50~200bar	10~30bar
Maximum Exhaust Pressure	450bar	900bar	220bar
Maximum Exhaust Capacity	745Nm ³ /h @200bar	745Nm ³ /h @200bar	745Nm ³ /h @22bar
average Exhaust Capacity	500kg/12h@1.6	500kg/12h@12.5	500kg/12h@1.6
Characteristic	Wide pressure range, completely oil-free, hydrogenation station, chemical applications. Customized design can be carried out according to the user's working conditions.		

H₂ Refueling Equipment

Excess Flow Valve



Excess Flow Valve system

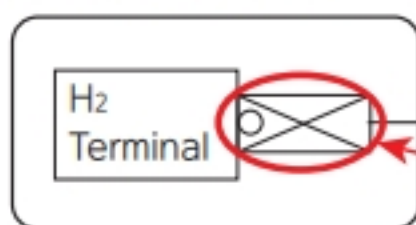


Excess Flow Valve

Specification	
Connecting Size	3/8", 9/16"
Setting Pressure	20 Mpa, 45Mpa, 87Mpa
Design Pressure	105 Mpa

Application Case

A. Trailer Refueling Station

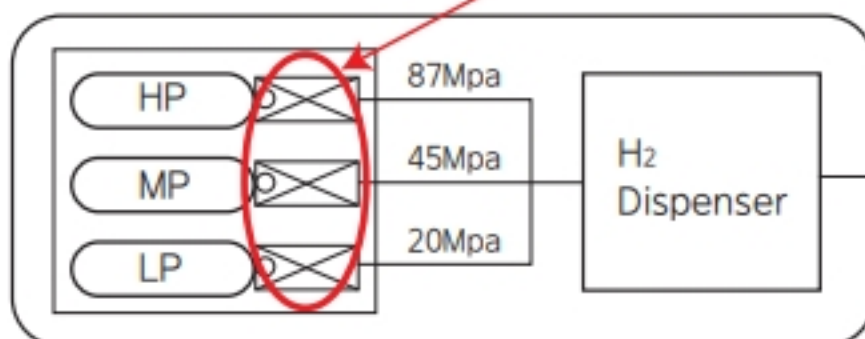


Trailer A - 45 MPA



Trailer B - 20 MPA

B. Mobile Refueling Station



H₂ Cylinder Test Equipment



H₂ Cylinder Module



H₂ Compressor Skid



H₂ Purge System



H₂ Leak Test System



H₂ Supply System

H₂

Hydrogen
station
:



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