

H₂

Hydrogen
station



Mobile H₂ Station & Trailer



Hanyoung Technochem co.,LTD.



Hydrogen Supply Chain

Hydrogen
Production
Facilities



H,P (700 BAR)Filling Station



L,P (70 BAR)Filling Station



200bar



450bar

H₂

H₂

H₂ Mobile Filling Station



fork lift



self-driving car



hydrogen ship



hydrogen train



construction machinery



drone



hydrogen car

H₂ Filling Station





Mobile H₂ Filling Station

High Pressure Type (700 Bar)



Filling Flow System



Utility		Safety System	
Power equipment	Cooling facility	Fire safety	Gas alarm

Specification

Model Name	Vehicle	Container Size	Storage Volume	Filling Capacity
HYFH-M100	14TON	L 9,500 × W 2,438 × H 2,896	1,900m ³	100m ³ /h
HYFH-M200	18TON	L 12,000 × W 2,438 × H 2,896	3,800m ³	150m ³ /h
HYFH-M500	25TON	L 14,000 × W 2,438 × H 2,896	7,650m ³	200m ³ /h



Configuration Equipment



14Ton



Compressor



Compressor Vessel



Storage Vessel



Refrigerating Machine



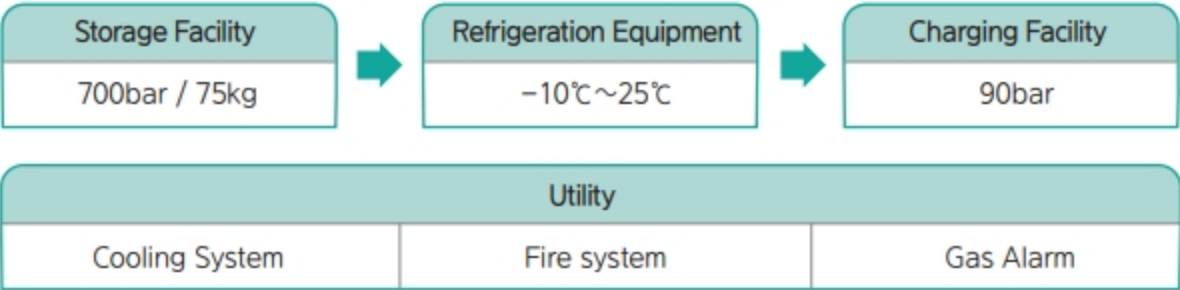
Dispenser



Low Pressure (70 Bar) Filling Station



Filling Flow System



Specification

Model Name	Vehicle	Container Size	Storage Volume	Etc
HYFH-M075	18TON	L9,500 × W2,438 × H2,896	75kg	Current Model
HYFH-M100	20TON	L 12,000 × W2,438 × H2,896	100kg	Design Model
HYFH-M150	25TON	L 14,000 × W2,438 × H2,896	150kg	Design Model

H₂

Hydrogen Mobility



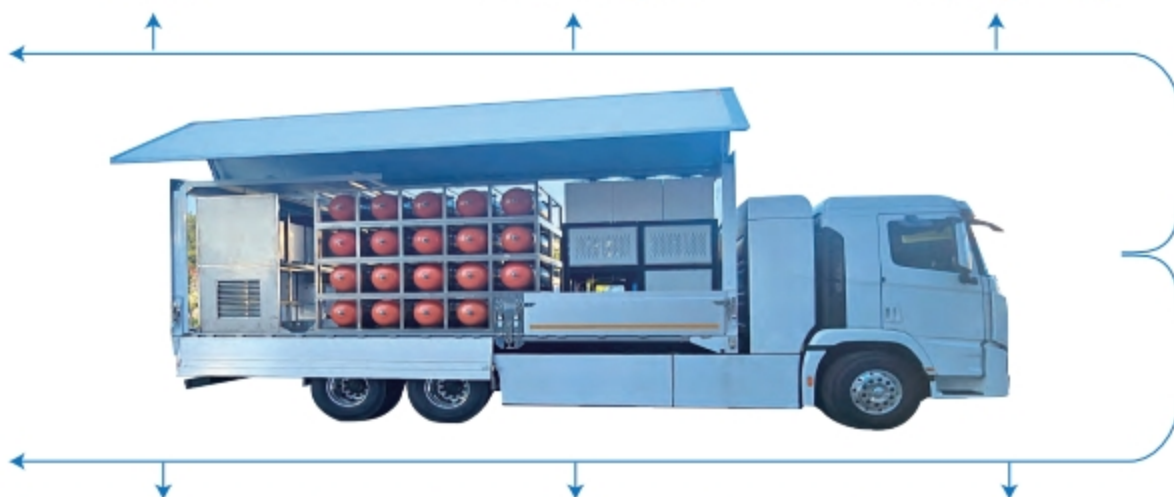
fork lift



self-driving car



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construction machinery



drone



hydrogen car

Configuration equipment



Electric panel



Storage Vessel



Specification

Model Name	Container Size	Cylinder		Storage Pressure	Storage Volume
		Volume	Quantity		
HYGC-20-45	20ft	424L	20	450bar	3,800m ³
HYGC-20-70	20ft	424L	20	700bar	6,000m ³
HYGC-40-45	40ft	424L	40	450bar	7,600m ³





H2 Compressor

900Bar Small Type Package

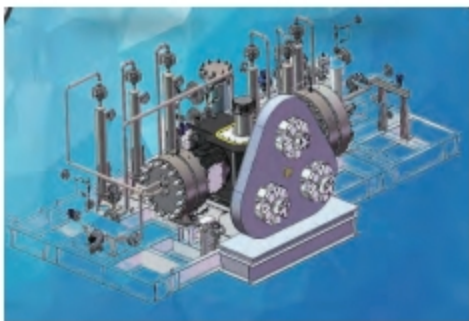


900Bar Package



Type	Model	Inlet Pressure(Mpa)	Outlet(Mpa)	Maximum Flow(m3/h)	Power(KW)	Cooling Method
900Bar Small Type Package	HYGC H2-020-90	10-20	90	20	11	Water
	HYGC H2-050-90	10-20	90	50	22	Water
900Bar Package	HYGC H2-0200-45	5-20	45	180	45	Water
	HYGC H2-0200-90	45	90	180	37	Water

450Bar Large Type Package



Type	Model	Inlet Pressure(Mpa)	Outlet(Mpa)	Maximum Flow(m3/h)	Power(KW)
450Bar Large Type Package	TDG-P100/12.5-45	12.5	45	100	15
	TDG-P100/12.5-45	12.5	45	200	30
	TDG-P100/12.5-45	12.5	45	300	37
	TDG-P100/12.5-45	12.5	45	500	55
	TDG-P100/12.5-45	12.5	45	1000	110



H₂ Cylinder Test

450Bar ~ 700 Bar



H₂ Cylinder



H₂ Compressor Skid



H₂ Purge System



H₂ Airtight System



H₂ Supply System

H₂
Hydrogen
station
:



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