

ENERGY OF THE FUTURE





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PRODUCTS

- Battery Vehicle
- Multi Element Gas Container





3375 m³ BATTERY VEHICLE

Volume	13500 L
Weight (Loaded)	23120 kg*
CNG Capacity 15C'	3375 m ³
METHANE Capacity	3345 m ³
Dimensions	20 FT
Height	2600 mm
Length	6500 mm
Width	2438 mm
Operating Pressure	200 Bar
Test Pressure	300 Bar
Standard	ADR / ISO 13807
TPED	YES
Pi Certificate	YES
Cylinder Material	STEEL
Color	DUE TO DEMAND
Operating Temperature	- 20 / + 60
Valve	SAFETY VALVE WITH CERTIFICATE

* TRAILER IS INCLUDED IN BATTERY VEHICLE WEIGHT CALCULATIONS ACCORDING TO THE STANDARD.



4580 m³ BATTERY VEHICLE

Volume	18000 L
Weight (Loaded)	29200 Kg*
CNG Capacity 15C'	4580 m ³
METHANE Capacity	4460 m ³
Dimensions	30 FT
Height	2600 mm
Length	9000 mm
Width	2438 mm
Operating Pressure	200 BAR
Test Pressure	300 BAR
Standard	ADR / ISO 13807
TPED	YES
Pi Certificate	YES
Cylinder Material	STEEL
Color	DUE TO DEMAND
Operating Temperature	- 20 / + 60
Valve	SAFETY VALVE WITH CERTIFICATE

* TRAILER IS INCLUDED IN BATTERY VEHICLE WEIGHT CALCULATIONS ACCORDING TO THE STANDARD.



5625 m³ BATTERY VEHICLE

Volume	22500 L
Weight (Loaded)	41500 Kg*
CNG Capacity 15C'	5625 m ³
METHANE Capacity	5575 m ³
Dimensions	40 FT
Height	2600 mm
Length	12000 mm
Width	2438 mm
Operating Pressure	200 BAR
Test Pressure	300 BAR
Standard	ADR / ISO 13807
TPED	YES
Pi Certificate	YES
Cylinder Material	STEEL
Color	DUE TO DEMAND
Operating Temperature	- 20 / + 60
Valve	SAFETY VALVE WITH CERTIFICATE

* TRAILER IS INCLUDED IN BATTERY VEHICLE WEIGHT CALCULATIONS ACCORDING TO THE STANDARD.



20 FT / 4800 m³ MEGC

Volume	18900 L
Weight (Loaded)	21000 Kg
CNG Capacity 15C'	4800 m ³
METHANE Capacity	4680 m ³
Dimensions	20 FT
Height	2600 mm
Length	6000 mm
Width	2438 mm
Operating Pressure	200 BAR
Test Pressure	300 BAR
Standard	ADR / ISO 13807
TPED	YES
Pi Certificate	YES
Cylinder Material	COMPOSITE/ STEEL
Color	DUE TO DEMAND
Operating Temperature	- 20 / + 60
Valve	SAFETY VALVE WITH CERTIFICATE



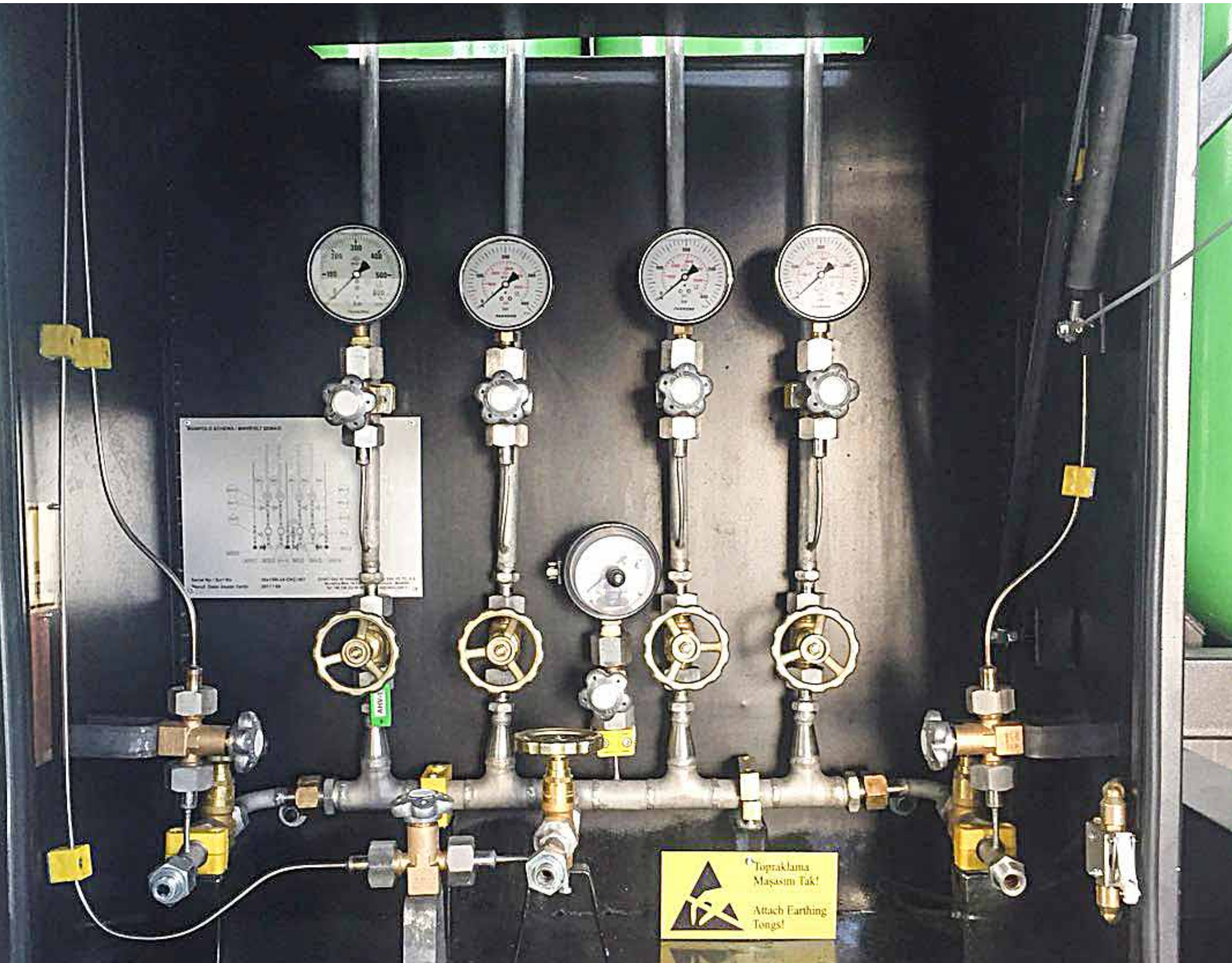
20 FT / 5650 m³ **MEGC**

Volume	18900 L
Weight (Loaded)	22000 Kg
CNG Capacity 15C'	5650 m ³
METHANE Capacity	5550 m ³
Dimensions	20 FT
Height	2600 mm
Length	6000 mm
Width	2438 mm
Operating Pressure	250 BAR
Test Pressure	375 BAR
Standard	ADR / ISO 13807
TPED	YES
Pi Certificate	YES
Cylinder Material	COMPOSITE/ STEEL
Color	DUE TO DEMAND
Operating Temperature	- 20 / + 60
Valve	SAFETY VALVE WITH CERTIFICATE



30 FT / 5800 m³ MEGC

Volume	22800 L
Weight (Loaded)	30500 Kg
CNG Capacity 15C'	5800 m ³
METHANE Capacity	5650 m ³
Dimensions	30 FT
Height	2600 mm
Length	9000 mm
Width	2438 mm
Operating Pressure	200 BAR
Test Pressure	300 BAR
Standard	ADR / ISO 13807
TPED	YES
Pi Certificate	YES
Cylinder Material	STEEL
Color	DUE TO DEMAND
Operating Temperature	- 20 / + 60
Valve	SAFETY VALVE WITH CERTIFICATE



40 FT / 7020 m³ MEGC

Volume	27600 L
Weight (Loaded)	30500 Kg
CNG Capacity 15C'	7020 m ³
METHANE Capacity	6840 m ³
Dimensions	40 FT
Height	2600 mm
Length	9000 mm
Width	2438 mm
Operating Pressure	200 BAR
Test Pressure	300 BAR
Standard	ADR / ISO 13807
TPED	YES
Pi Certificate	YES
Cylinder Material	COMPOSITE/ STEEL
Color	DUE TO DEMAND
Operating Temperature	- 20 / + 60
Valve	SAFETY VALVE WITH CERTIFICATE



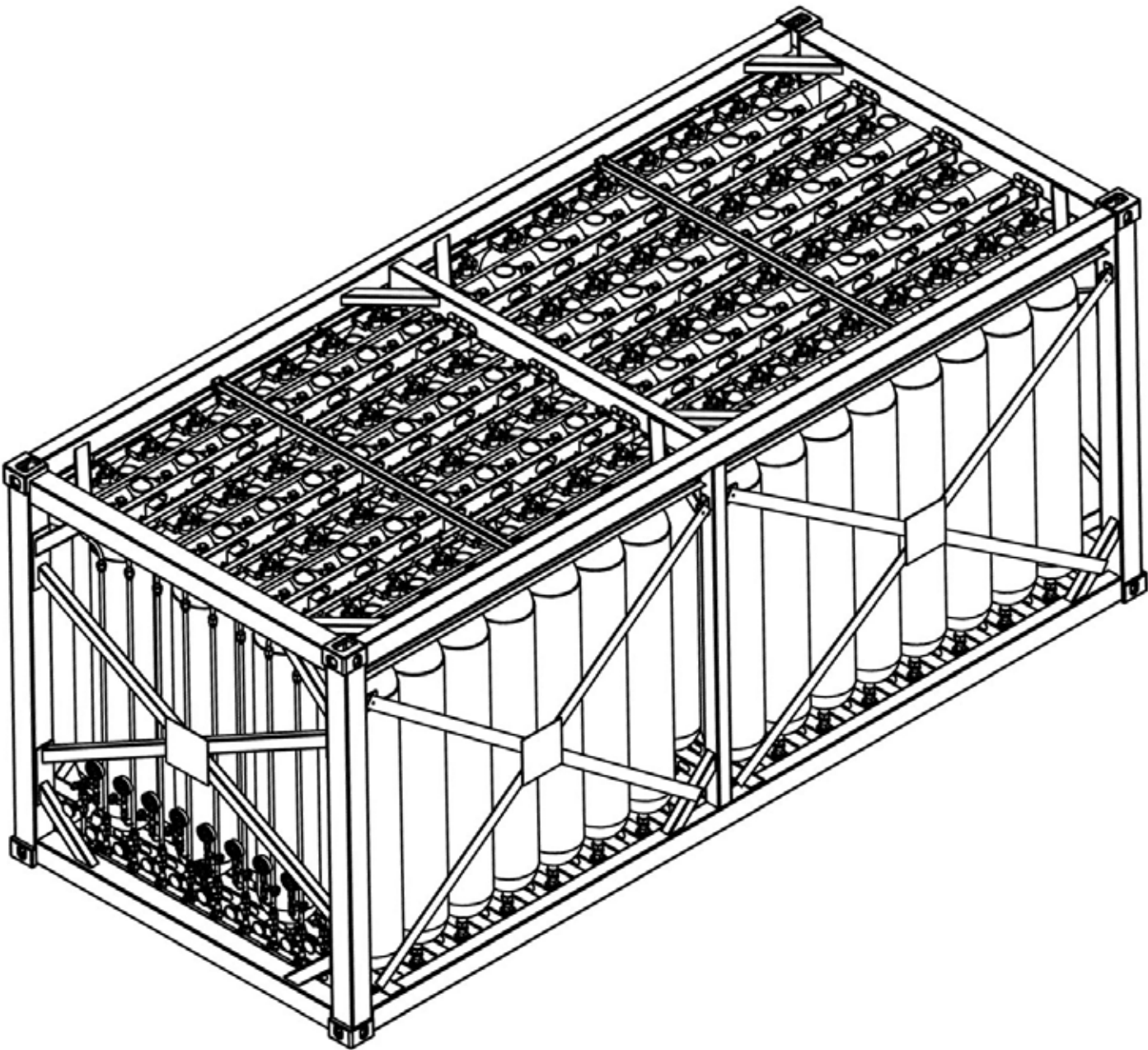
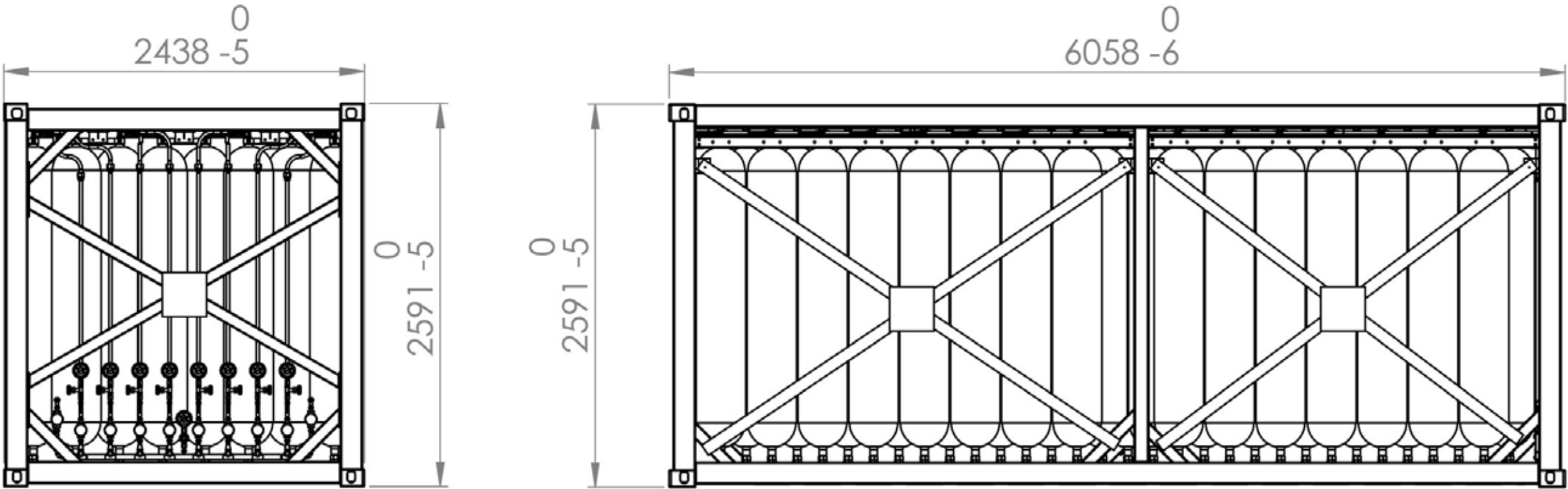
30 FT / 7480 m³ MEGC

Volume	29400 L
Weight (Loaded)	30500 Kg
CNG Capacity 15C'	7480 m ³
METHANE Capacity	7285 m ³
Dimensions	30 FT
Height	2600 mm
Length	9000 mm
Width	2438 mm
Operating Pressure	200 BAR
Test Pressure	300 BAR
Standard	ADR / ISO 13807
TPED	YES
Pi Certificate	YES
Cylinder Material	COMPOSITE/ STEEL
Color	DUE TO DEMAND
Operating Temperature	- 20 / + 60
Valve	SAFETY VALVE WITH CERTIFICATE

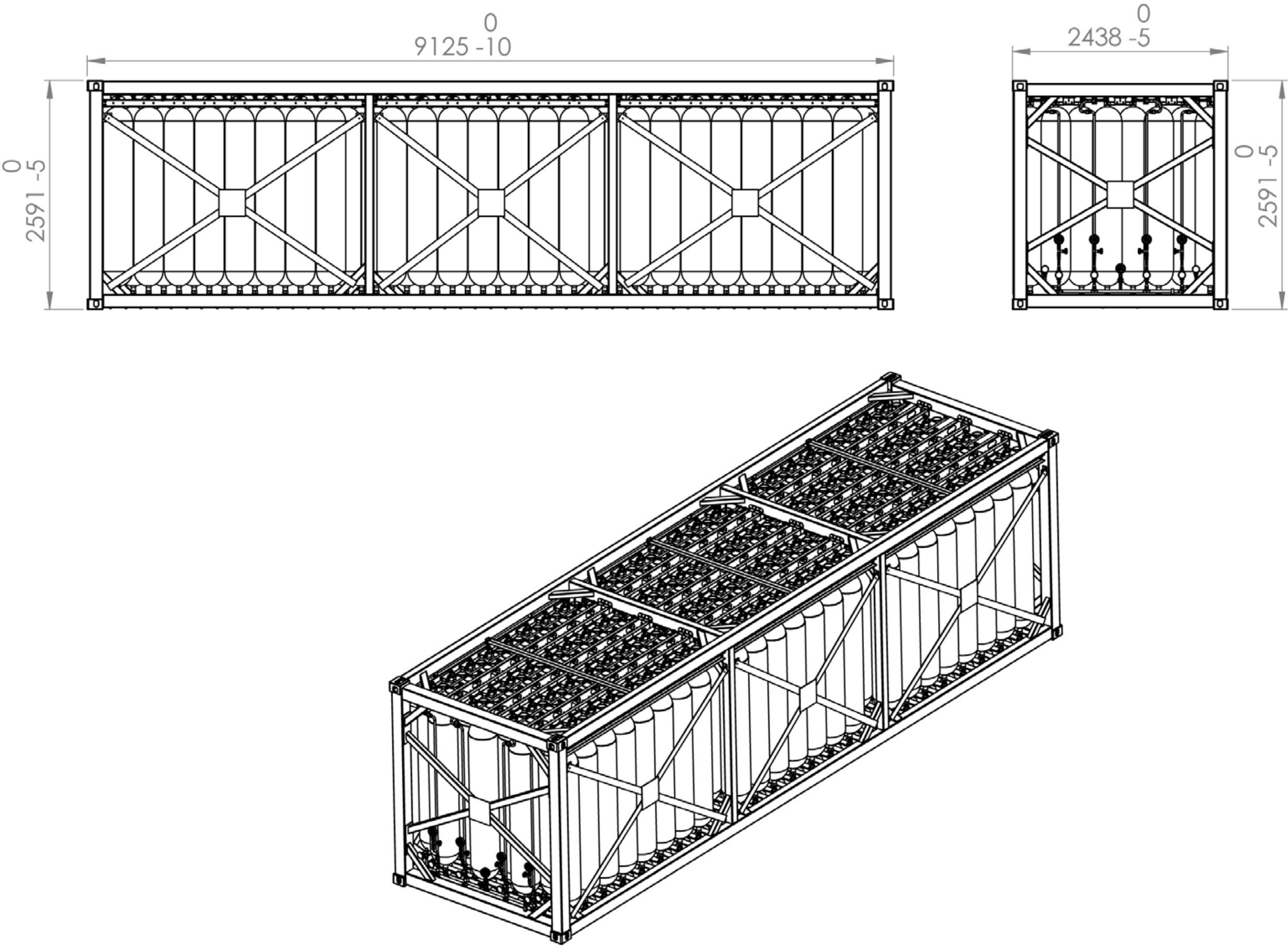
TECHNICAL DRAWINGS



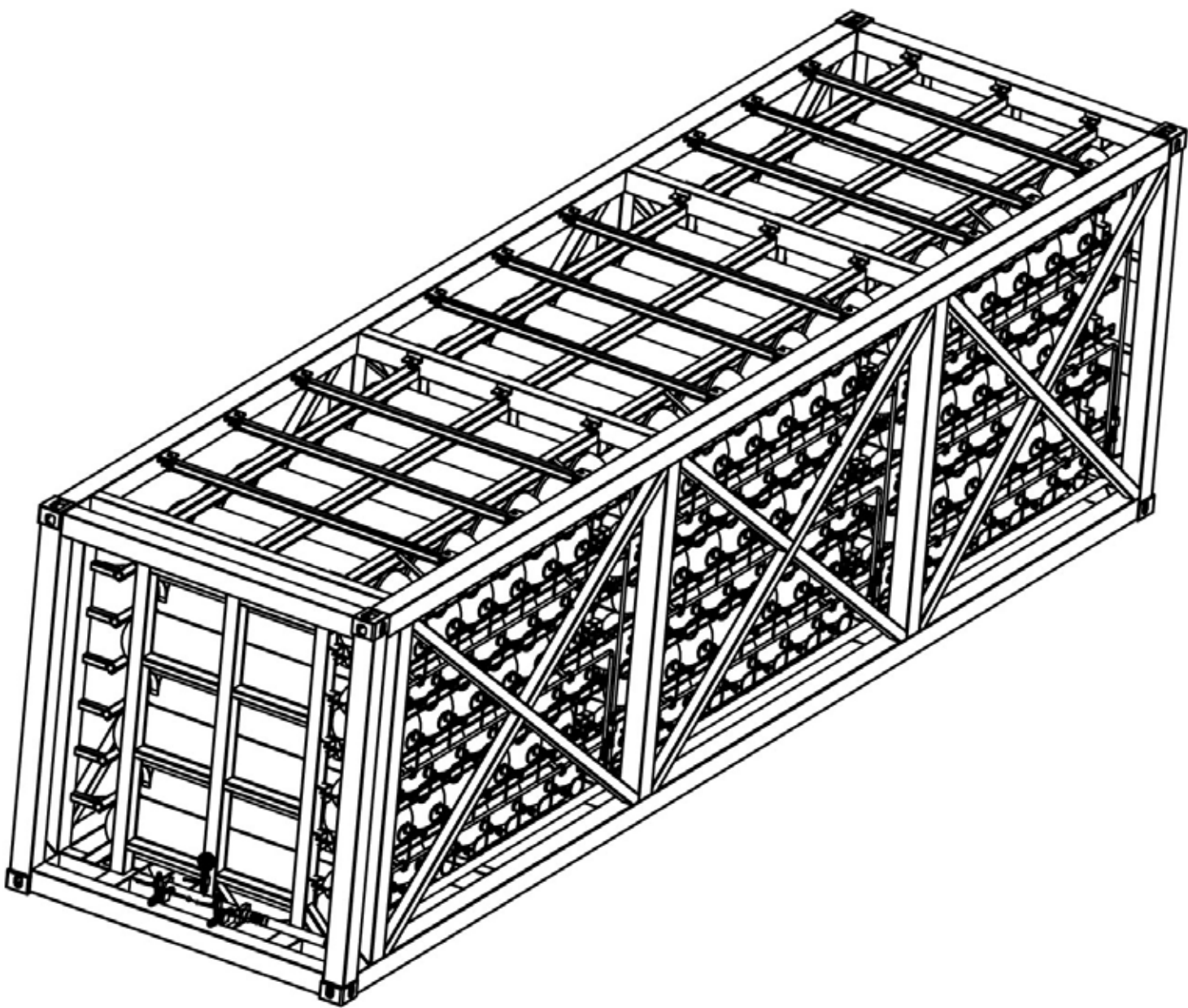
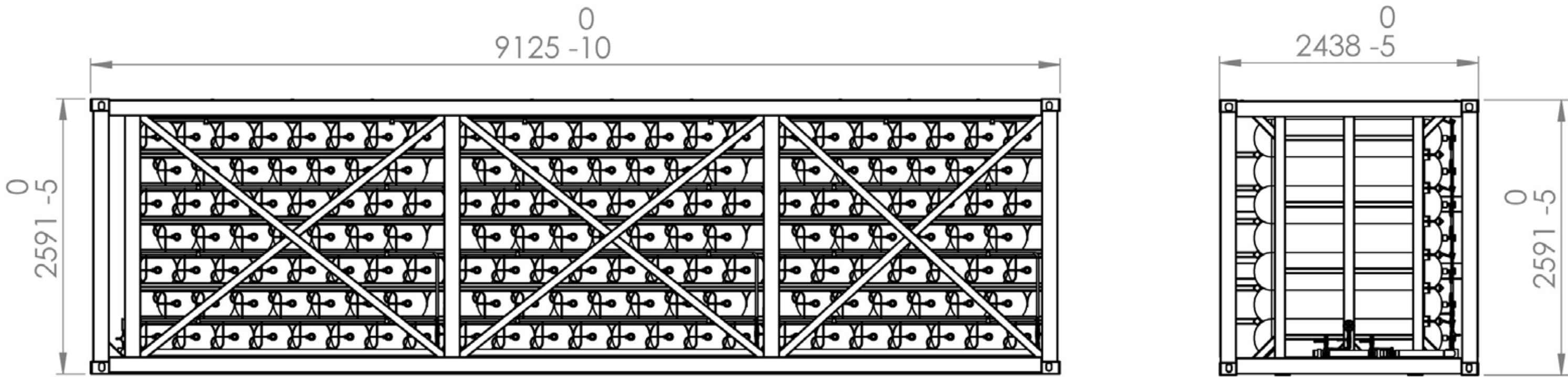
20 Ft. MEGC
TECHNICAL DRAWING



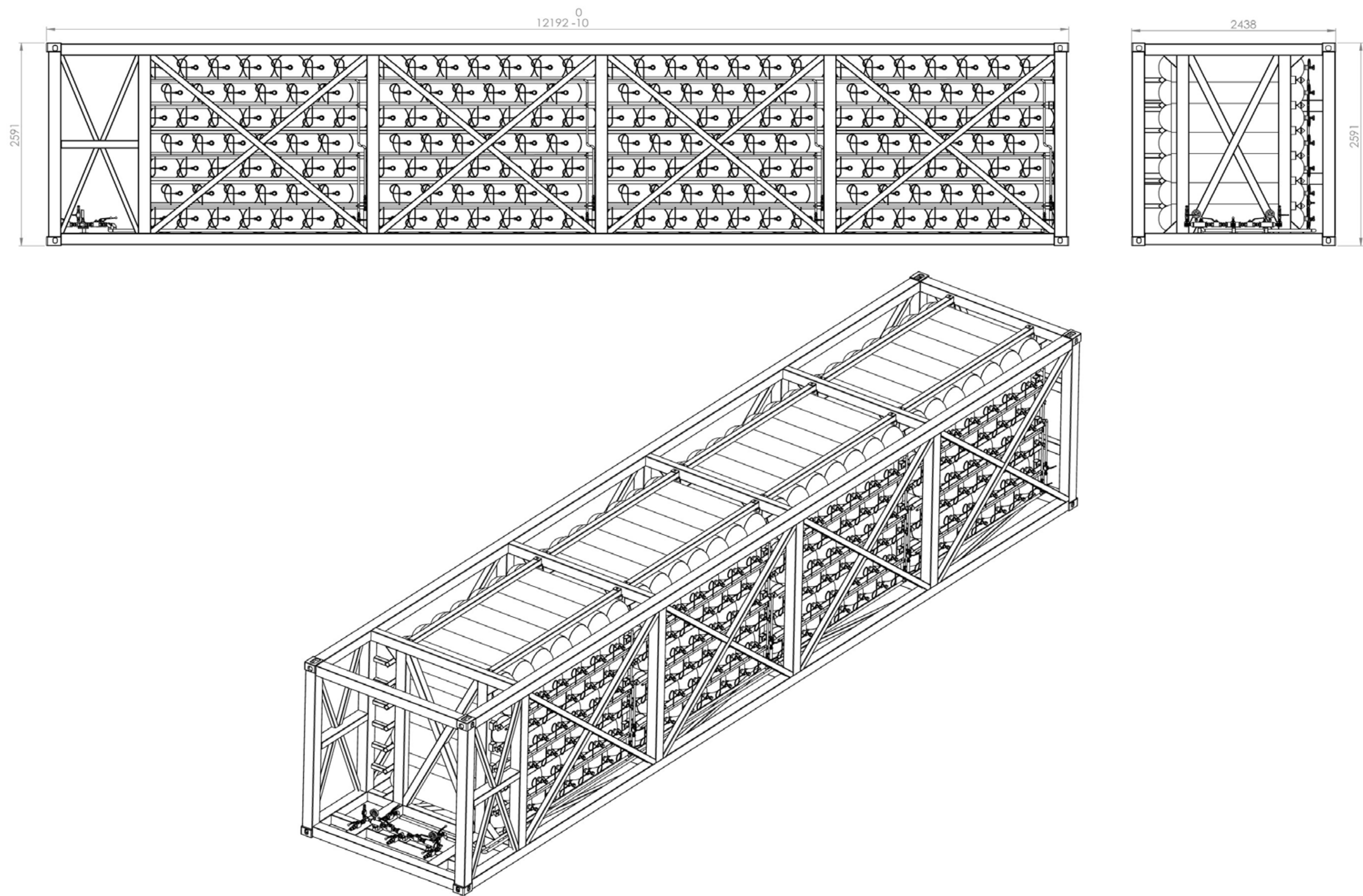
30 Ft. MEGC VERITICAL
TECHNICAL DRAWING



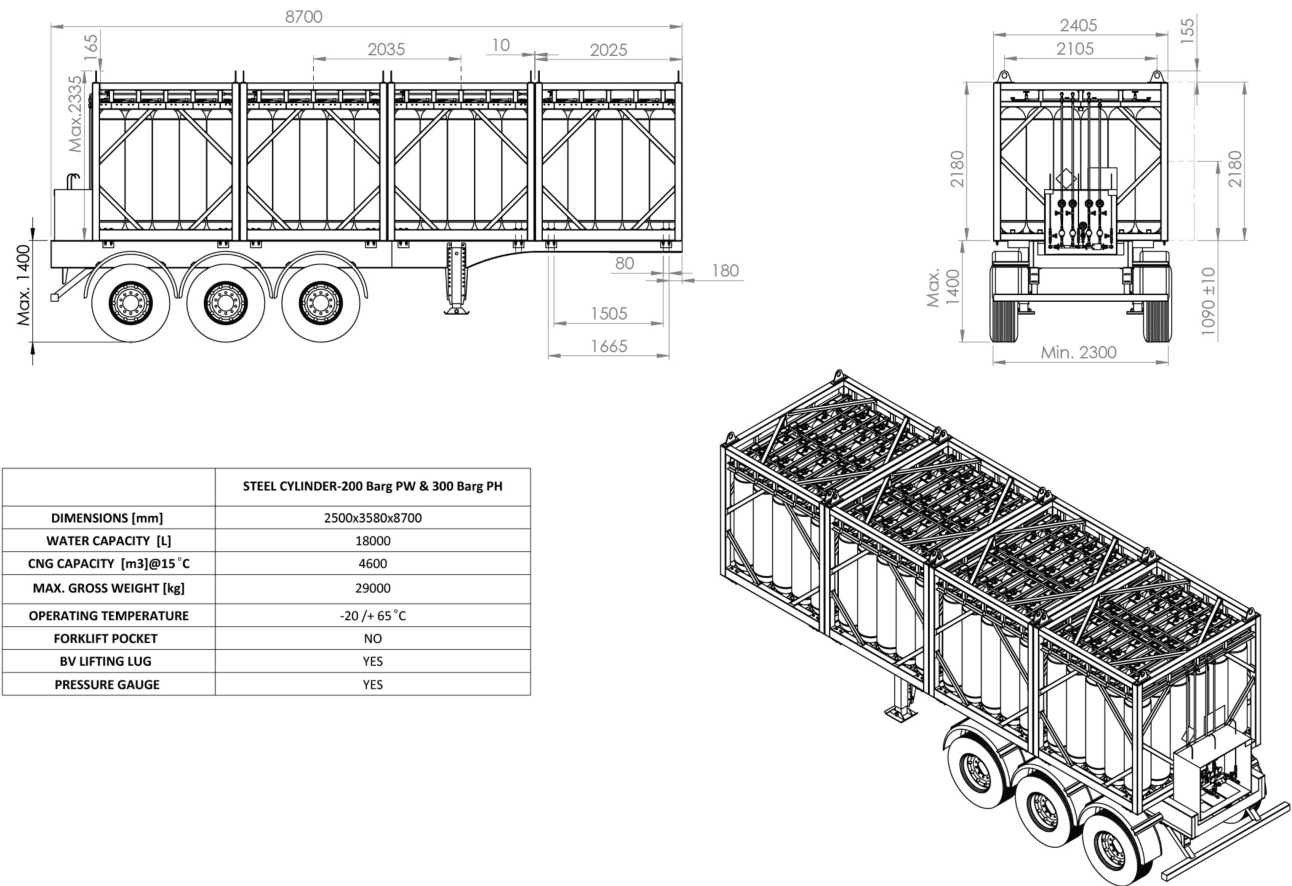
30 Ft. MEGC HORIZONTAL
TECHNICAL DRAWING



40 Ft. MEGC
TECHNICAL DRAWING



BATTERY VEHICLE TECHNICAL DRAWING



	STEEL CYLINDER-200 Barg PW & 300 Barg PH
DIMENSIONS [mm]	2500x3580x8700
WATER CAPACITY [L]	18000
CNG CAPACITY [m3]@15 °C	4600
MAX. GROSS WEIGHT [kg]	29000
OPERATING TEMPERATURE	-20 / + 65 °C
FORKLIFT POCKET	NO
BV LIFTING LUG	YES
PRESSURE GAUGE	YES

CERTIFICATES

 **TÜRK STANDARDLARI ENSTİTÜSÜ**

 T.C. Ulaştırma Denizcilik ve Haberleşme Bakanlığı

TASARIM TİP ONAY SERTİFİKASI
CERTIFICATE of TYPE APPROVAL
No: TR/TSE04*0091/C300BN

Türk Standartları Enstitüsü
BKMGLOBAL ENDÜSTRİ ENERJİ A.Ş.

Türkisch Standards Institution certifies that
BKMGLOBAL ENDÜSTRİ ENERJİ A.Ş.

firmasının
BATARYA ARACI
(TÜPLÜ GAZ TANKERİ)
tasarımını

has a design of
BATTERY VEHICLE
that meets the requirements of

Tehlikeli Maddelerin Karayoluyla Ulaştırılması
Tayınması İçin Avrupa Anlaşması (ADR) 43,
6.8 ve TS EN 13807:2003

*The European Agreement Concerning the
International Carriage of Dangerous Goods by
Road (ADR) 4.3, 6.8 and Relevant Standards TS
EN 13807:2003*

gerçeklerine göre uygun bulunmaktadır.

Sertifika 20.11.2017 tarihinde düzenlenmiştir.
Sertifika 20.11.2027 tarihine kadar geçerlidir.

*Certificate is prepared at 20.11.2017
Certificate is valid until 20.11.2027*

Not: Bu sertifika TR/TSE04*0091/C300BN-048
tasarım tip onay numarası ve 20.11.2017 tarihli
kapsamla geçerlidir.

*Note: This certificate is only valid with the scope
of TR/TSE04*0091/C300BN-048 coded and
20.11.2017 dated design type approval report.*



Türk Standartları Enstitüsü
Tehlikeli Madde ve Kimyane Taahhütçü Müdürü

*Director of Dangerous Goods and
Labeled Transportation Department
Türkisch Standards Institution*



Doküman No: UEM-02 TR-04-014 Yürürlük Tarihi: 01.07.2011 Revizyon Tarihi: No: 22.06.2017 - 3

 **EURO CERT**

EUROPEAN INSPECTION AND CERTIFICATION COMPANY S.A.

CERTIFICATE No.: TSE.0023

TYPE APPROVAL CERTIFICATE
TRANSPORTABLE PRESSURE EQUIPMENT DIRECTIVE 2010/35/EU

Notified body : EUROCERT S.A.
Notification No. : 1128
Manufacturer's Name : BKMGLOBAL ENDÜSTRİ ENERJİ A.Ş.
Manufacturer's Address : Fatih Sultan Mah. 2720.Sk. Hl. Ofis Etilmesu/ANKARA
Applicant's Name : Same as manufacturer
Applicant's Address : Same as manufacturer
Type Examination report No. : TSE.0023R
Transportable Pressure Equipment : Battery Vehicle
Type Identification Data : IN ATTACHED ANNEX

This is to certify that EUROCERT SA, as notified body, upon the request of (manufacturer's or applicant's company name), has assessed the conformity of the above transportable pressure equipment for type approval against the provisions of art.12 to directive 2010/35/EU and Section I.1 of Annex I, Section II.1 of Annex II and Section III.1 of Annex III to Directive 2008/68/EC. The results of the above assessment were satisfactory and the "T" marking must be affixed on the transportable pressure equipment as follows:

Issue Date: 10/11/2017
Valid Until: 09/11/2022
Inspector: 
ZUMER KOKSAL ALTINTAŞ

 **EUROCERT**
George Nikolopoulos
Technical Director

Please check the validity of the certificate from our website using the password 84K4Pn2y

THE DATA OF THIS CERTIFICATE IS GATHERED WITH EVERY POSSIBLE THOROUGHNESS AND REFLECTS THE FINDINGS OF THE TIME AND PLACE OF THE AUDIT. REPRODUCTION OF THIS DOCUMENT IS STRICTLY FORBIDDEN

BP, CHIOS STR. & UNIKRISIOS, 144 52 METANORFOS, ATHENS, GREECE
Tel: ++30 210 62.52.495, 30 210 62.53.927 - Fax: ++30 210 62.03.018
Internet site: www.eurocert.gr - e-mail: eurocert@otenet.gr

CERTIFICATES

IRTEC ΑΝΩΤΕΡΗΣ ΕΠΙΧΕΙΡΗΣΙΑΣ ΕΡΕΥΝΑΣ ΤΕΧΝΟΛΟΓΙΚΗΣ ΑΝΑΤΙΤΗΞΗΣ
& ΕΡΕΥΝΑΣ ΚΑΙ ΤΕΧΝΟΛΟΓΙΑΣ ΤΕΧΝΟΛΟΓΙΚΟΥ ΚΕΝΤΡΟΥ Σ.Α.
BETAM

**CERTIFICATE
TYPE APPROVAL ACCORDING TO THE
DIRECTIVE 2010/35/EU & ADR 2015**

Approval No: 1979/16
Certificate No: PE-C-1979/16

Notification No of the Certification Body: 0437

Date of Issue: 30.11.2016 Type Examination Report No: PE-R-1979/16

Name and Address of the
Manufacturing Plant: BKMGLOBAL ENDUSTRI ENERJİ A.Ş.
Fatih Sultan Mah. 2720.Sk. III. Ofis Etiler/Şişli/ANKARA

Applied Standards: ADR 2015 §6.8, EN ISO 668, EN ISO 1496-3, EN 13480-3

Product Type: MULTIPLE-ELEMENT GAS CONTAINER MEGC
TYPE: MEGC, CNG, CKC, 01
CONTENTS: COMPRESSED NATURAL GAS UN1971 CNG
TANK CODE: C300BN or C375BN, TA4, TT9
CONTAINER FRAME: 1CC
MAX VOLUME: 18900 L
DESIGN TEMPERATURE: -20 to +60 °C
TEST PRESSURE: 300 or 375 BAR according to the cylinders PT.

Validity of the Certificate: 29.11.2026

Declaration
This is to certify that the type mentioned above satisfies the provisions of the Directive 2010/35/EU and ADR 2015 agreement, which apply to it. The applicant must inform the notified body of all modifications to the approved transportable pressure equipment.

ANNEX: List of relevant parts of technical documentation (no of pages) --

For MIRTEC SA
A. Stamou
Certification Manager

For the Evaluation Dpt
Dr. K. Diamanti
Mechanical Engineer

IRTEC A.E.
CERT-1-spec/18015-0-18.1.12

1/1

IRTEC ΑΝΩΤΕΡΗΣ ΕΠΙΧΕΙΡΗΣΙΑΣ ΕΡΕΥΝΑΣ ΤΕΧΝΟΛΟΓΙΚΗΣ ΑΝΑΤΙΤΗΞΗΣ
& ΕΡΕΥΝΑΣ ΚΑΙ ΤΕΧΝΟΛΟΓΙΑΣ ΤΕΧΝΟΛΟΓΙΚΟΥ ΚΕΝΤΡΟΥ Σ.Α.
BETAM

**CERTIFICATE
TYPE APPROVAL ACCORDING TO THE
DIRECTIVE 2010/35/EU & ADR 2015**

Approval No: 1928/16
Certificate No: PE-C-1928/16

Notification No of the Certification Body: 0437

Date of Issue: 24.08.2016 Type Examination Report No: PE-R-1928/16

Name and Address of the
Manufacturing Plant: BKMGLOBAL ENDUSTRI ENERJİ A.Ş.
Fatih Sultan Mah. 2720.Sk. III. Ofis Etiler/Şişli/ANKARA

Applied Standards: ADR 2015 §6.8, EN ISO 668, EN ISO 1496-3, EN 13480-3

Product Type: MULTIPLE-ELEMENT GAS CONTAINER MEGC
TYPE: MEGC, CNG, CKC, 01
CONTENTS: COMPRESSED NATURAL GAS UN1971 CNG
TANK CODE: C300BN or C375BN, TA4, TT9
CONTAINER FRAME: 1BB
MAX VOLUME: 29400 L
DESIGN TEMPERATURE: -20 to +60 °C
TEST PRESSURE: 300 or 375 BAR according to the cylinders PT.

Validity of the Certificate: 23.08.2026

Declaration
This is to certify that the type mentioned above satisfies the provisions of the Directive 2010/35/EU and ADR 2015 agreement, which apply to it. The applicant must inform the notified body of all modifications to the approved transportable pressure equipment.

ANNEX: List of relevant parts of technical documentation (no of pages) --

For MIRTEC SA
A. Stamou
Certification Manager

For the Evaluation Dpt
Dr. K. Diamanti
Mechanical Engineer

IRTEC A.E.
CERT-1-spec/18015-0-18.1.12

1/1

Form No: ENSR-TR-01 Revizyon: 11.01.2018

TÜRK LOYDU

TAŞINABİLİR BASINÇLI EKİPMAN TİP ONAY SERTİFİKASI PORTABLE PRESSURE EQUIPMENT TYPE APPROVAL CERTIFICATE

Anlaşma / Agreement : ADR 2019

Bu belge aşağıda belirtilen tipin ADR 2019' u uygun olduğu tasdik edilir.

This is to certify that the type detailed below meets the requirements of ADR 2019.

İmalatçı Adı ve Adresi
Manufacturer Name and Address

: BKMGLOBAL ENDUSTRI ENERJİ AS.
Faith Sultan Mah. 2720.Sk. Hl Ofis Etilmesgut/Ankara

Ürün Tipi
Product Type

: Çok Elemanlı Gaz Konteyner /Multi Element Gas Container
Tank Kodu:C300BN / Tank Code : C300BN

Tip Onay Numarası
Type Approval Number
Tasarım Standardı
Design Standard

: TL>ADR-2021-0100-1

: Applied Provisions ADR 6.8 Edition 2019 /
EN 13807:2017 / TS EN 13480-3

Teknik Resim No
Drawing No

: CKK-2021-0100-01, CKK-2021-0100-02, CKK-2021-0100-03,
CKK-2021-0100-04, CKK-2021-0100-05, CKK-2021-0100-06,
CKK-2021-0100-07, CKK-2021-0100-08, CKK-2021-0100-09,
CKK-2021-0100-10, CKK-2021-0100-11

Kapasite
Capacity

: 155 Silindir- 184 Silindiri arası
(30 litre, 23250 l - 27600 l arası)
Between 155 cylinders -184 cylinders
30 types, Between 23250 L - 27600 L

Max İzin Verilebilen Basınç
Max Allowable Working Pressure

: 200 bar

Tip Onay Teknik Rapor No
Type Approval Technical Report No

: 5129-210312092838-001

İlk Muayene ve Test Raporu No
Initial Inspection and Test Report No

: 5129-210312092743-001

Sertifika Geçerlilik Tarihi
This certificate is valid until

: 11.03.2031

Murat DEVREZ
Endüstriyel İşlemeler Bölümü Müdürü
Industrial Processes Division Manager

TÜRK LOYDU

Ayşen ERGÜN COŞKUN
Teknik Yürütücü
Technical Manager

Bu belge ticarete veya başka amaçlarla kullanılabilir. Ürünün tasarımı ve yapımındaki herhangi bir önemli değişikliği bu belgeyi geçersiz kılar. ADR maddelerine uygun olarak yapılan ürünün aslında imalatçı veya yetkili temsilcisi tarafından ADR'de belirtilen teknik şartnamelere göre üretilmesi prosedürüne tabiidir. Herhangi bir değişiklik yapıldığında bu belgeye ek olarak yeni bir Certificate issued. The product conformity must be confirmed by its representative in accordance with ADR. A Declaration of Conformity may only be issued when the production product assessment procedures referred in the ADR is fully complied with.

TÜRK LOYDU - Etilme Çekimi Mh. Tarsuslar Cd. No:361 - B4941 TAŞINABİLİR - Tel: 0216 381 37 00 - E-posta: erdurtutur@turkloydu.org

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CERTIFICATE

Type approval Nr.: 21.12086/02051473

According to directive 2010/35/EU

Name and address of Manufacturer:

We hereby certify that according to the results of the inspections the transportable pressure equipment mentioned below fulfills the requirements of directive 2010/35/EU.

Tested according to 2010/35/EU:	Type approval, ADR/RID (current edition), acc. to 1.8.7.2
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Technical specification:	EN 13807
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Test report No.:	21.12084/02051473
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Description of transportable pressure equipment:	MEGC (Multiple Element Gas Container)
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Permissible substances:	UN 1971
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Place of Manufacture:	Muradiye Mahallesi 18. Sokak No:2 Yunusemre / MANİSA
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Valid until:	06.03.2031
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Place, Date	Yunusemre, MANİSA, 06.03.2021
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Inspector:

Technical Manager: G. Nicolaides



TÜV CYPRUS LTD
Notified Body for TPED
Identification Nr.2261

Notified body / inspection body

CY 01/NB TYPED 21_Riv02_08_08_2016

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