Transportable pressure equipment in non EU countries

Ministry of Construction, Transport and Infrastructure
Section for Transport of Dangerous Goods
Bojan Miljković
Ana Seničić
Regulations in transport of dangerous goods in Serbia

- **LAW ON TRANSPORT OF DANGEROUS GOODS** ("Official Gazette of RS", no. 104/16, 83/18, 95/18-other law and 10/19-other law)
  
  https://mgsi.gov.rs/cir/dokumenti/transport-opasne-robe

EU legislation on TRANSPORTABLE PRESSURE EQUIPMENT

I

(Legislative acts)

DIRECTIVES

DIRECTIVE 2010/35/EU

OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

of 16 June 2010


(Text with EEA relevance)
Serbian legislation on TRANSPORTABLE PRESSURE EQUIPMENT

Regulation on transportable pressure equipment ("Official Gazette of the RS" No. 12/17)
Article 2
Definitions
For the purposes of this Directive the following definitions shall apply:
(1) ‘transportable pressure equipment’ means:
   (a) all pressure receptacles, their valves and other accessories when appropriate, as covered in Chapter 6.2 of the Annexes to Directive 2008/68/EC;
   (b) tanks, battery vehicles/wagons, multiple-element gas containers (MEGCs), their valves and other accessories when appropriate, as covered in Chapter 6.8 of the Annexes to Directive 2008/68/EC;
when the equipment under (a) or (b) is used in accordance with those Annexes for the transport of Class 2 gases, excluding gases or articles with figures 6 and 7 in the classification code, and for the transport of the dangerous substances of other classes specified in Annex I to this Directive.

Transportable pressure equipment shall be understood as including gas cartridges (UN No 2037) and excluding aerosols (UN No 1950), open cryogenic receptacles, gas cylinders for breathing apparatus, fire extinguishers (UN No 1044), transportable pressure equipment exempted according to 1.1.3.2 of the Annexes to Directive 2008/68/EC and transportable pressure equipment exempted from the rules for construction and testing of packaging according to special provisions in 3.3 of the Annexes to Directive 2008/68/EC;
Gas cartridges (UN 2037) transportable pressure equipment
Definition of the TPE

Article 2
Definitions

For the purposes of this Directive the following definitions shall apply:

(1) ‘transportable pressure equipment’ means:

(a) all pressure receptacles, their valves and other accessories when appropriate, as covered in Chapter 6.2 of the Annexes to Directive 2008/68/EC;

(b) tanks, battery vehicles/wagons, multiple-element gas containers (MEGCs), their valves and other accessories when appropriate, as covered in Chapter 6.8 of the Annexes to Directive 2008/68/EC;

when the equipment under (a) or (b) is used in accordance with those Annexes for the transport of Class 2 gases, excluding gases or articles with figures 6 and 7 in the classification code, and for the transport of the dangerous substances of other classes specified in Annex I to this Directive.
Aerosols (UN 1950)
transportable pressure equipment
Gas cylinders for breathing apparatus
Fire extinguishers (UN 1044)
According to Article 11 of the Law on the territory of the Republic of Serbia, for the transport of dangerous goods, can only be used packaging, transportable pressure equipments or tanks that was not manufactured in the Republic of Serbia, which have a decision on the recognition of a foreign certificate of conformity.

Regulation on manner of recognition of foreign documents of conformity and marks of conformity ("Official Gazette of RS", No. 98/09, 110/16)
Certificate

for manufacturing of transportable pressure equipment

Certificate-No.:

01 202 644/B-190111-T

Applicant:

Sinoma Science & Technology (Cheng Du) Co., Ltd.

No. 136, Pingtang Road East, Functional Areas of New Materials Industry, Jinhua Town, Xinjiang County, Chengdu City, Sichuan Province, P.R. China

Manufacturer:

see Applicant

Applicable provisions and standards:

Dir. 2010/35/EU, in compliance with ADR/RID 2019 and EN 12257:2002

Description of the type:

Seamless, hoop-wrapped composite cylinder for compressed, liquefied and dissolved gases, Volume 212L, Diameter 406 mm, working pressure 200 bar, Test Pressure 300 bar working temperature -40°C - +65°C

It is confirmed that the described type is in compliance with the requirements of the directive 2010/35/EU.

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

CHN/B-160025-T dated December 30, 2016 and CHN/B-160111-T dated October 14, 2019

Drawing No.:

ZKCKUS-3-[2019]-CP-IC415.16112257-01

Validity:

This approval is valid for a period not exceeding ten years. End of period: 12/06/2029

Report-No.:

CHN/B-160025-T dated December 30, 2016 and CHN/B-160111-T dated October 14, 2019

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

CHN/B-160025-T dated December 30, 2016 and CHN/B-160111-T dated October 14, 2019

Drawing No.:

ZKCKUS-3-[2019]-CP-IC415.16112257-01

Validity:

This approval is valid for a period not exceeding ten years. End of period: 12/06/2029

Report-No.:

ZKCKUS-3-[2019]-CP-IC415.16112257-01

This approval is valid for a period not exceeding ten years. End of period: 12/06/2029

Retest period:

5 years

Hallie, 12/11/2019

TUV Rheinland Industrie Service GmbH
Am Gruenen Stein, D-51165 Köln,

TUV Rheinland Industrie Service GmbH
Am Gruenen Stein, D-51165 Köln,

TUV Rheinland Industrie Service GmbH
Am Gruenen Stein, D-51165 Köln,

TUV Rheinland Industrie Service GmbH
Am Gruenen Stein, D-51165 Köln,

TUV Rheinland Industrie Service GmbH
Am Gruenen Stein, D-51165 Köln,

TUV Rheinland Industrie Service GmbH
Am Gruenen Stein, D-51165 Köln,

TUV Rheinland Industrie Service GmbH
Am Gruenen Stein, D-51165 Köln,

TUV Rheinland Industrie Service GmbH
Am Gruenen Stein, D-51165 Köln,

TUV Rheinland Industrie Service GmbH
Am Gruenen Stein, D-51165 Köln,

TUV Rheinland Industrie Service GmbH
Am Gruenen Stein, D-51165 Köln,

TUV Rheinland Industrie Service GmbH
Am Gruenen Stein, D-51165 Köln,

TUV Rheinland Industrie Service GmbH
Am Gruenen Stein, D-51165 Köln,

TUV Rheinland Industrie Service GmbH
Am Gruenen Stein, D-51165 Köln,

TUV Rheinland Industrie Service GmbH
Am Gruenen Stein, D-51165 Köln,

TUV Rheinland Industrie Service GmbH
Am Gruenen Stein, D-51165 Köln,

TUV Rheinland Industrie Service GmbH
Am Gruenen Stein, D-51165 Köln,

TUV Rheinland Industrie Service GmbH
Am Gruenen Stein, D-51165 Köln,

TUV Rheinland Industrie Service GmbH
Am Gruenen Stein, D-51165 Köln,
2. Issuance of type approval certificates for packaging, transportable pressure equipment or tanks in accordance with ADR/RID/ADN

1. step

A positive report on the test carried out by the conformity assessment body of the equipment under test
2. Issuance of type approval certificates for packaging, transportable pressure equipment or tanks in accordance with ADR/RID/ADN

2. step (According to Article 12 of the Law, the manufacturer of packaging, transportable pressure equipment, or tanks, is obliged to obtain a type approval certificate.)
3. PROCEDURE FOR THE REASSESSMENT OF CONFORMITY

This procedure is used only for equipment that was in use on the market at the time of the adoption of the regulation (2010/35/EU) on transportable pressure equipment.

Valid only in the country where the equipment was used.

It does not constitute a conformity assessment!!! Can not be used for export in other countries.
Manufacturer of TPE in Serbia (LIFAM-M)

Self weight
Filling by weight

Cylinder for forklift
Forbidden filling LPG cylinders on petrol stations

Filling by liters
Correct filling the cylinders

Filling by weight
Import of gases

Refillable pressure receptacles approved to the American Standard "DOT" accepted for transport in the transport chain in accordance with 1.1.4.2 may be transported from a temporary storage location at the end point of the transport chain to the end user.

Export of gases and empty uncleaned pressure vessels

Refillable pressure vessels approved to the American "DOT" standard may be filled and transported solely for the purpose of export to non-ADR contracting countries under certain conditions.
Camera from the bus
Thank you

Ministry of Construction, Transport and Infrastructure
Department for Transport of Dangerous Goods

Bojan Miljković, bojan.miljkovic@mgsi.gov.rs
Ana Seničić, ana.senicic@mgsi.gov.rs