

# Certificate

## Conformity of the design

according to EN 12245

Certificate-No.:

**01 230 170/B-24 6008.02-S**

Revision of Certificate No. 01 230 170/B-24 6008.01-S from 2025-11-04

Applicant:

**Ragasco AS**

**Business Address: Grøndalsvegen 2, 2830 Raufoss**

**Postal Address: P. O. Box 50, 2831 Raufoss**

**Norway**

Manufacturer:

See Applicant

It is confirmed that the described type is in compliance with the requirements of:

Specification:

EN 12245:2009 + A1:2011 and EN 12245:2022

Description of the type:

Fully wrapped fibre reinforced composite gas cylinders with non-load-sharing non-metallic liner (type 4); Intended use for gasses acc. annex 3 to the report; Liner: HDPE, fibers: E-glass, resin: polyester, epoxy-based vinylester, epoxy, boss: brass CW617N; Diameter = 305 ± 5 mm (with outer casing) / 297 ± 4 mm (pressure vessel); Length = 286 up to 617 ± 4 mm (pressure vessel); Capacity = 24.5 L (baseline), 12.5 L, 18.2 L, 20.6 L, 24.5 L; 26.2 L, 27.4 L, 33.5 L; Test pressure PH up to 33 bar(g); Working temperature -40/+65 °C.

Drawing No.:

0113300-000, revision G, change date 2023-11-22

Report-No.:

This approval is based on the results of the type examination report:

01 202 555/B-200019-T from 2023-12-06,

01 202 555/B-200014-T from 2023-02-28,

01 202 555/B-200026-T from 2025-06-04.

Chemical compatibility:

The chemical compatibility for the gases listed in annex 3 to the type examination report is confirmed.

Validity:

This approval is valid for a period not exceeding 10 years.

End of period: 02/2033

Trier, 2026-02-17

Christof Lentes  
Certifier

Inspection body for transportable pressure equipment

