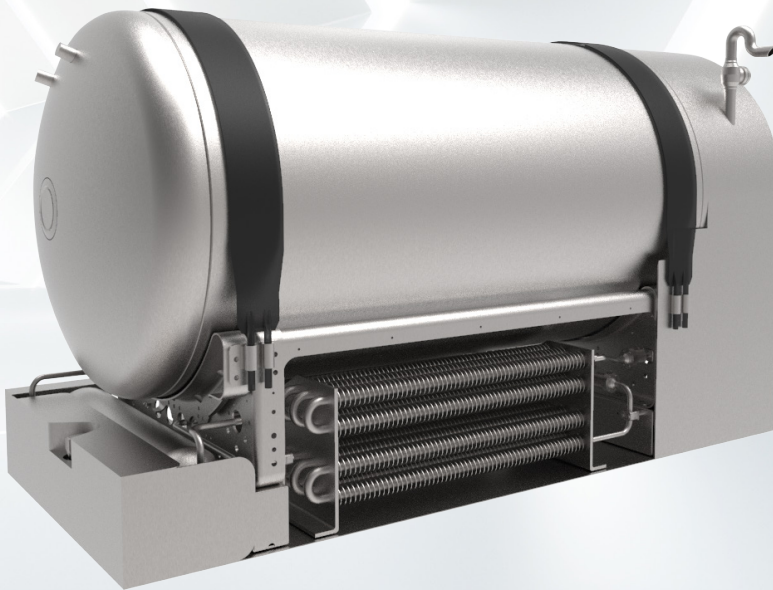


High Volume Onboard Liquid Hydrogen System



Hydrogen supply pressure of the system

1.87 MPaG

System mass hydrogen storage density

≥ 8 %wt

Liquid hydrogen tank mass hydrogen storage density

≥ 10 %wt

Evaporation rate of liquid hydrogen tank

≤ 3 %/d

Hydrogen storage

30~80 kg

PRODUCT PRESENTATION

The high volume on-board liquid hydrogen system is a high-capacity storage system with a smart monitoring system and integrated, customizable design, which can be adjusted to consumer's requirements.

TECHNICAL HIGHLIGHTS

- High capacity - The system stores over 80kg liquid hydrogen which meets the requirements of long-distance and heavy-duty vehicles.
- Ultra-low heat leakage rate - Static evaporation rate is less than 3%/day. Ultra-low heat leakage rate can ensure that there is no overpressure emission for a long time.
- Intellectualized design - In the process of driving, the system automatically controls the tank pressure to ensure the stability of the supply pressure and temperature.
- Rapid refueling rate - 0~100% refueling in > 10 min
- High integrated heat transfer - It adopts advanced heat exchange technology and compact design to achieve efficient heat exchange under large temperature difference.
- Highly customizable - The hydrogen supply pressure can be customized to the consumers requirements

Application scenario of high volume onboard liquid hydrogen system

The application scenario of the product can cover all types of heavy trucks in the market, and is also suitable for many applications such as trains and ships.



Breaking Frontiers in Technology, Fueling Tomorrow with Hydrogen

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