

MULTIPLE-ELEMENT 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 380 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) and barges (ADN), rail (RID) on request, 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	380 bar
Vessel type	Type IV
Length	20 FT / 40 FT
H ₂ capacity	up to 1,100 kg
Regulations	ADR, ADN, RID on request

RHEINMETALL POWER SYSTEMS DIVISION

Within Rheinmetall the Power Systems Division is a system provider for high-quality and innovative (mobility) solutions, control technologies and digital applications for the automotive and energy industries, among others.

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 aftermarket activities through the Trade Business Unit.

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