

# 70 MPa Type IV Hydrogen Tank



Nominal working pressure

**70** MPa

Maximum allowable working pressure

**87.5** MPaG

Design circle times

**11000** times

Mass hydrogen storage density

**6.1wt %**

Filling rate @15°C

**≤ 6** Nml/(h•L)

Index of blasting dispersion

**< 5** %

## PRODUCT PRESENTATION

70MPa type IV hydrogen tank uses an innovative manufacturing process. The patented liner – valve structure, has the advantages of high hydrogen storage density, long service life, high reliability and safety.

## TECHNICAL HIGHLIGHTS

- Independent liner.
- Improved liner molding process - The new plastic liner molding process avoids folds, sand holes and other defects found in previous liner molding methods.
- Durable liner material - Low permeability and high impact resistance avoids liner folding, buckling and other defects.
- Optimized dry winding process and angle - Reduced amount of carbon fiber equaling reduced costs and weight. Layering process is also fast and highly efficient.
- Optimizable - Nominal working pressure can be 20, 35, 50 or 70 MPa.

### Application scenario of 70 MPa type IV hydrogen tank

This product can be applied to vehicle hydrogen storage system, fuel cell power system, covering a variety of models such as passenger cars, buses, and trucks. This product can also be extended to CHP/backup power supply, forklift, construction machinery, ships, aircraft and other application scenarios.



# Breaking Frontiers in Technology, Fueling Tomorrow with Hydrogen

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