

# Certificate

## type approval

### for manufacturing of transportable pressure receptacles

Certificate-No.: 01 202 642/B-200027-Y, Revision 1  
(replacing certificate dated 2020-12-22)

Applicant: Hexagon Ragasco AS  
Box 50, Raufoss Industry Park  
Enggata 40  
2830 Raufoss  
Norway

Manufacturer: See Applicant

Applicable provisions  
and standards: ISO 11119-3:2013

Description of  
the type: Fully wrapped fibre reinforced composite gas  
cylinders with non-load-sharing non-metallic liner;  
Intended use for propane, butane, and mixtures  
thereof; Liner: HDPE, fibers: E-glass, resin:  
Polyester, Epoxy-based vinyl ester, Epoxy, boss:  
brass CW617N; Diameter =  $305 \pm 5$  mm (with outer  
casing) /  $296 \pm 4$  mm (pressure vessel); Length =  
 $475 \pm 4$  mm (pressure vessel); Volume content =  
24.5 (baseline); Test pressure PH = 30 bar(g).

Drawing No.: 0113300-000


It is confirmed that the described type is in  
compliance with the requirements of the standard  
ISO 11119-3:2013.

Report-No.: This approval is based on the results of the type  
examination report no. 01 202 555/B-200001-T,  
revision 0, dated 2020-12-21 and no. 01 202 555/B-  
200001-T, revision 1, dated 2021-03-29

Validity: This approval is valid for a period not exceeding ten  
years. End of period: 2030/12

D-54295 Trier, 2021-04-07

TÜV Rheinland Industrie Service GmbH  
Am Grauen Stein, D-51105 Köln

  
on behalf Dipl. Ing. (FH) Christoph Lentjes

Certification Body

