



MODULAR WATER STORAGE SOLUTIONS

GRP / SMC (COMPOSITE) - AISI 304 / 316 - GALVANIZED MODULAR WATER TANKS



www.ekomaxi.com

Yagiz Energy Machine and Construction Co. Ltd.
Ekomaxi Modular Water Storage Solutions is a trademark of Yagiz Energy Machinery.

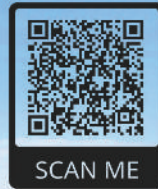
SINCE 2008, EKOMAXI IS THE LOCOMOTIVE MANUFACTURER AND SUPPLIER OF HIGH QUALITY MODULAR WATER STORAGE SYSTEMS WORLDWIDE AS A BRAND OF YAGIZ ENERJI MAKINA.

Since 2015, **Ekomaxi** Company has started the manufacturing of **GRP (Composite) Water Tanks** which is the most popular system all over the world as well as in accordance with drinking water regulation by creating **know-how cooperation** with a world's giant **Korean company** with it's **30.000 M²** facility located in **Malatya / TURKEY**.

Ekomaxi has certified it's products with the world's recognized, approved and leading **WRAS, CE, TSE** and **TSEK** quality certification systems in order to provide high quality products to valuable customers sensitively.

Ekomaxi company provides shipping all over the world, assembly, commissioning after sales support thanks to it's fast production system, great stock capacity and experience in it's own sector.

Yağız Energy Machinery, all the time will continue to create sustainable values and provide contribute to future as it did before.



Read for the Corporate Film.





GRP - SMC
MODULAR WATER TANKS



STAINLESS STEEL (AISI 304-316 L)
GALVANIZED (ST-37)
MODULAR WATER TANKS



Yagız Energy Machine and Construction Co. Ltd.
Ekomaxi Modular Water Storage Solutions is a trademark of Yagız Energy Machinery.

GRP MODULAR WATER STORAGE SYSTEMS

GRP - COMPOSITE (GLAS FIBER REINFORCED COMPOSITE) MODULAR WATER TANKS

Modular panels of water tanks and water conservation tanks are manufactured on high-pressure hydraulic molding presses under-regulated high temperatures from **GRP or SMC (glass fiber reinforced composite)**.

Application of regulated heat and pressure make **GRP or SMC** structure very strong and rigid.

Manufactured according to the world-renowned **WRAS** and **EN 13280:2001** quality management system. **GRP Modular Water Tanks** ceilings, floor and sides surfaces are all made of hot pressing.

The highly qualified engineering product is the best and most preferred among water storage.



GRP PANEL. FOR USE WITH WATER UP TO 50 °C
APPROVAL NO : 1907538

**UV LIGHT
RESISTANCE**

(Algae does not occur)

**HEAT
AND
COLD
RESISTANCE**

**HIGHER
MATERIAL
STRENGTH**

ECONOMIC

**LONG
LIFE**

**HYGIENIC
AND
ENVIRONMENTALLY
FRIENDLY**

**HIGH
RESISTANCE
TO CHEMICALS
IN WATER**

**ZERO
CONDUCTIVITY**



- Economic life is long. (about 50 years)
- Low weight.
- Resistant to corrosion.
- No electrical conductivity.
- Low thermal conductivity.

- Can be processed in a simple way.
- Resistant to UV rays.
- Algae in the tank does not occur.
- Paint or maintenance-free.
- No magnetic

- Easily installed in an open area.
- High carrying capacity.
- Suitable for food regulations.
- Hygienic according to all other tanks.
- Panels can be produced as insulated.

GRP - SMC / COMPOSITE PANEL PRODUCTION LINE



GRP - SMC / COMPOSITE PANEL ROBOTIC DRILLING



GRP - SMC / COMPOSITE PACKAGING

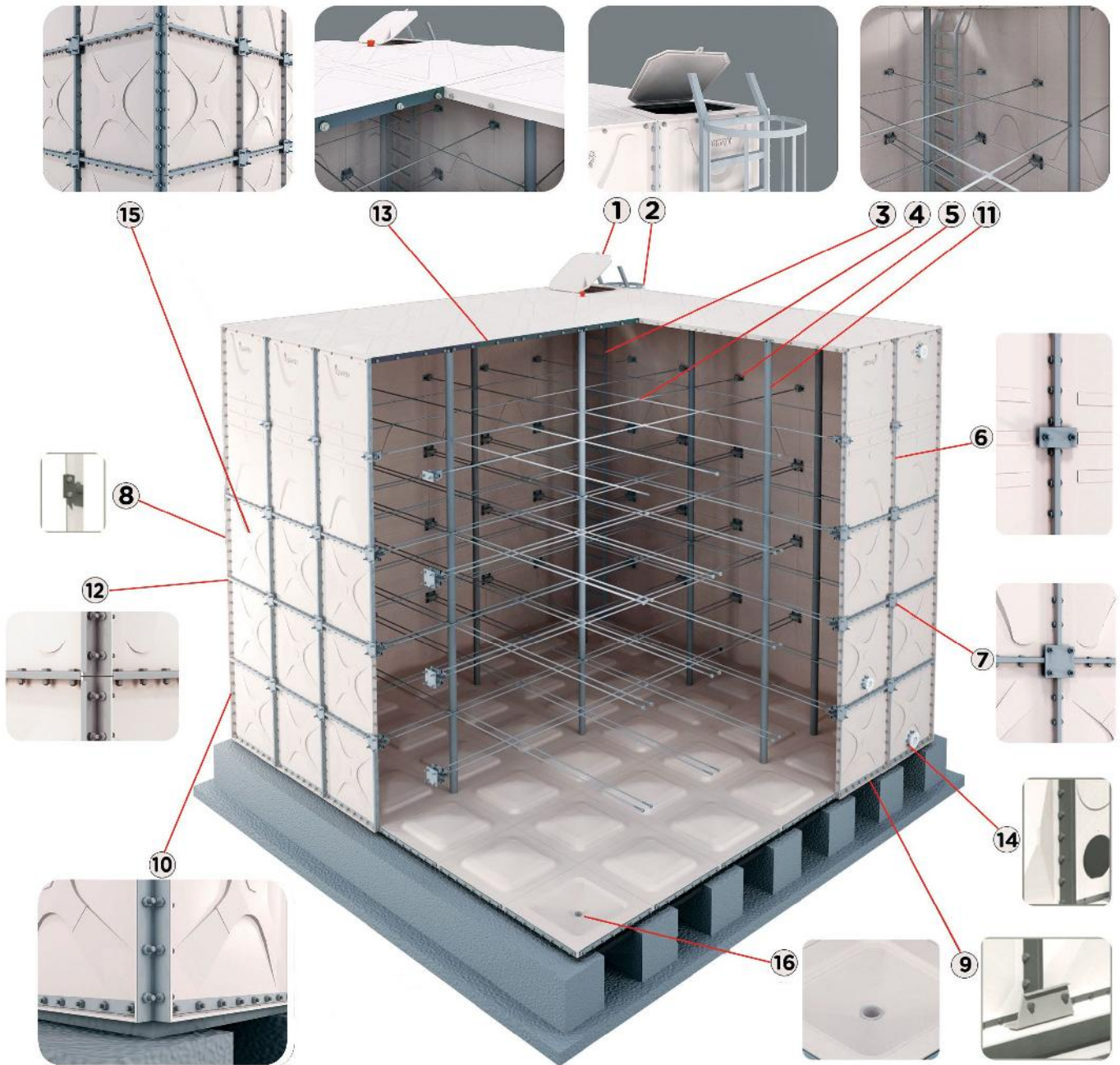


GRP - SMC / COMPOSITE PRESSING



GRP MODULAR WATER TANK DETAILS

GRP (GLAS FIBER REINFORCED COMPOSITE) MODULAR WATER TANK



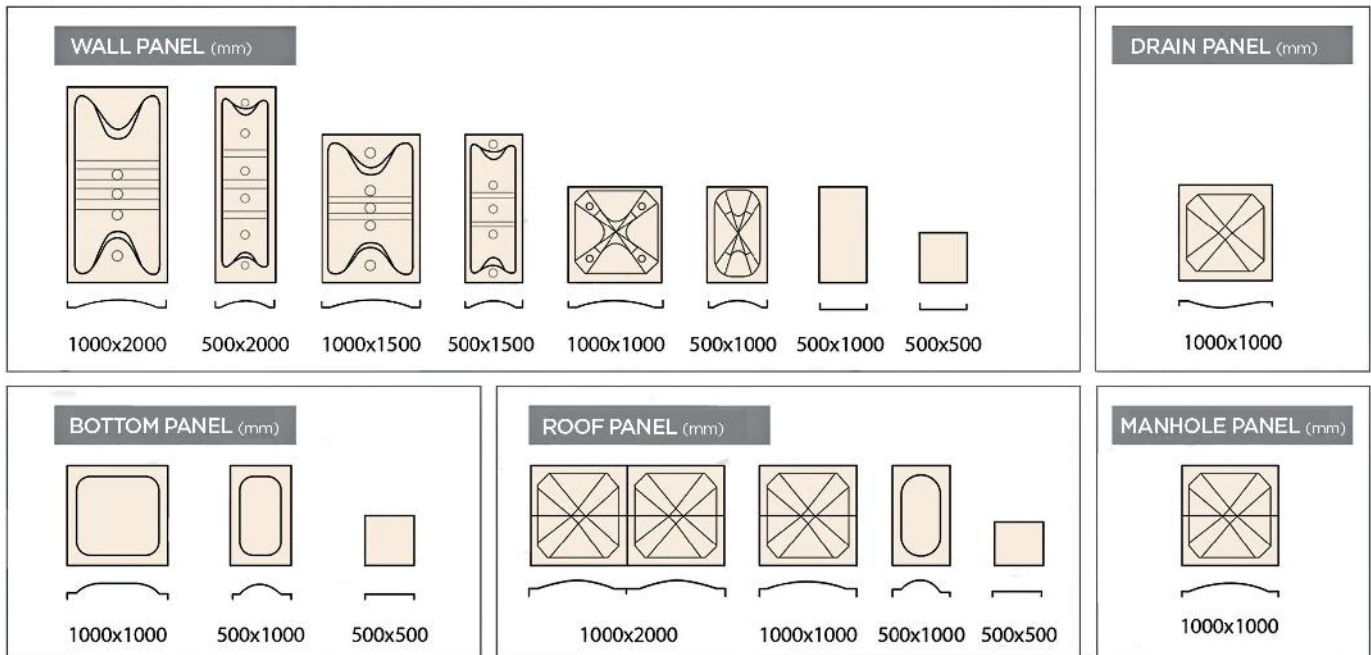
1. Manhole Panel
2. External Ladder
3. Internal Ladder
4. Internal Tie Rod (Stainless Steel)
5. Internal Bracket (Stainless Steel)

6. External Pair Frame
7. External Bracket
8. Corner Bracket
9. Lower Chassis (Hot-dip galvanized)
10. Corner Chassis

11. Roof Support Carrier
12. Bolts and Nuts
13. Sealing Tape
14. Connection Flange
15. Panel
16. Drainage Panel

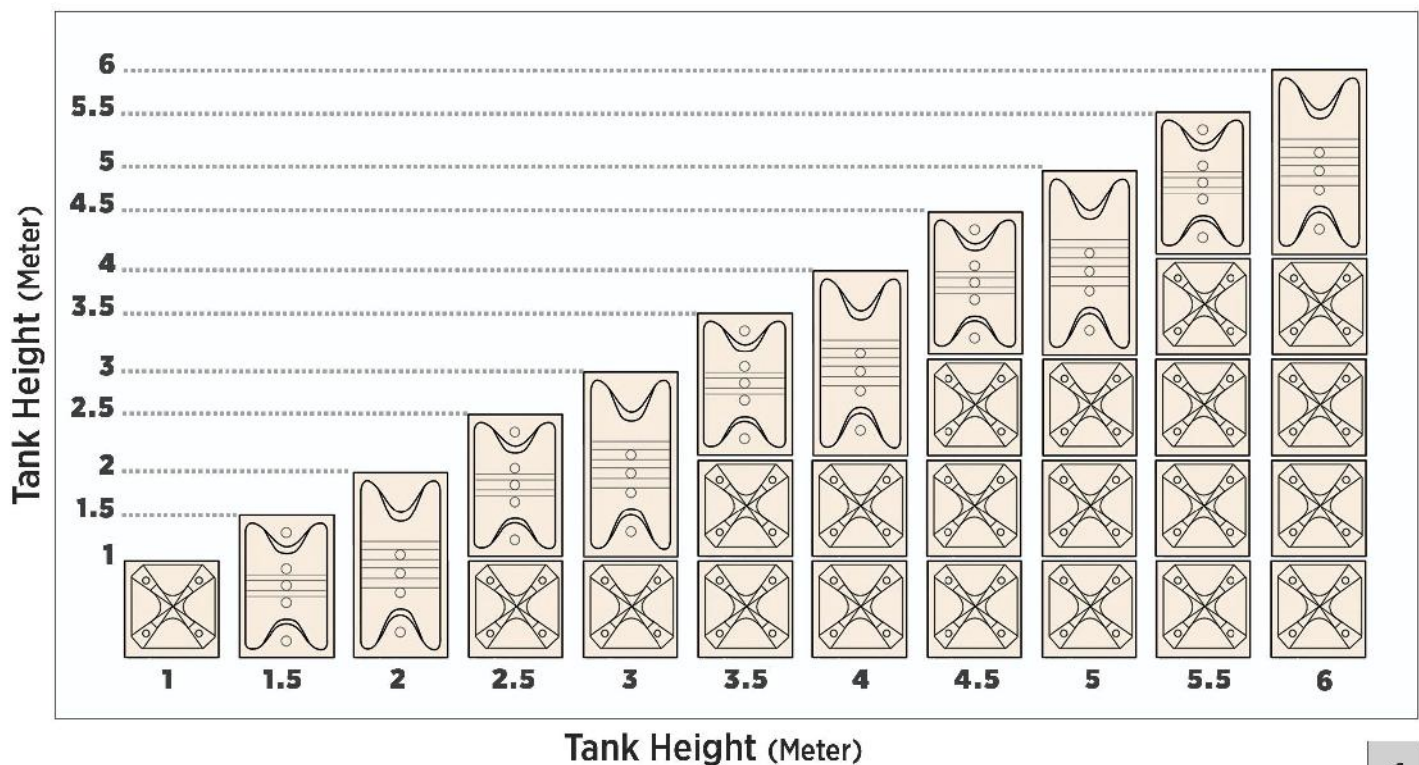
GRP TANK PANEL SIZES

GRP (GLASS FIBER REINFORCED COMPOSITE) MODULAR WATER TANKS



GRP TANK COMPOSITION BY HEIGHT

GRP (GLASS FIBER REINFORCED COMPOSITE) MODULAR WATER TANKS

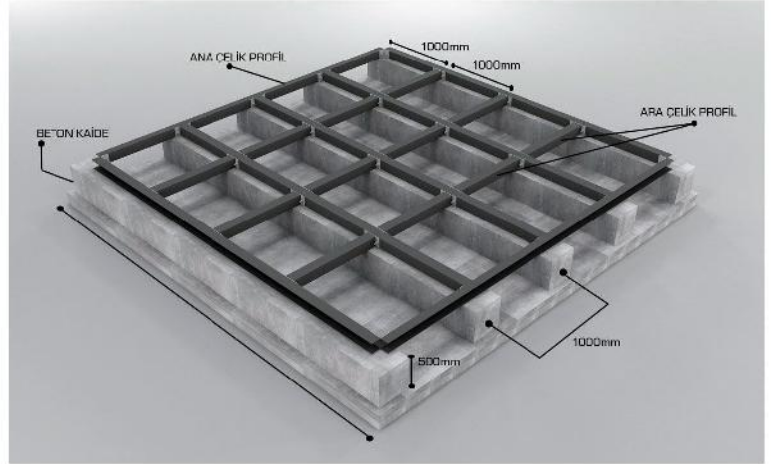


GRP TANK CONCRETE AND STEEL BASES

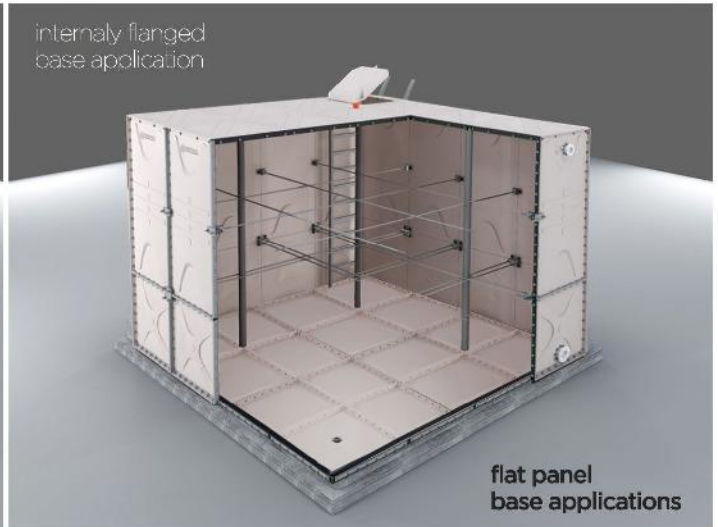
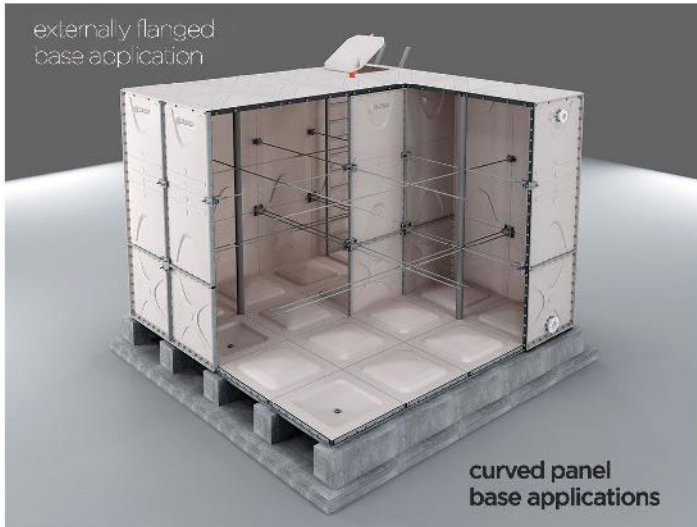
GRP (GLASS FIBER REINFORCED COMPOSITE) MODULAR WATER TANKS

Grp stores are usually mounted on the outer flange, so they need a steel base frame over a special base concrete pads. This steel base is ensured that the storage floor panels are fully supported and seated to the floor so, a more rigid structure is obtained.

Storage base which has a height of 50 cm in the application of pedestal concrete, all surfaces of the tank are ventilated and in case of leakage problems in the future, the intervention becomes easier.

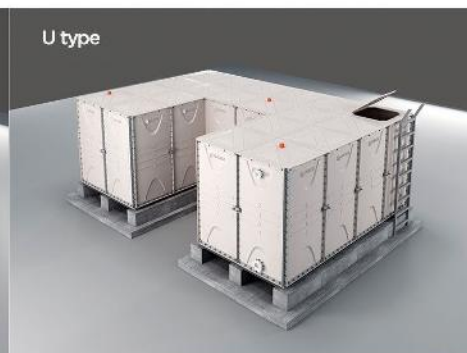
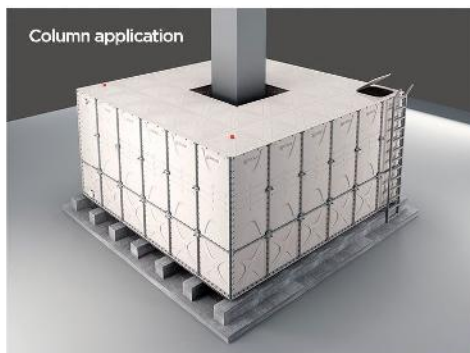


TANK BASE APPLICATIONS



The bottom modules of Ekomaxi water tanks are designed in two ways: Internally flanged and externally flanged. In externally flanged types of bottom panel application, the drainage panel is the concave shape, therefore, they provide the possibility of complete water drainage from the tank.

TANK APPLICATION COMBINATIONS



Since Ekomaxi GRP panels can be produced with multiple options, maximum warehouse volume is provided in limited areas.

INSULATED GRP WATER TANK SYSTEMS

INSULATED GRP (GLASS FIBER REINFORCED COMPOSITE) PANELS

Ekomaxi Insulated GRP Water Tank Systems has weatherproof and high strength structure. The International **WRAS** Quality Certification System certified that GRP Water Tanks of Ekomaxi Company resistant to extremely cold and hot weather conditions (**between +5 °C and +50 °C**) so it can keep the drinking water quality best without any absorption and deterioration.

Tank Type	Thermal Conduction Kcal/mhr °C	
	Single Layer Type	Insulation Type
Steel Tank	37	-----
GRP Tank	<u>0,16</u>	<u>0,017</u>



SAFETY COEFFICIENTS

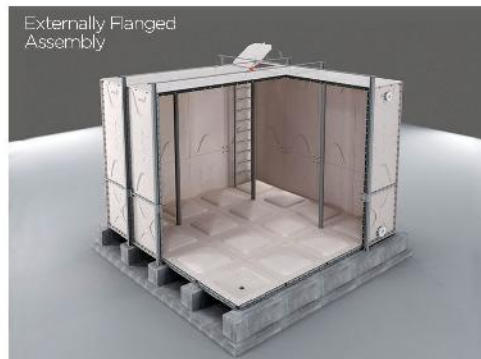
Definition	Physical Properties
Tensile Stress	99,5 MPa
Bending Stress	165 MPa
Elastise Module	13800 MPa
Glass Fiber Ratio	25-33 %
Barcol Hardness	Over 30
Water Absorption Rate	0,01 %
Water Temperature	it can be used up to 50 °C

INSULATED GRP PANEL PRODUCTION LINE



Ekomaxi GRP Panels have **WRAS** certificate accepted by the whole world. In addition, its compliance with the food regulation has been reported by the tests performed by **WRAS** and **TSE**. Exterior surfaces of GRP modular water tanks are covered **polyurethane foam** so that it provides thermal isolation. The thermal isolation that using throughout this process not includes **CFC** and **HCFC** thereby it does not harm the nature.

EXTERNALLY FLANGED GRP TANK SYSTEMS



Because of purification unit installed inside the water tank which is mostly using in water recycling systems except sewage, it can not be possible that is installed as internally supported.

it can not be possible that is installed as internally supported. In these case, installation is made as externally supported.

■ SAMPLE INSTALLATION - APPLICATION PHOTOS



■ Concrete Base



■ Base Steel Base Panel Application



■ Completion of Side Panels



■ Completion of Top Roof Panels



■ Commissioning of the Water Tank

Approval Number: 1907538
Test Report: M6649P & M67119Z

25th May 2021
Yagiz Enerji Makine Insaat Taahhut Sanayi Tic. Ltd. Sti.
2. Organize San. Bol. 3. Cad. No.3
Malatya
44100



Water Regulations Advisory Scheme Ltd.
Unit 13
Willow Road,
Crumlin,
Gwent,
NP11 4EQ

WATER REGULATIONS ADVISORY SCHEME LTD. (WRAS) MATERIAL APPROVAL

The material referred to in this letter is suitable for contact with wholesome water for domestic purposes having met the requirements of BS6820:1-2000 and/or 2014 Suitability of non-metallic products for use in contact with water intended for human consumption with regard to their effect on the quality of the water.
The reference relates solely to its effect on the quality of the water with which it may come into contact and does not signify the approval of its mechanical or physical properties for any use.

GLASS REINFORCED PLASTICS (GRP) COMPONENTS.
Ekoman Tank Panel, Off-white coloured, compression moulded GRP panel. For use with water up to 10 bar.
APPROVAL NUMBER: 1907538
APPROVAL HOLDER: YAGIZ ENERJİ MAKİNE İNŞAAT TAHHÜT SANAYİ TİC. LTD. STİ.

The Scheme reserves the right to review approval.
Approval 1907538 is valid between July 2019 and July 2024.
An entry, as above, will accordingly be included in the Water Fittings Directory on-line under the section headed, "Materials which have passed full tests of effect on water quality".
The Directory may be found at: www.wrasapprovals.co.uk/approvals-directory/
Yours Faithfully
Ian Hughes
WRAS Approvals Manager



**TÜRK STANDARDLARI ENSTİTÜSÜ
TÜRK STANDARDLARINA UYGUNLUK BELGESİ
CERTIFICATE OF CONFORMITY TO TURKISH STANDARDS**

Markanın Tescimi
TSE

Belge Numarası
048478-TSE-0202

Belgenin İlk Veriliş Tarihi
31.01.2017

Belgenin Son Geçerlilik Tarihi
31.01.2022

Belge Sahibi Kuruluşun Adı
YAGIZ ENERJİ MAKİNE İNŞAAT TAHHÜT SANAYİ TİC. LTD. STİ.

Belge Sahibi Kuruluşun Adresi
2. ORGANİZE SAN. BÖL. 3. CAD. NO.30 MALATYA/TÜRKİYE

Üretim Yeri Adı
YAGIZ ENERJİ MAKİNE İNŞAAT TAHHÜT SANAYİ TİC. LTD. STİ.

Üretim Yeri Adresi
2. ORGANİZE SAN. BÖL. 3. CAD. NO.30 MALATYA/TÜRKİYE

İlginç Belge Numarası (Varsa)
048478-TSE-0201

İlginç Belge Numarası (Yoksa)
"EKOMAKİ MODÜLER SU DEPOLAMA SİSTEMLERİ"

İlginç Belge Numarası (Yoksa)
TS EN 13280 / ZB 11.2001

"İSTERNER FOR THE STORAGE ABOVE GROUND FOR COLD WATER
NS WITHIN 50 L AND LARGER NOMINAL CAPACITY
SINKING WATER CLASS A1"

"İSTERNER FOR THE STORAGE ABOVE GROUND FOR COLD WATER
NS WITHIN 50 L AND LARGER NOMINAL CAPACITY
SINKING WATER CLASS A1"

"İSTERNER FOR THE STORAGE ABOVE GROUND FOR COLD WATER
NS WITHIN 50 L AND LARGER NOMINAL CAPACITY
SINKING WATER CLASS A1"

"İmza ile onaylandı"
29.01.2021
"İmza ile onaylandı"
Erdoğan YILMAZ
Belge Onaylama Müdürü



**TÜRK STANDARDLARI ENSTİTÜSÜ
KRİTERE UYGUNLUK BELGESİ
TURKISH STANDARDS INSTITUTION
CERTIFICATE OF CONFORMANCE TO CRITERIA**

Markanın Tescimi
TSEK

Belge Numarası
048478-TSEK-0104

Belgenin İlk Veriliş Tarihi
21.12.2010

Belgenin Son Geçerlilik Tarihi
21.12.2021

Belge Sahibi Kuruluşun Adı
YAGIZ ENERJİ MAKİNE İNŞAAT TAHHÜT SANAYİ TİC. LTD. STİ.

Belge Sahibi Kuruluşun Adresi
2. ORGANİZE SAN. BÖL. 3. CAD. NO.30 MALATYA

Üretim Yeri Adı
YAGIZ ENERJİ MAKİNE İNŞAAT TAHHÜT SANAYİ TİC. LTD. STİ.

Üretim Yeri Adresi
2. ORGANİZE SAN. BÖL. 3. CAD. NO.30 MALATYA

İlginç Belge Numarası (Varsa)
"EKOMAKİ MODÜLER SU DEPOLAMA SİSTEMLERİ"

İlginç Belge Numarası (Yoksa)
"EKOMAKİ MODÜLER SU DEPOLAMA SİSTEMLERİ"

İlginç Belge Numarası (Yoksa)
"EKOMAKİ MODÜLER SU DEPOLAMA SİSTEMLERİ"

"İmza ile onaylandı"
07.11.2020
Belge Onaylama Müdürü
Erdoğan YILMAZ
TSE Malatya Belge Onaylama Müdürü



**QA-AC-226/10
QA TECHNIC - UYGUNLUK ONAYI
QA TECHNIC - ATTESTATION OF CONFORMITY**

Markanın Tescimi
TSE

Belge Numarası
048478-TSE-0202

Belgenin İlk Veriliş Tarihi
31.01.2017

Belgenin Son Geçerlilik Tarihi
31.01.2022

Belge Sahibi Kuruluşun Adı
YAGIZ ENERJİ MAK. İNŞ. TAHH. SAN. TİC. LTD. STİ.

Belge Sahibi Kuruluşun Adresi
2. ORGANİZE SAN. BÖL. 3. CAD. NO.30 MALATYA/TÜRKİYE

Üretim Yeri Adı
YAGIZ ENERJİ MAKİNE İNŞAAT TAHHÜT SANAYİ TİC. LTD. STİ.

Üretim Yeri Adresi
2. ORGANİZE SAN. BÖL. 3. CAD. NO.30 MALATYA/TÜRKİYE

İlginç Belge Numarası (Varsa)
"EKOMAKİ MODÜLER SU DEPOLAMA SİSTEMLERİ"

İlginç Belge Numarası (Yoksa)
"EKOMAKİ MODÜLER SU DEPOLAMA SİSTEMLERİ"

İlginç Belge Numarası (Yoksa)
"EKOMAKİ MODÜLER SU DEPOLAMA SİSTEMLERİ"

"İmza ile onaylandı"
07.11.2020
Belge Onaylama Müdürü
Erdoğan YILMAZ
TSE Malatya Belge Onaylama Müdürü

STAINLESS STEEL (AISI) MODULAR WATER TANKS

STAINLESS STEEL (AISI 304-316 L) MODULAR WATER TANK



Water tank and water storage tanks made of modular parts that are manufactured on high-pressure presses from stainless steel (**AISI 304 - 316 L**) quality materials.

- AISI 304 chrome steel
- AISI 316 chrome steel



GALVANIZED MODULAR WATER TANKS

GALVANIZED (ST-37) MODULAR WATER TANK

Water tank and water storage tanks made of modular parts that are manufactured on high-pressure presses from **Hot Dip Galvanized Steel (ST-37)** quality materials.

- Galvanized carbon steel
- Hot dip galvanized carbon steel (ST 37)



Water storage tanks are made from stainless steel and galvanized sheet metal have high corrosion resistance and longer life. All products produced in our facility are **CE, TSE, TSEK** certified.

In addition, public sector projects such as the Ministry of Environment and Urbanization etc. are produced according to the specification standards of institutions.



CHROME STEEL AND GALVANIZED STEEL WATER TANK MANUFACTURING LINE



PRODUCTION IS MADE WITH THE LATEST TECHNOLOGIES IN WORLD STANDARDS.

It has a dynamic sale/ installation & maintenance network from small to very large scale with the understanding of immediate delivery from stock.

BEFORE - AFTER SALES SUPPORT

MODULAR WATER TANK SYSTEMS

As **Ekomaxi** is a quality-oriented production policy and customer-oriented sales solutions company, it provides support before and after sales process in order to get satisfied customers.

Ekomaxi, provides its customers solutions according to their requirements and demands before sales. The most important point is, get right demands of its customers and determine choice of water tank correctly for **Ekomaxi** company which is provide its customers before sales support towards to changing and developing sector.

Ekomaxi company, by rendering as soon as fast services such as delivery, assembly, maintenance, technical service and training with its expert and field staff, provides fast and effective solutions.

K.Maras / Sivrice Container Town - AISI Steel Water Tank 2400 M³



S.Urfa / Harran Refugee Camp - AISI Steel Water Tank 2400 M³



■ Northern Iraq / Duhok Refugee Camp AISI Steel Water Tank 1200 M³



■ K.Maras / Sivrice Container Town - AISI Steel Water Tank 2400 M³



■ S.Urfa / Harran Refugee Camp - AISI Steel Water Tank 2400 M³



■ Sudan / Hartum - Tanmsal Sulama Projesi - GRP Su Deposu



WE HAVE COMPLETED 18 REFUGEE CAMP SECTIONAL WATER TANK PROJECTS SUCCESSFULLY IN SYRIA, IRAQ AND TURKEY

REFUGEE CAMP PROJECTS	COUNTRY	MATERIAL	CAPACITY
NORTHERN IRAQ / DUHOK REFUGEE CAMP	IRAQ	AISI 304	1200 M ³
CERABLUS REFUGEE CAMP / AFAD	SYRIA	GRP	1000 M ³
EL-BAB REFUGEE CAMP	SYRIA	AISI 304	1000 M ³
ADANA / SARICAM REFUGEE CAMP / AFAD	TURKEY	AISI 304	3600 M ³
SANLIURFA / SURUC REFUGEE CAMP	TURKEY	AISI 304	2400 M ³
KILIS / ONCUPINAR REFUGEE CAMP	TURKEY	AISI 304	2400 M ³
K.MARAS / SIVRICE CONTAINER CITY	TURKEY	AISI 304	2400 M ³
OSMANIYE / CEVDETIYE CONTAINER CITY / AFAD	TURKEY	AISI 304	3600 M ³
KILIS / COBANBEY / EL-RAI REGION	TURKEY	AISI 304	1200 M ³
HATAY / ALTINOZU TEMPORARY HOUSING CENTER	TURKEY	AISI 304	1200 M ³
MARDIN / DERIK TENT TOWN	TURKEY	AISI 304	1200 M ³
MALATYA REFUGEE CAMP	TURKEY	AISI 304	1200 M ³
SANLIURFA / HARRAN REFUGEE CAMP	TURKEY	AISI 304	1200 M ³
SANLIURFA / CEYLANPINAR REFUGEE CAMP	TURKEY	AISI 304	1000 M ³

■ S.URFA / TURKEY - SURUC Refugee Camp Water Tank 2400 M³



■ İstanbul / İSKİ - Su ve Kanalizasyon İdaresi GRP Su Deposu -1000 M³



From Turkey to all over the Earth..

Since its establishment, **YAGIZ ENERGY MACHINERY** has been continuing its completed international projects and increasing exports day by day so it has become a solution partner sought in international market.



Water is our source of life; we store...



Yagiz Energy Machine and Construction Co. Ltd.

Ekomaxi Modular Water Storage Solutions is a trademark of Yagiz Energy Machinery.

FACTORY (CENTRAL) :

2. Org. San. Bol. 3. Cad. No:30
PK 44320, Malatya / TURKEY

(WEB / EMAIL) :

www.ekomaxi.com
info@ekomaxi.com

FACTORY PHONE :

+90 422 238 00 99
+90 422 238 49 99 (Fax)

TURKEY / ANKARA OFFICE :

Cankaya Mah. Ebuziya Tevfik Sk. No:3 / Daire 10
PK 06680, Cankaya / Ankara / TURKEY

FOLLOW US :

facebook.com/ekomaxi.moduler.sistemler/
instagram.com/ekomaxiofficial/
twitter.com/ekomaxi1
linkedin.com/in/ekomaxi



SCAN ME

Read for the Corporate Film.

