

MULTIPLE-ELEMENT GAS GAS CONTAINER



MULTIPLE-ELEMENT GAS CONTAINER (MEGC)

Rheinmetall's Multiple-Element Gas Container (MEGC) is equipped with advanced Type IV hydrogen pressure tanks capable of handling pressures up to 700 bar.

This system offers a convenient, one-hand solution that includes comprehensive service and maintenance support.

It is fully compliant with regulations governing transportation across various modes, including road (ADR), rail (RID), and barges (ADN), ensuring safe and efficient hydrogen storage and transport.

BENEFITS

- Type IV hydrogen pressure tanks with new innovative multi-filament winding technology (GEN II)
 - Reduced winding time
 - Reduced carbon fiber use
 - Increased storage capacity
- Smart supply system and new IoT service (GEN III)
 - Predictive maintenance
 - Lifetime maximization

TECHNICAL DATA

Pressure	350 – 700 bar
Vessel type	Type IV
Length	20 FT / 40 FT (scalable)
H ₂ capacity	up to 1,100 kg (380 bar)
Regulations	ADR, RID, ADN

RHEINMETALL POWER SYSTEMS DIVISION

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With its Business Units and Business Areas, the Division stands for outstanding expertise in the following areas: air management, thermal management, e-mobility and digitalization, hydrogen technology, metallic plain bearings, composite materials and lightweight construction. The Power Systems Division also represents Rheinmetall's global after-market activities through the Trade Business Unit.

CONTACT

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