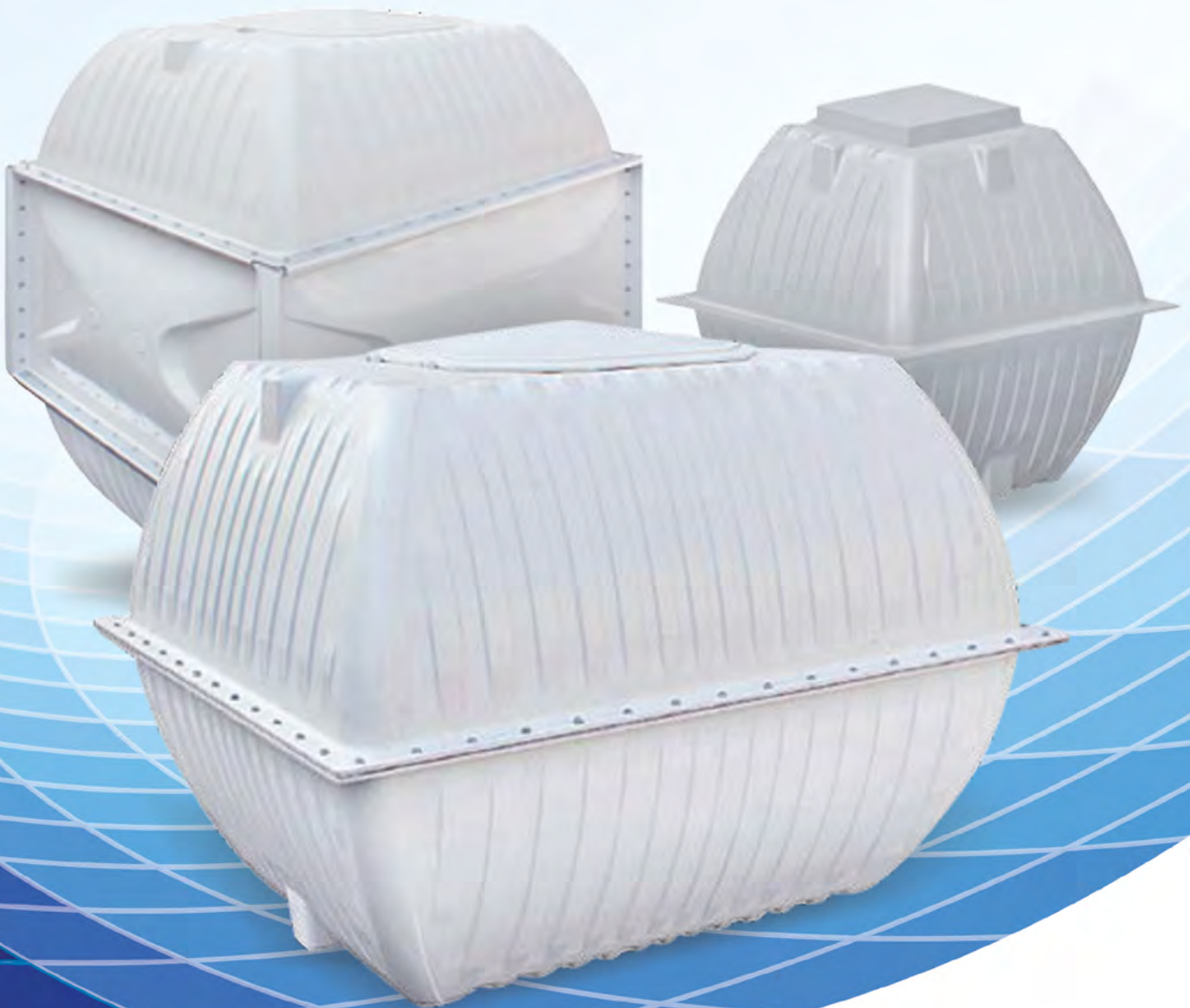




## **EAZY WATER TANKS** **(EARTHQUAKE-RESISTANT TYPE)**



[WWW.PIPECOGROUP.COM](http://WWW.PIPECOGROUP.COM)

## /// ABOUT US ///



Pipeco Group of company specializes in the development and production of Eazy Water Tanks in the world. Located in Gimhae, Korea our large-scale plant and research center are dedicated to ongoing development and production to lead the industry. We have successfully delivered services for over two decades and will promise to continue with the same services for our potential clients.

Our products are designed and manufactured under BS EN 13280 : 2001 and British Standard BS 7491 Part 3 : 1994

We guarantee our products, and we never compromise with quality standards and it beats the best in the market at present. Our products have made their grasp also with the overseas market and getting excellent feedback.

We are so well connected with our quality of the products that we receive positive feedback from our valuable customers. Many of our vendors are also immensely satisfied with our products and services.

We ask for your continuing interest and support.

If you have any requirements reach via [sales@pipecogroup.com](mailto:sales@pipecogroup.com)

## /// GENERAL SPECIFICATION ///

- **STANDARD** : BS EN 13280 : 2001 and British Standard BS 7491 Part 3 : 1994
- **MATERIALS** : Sheet Moulding Compound (SMC) consists of below specification Resin - Isophthalic unsaturated polyester resin conforming to BS 3532 specification Fiber Glass - Low alkali fiberglass conforming to JIS R3411 to R3417 or BS 3396, BS 3496, and BS 3749 specifications.
- **MANUFACTURING PROCESS** : Hot pressed SMC compression moulding
- **SEALANT** : Non-toxic PVC
- **BOLT, NUTS, WASHERS** : External Standard : SS 316 A4 Grade (Optional SS 304)
- **NOZZLE PANEL** : Option available in the tank

## FEATURES OF EASY WATER TANKS ///

### ● EXCELLENT HEAT INSULATION

Insulated panel with 4 layers structured & using Eco-friendly Polyurethane heat insulating material ensure excellent insulating effect.

### ● EXCELLENT DURABILITY

It secures excellent surface strength & durability as using high - temperature & high pressure press machine (2,500 Ton)

### ● STRUCTURE OF NON SKID BASE

Excellent Earthquake - resistant without concrete frame & skid base.

### ● EASY & QUICK TO INSTALL

It is easy and quick to install with easy assembly of upper & lower panels.

### ● COMPETITIVE PRICE

Excellent price competitiveness & high quality water tank with no Tie-rod type.

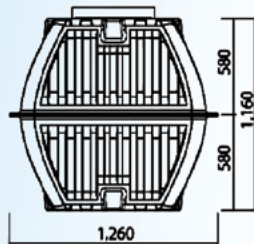
### ● EASY TO CLEAN & EXCELLENT HYGIENIC

Because of wide manhole, it is easy to clean inside of water tank & it has excellent hygienic & water tightness.

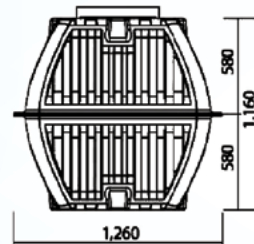


# TYPES OF EAZY WATER TANKS

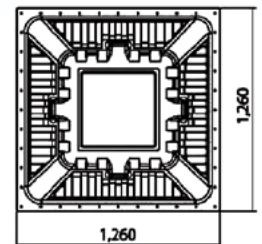
## 1 m<sup>3</sup> (1000 Ltrs)



Front view

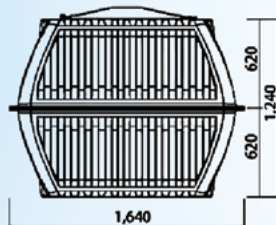
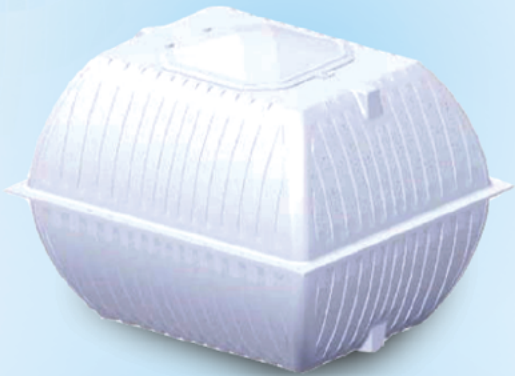


Side view

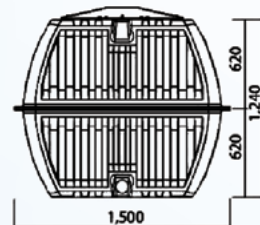


Floor plan

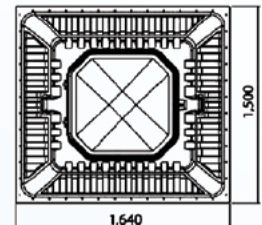
## 2 m<sup>3</sup> (2000 Ltrs)



Front view

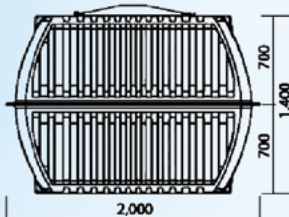


Side view

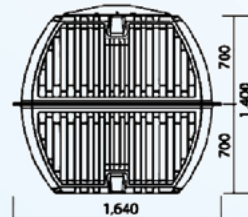


Floor plan

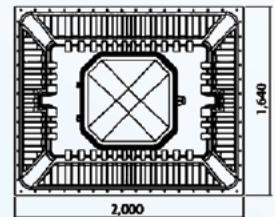
## 3 m<sup>3</sup> (3000 Ltrs)



Front view

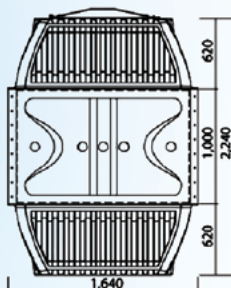


Side view

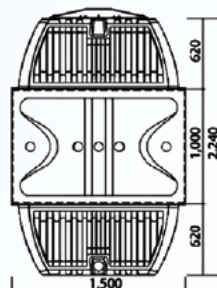


Floor plan

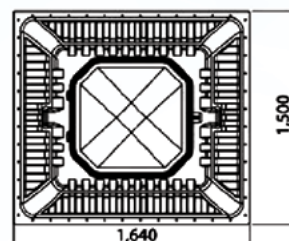
**4 m<sup>3</sup> (4000 Ltrs)**



Front view

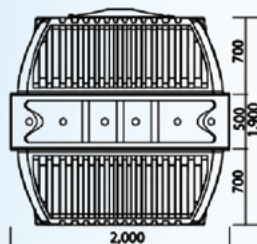


Side view

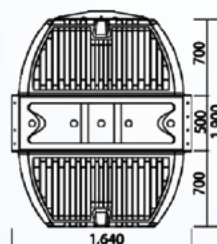


Floor plan

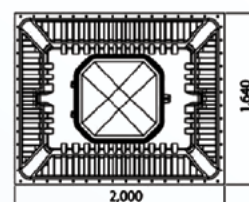
**5 m<sup>3</sup> (5000 Ltrs)**



Front view

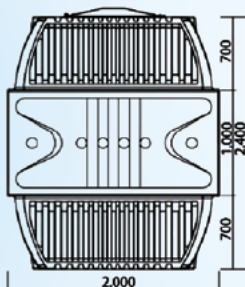


Side view

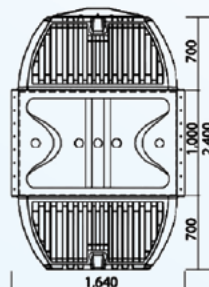


Floor plan

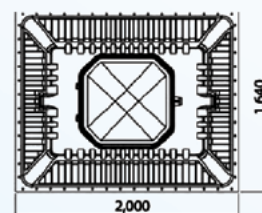
**6 m<sup>3</sup> (6000 Ltrs)**



Front view



Side view



Floor plan

## /// PANEL PHYSICAL PROPERTIES ///

| TEST ITEM                                       | UNIT    | SAMPLE | RESULT     | TEST METHOD                                                     |
|-------------------------------------------------|---------|--------|------------|-----------------------------------------------------------------|
| Specific Gravity (23°C/23°C)                    | -       | -      | 1,806      | ASTM D792-13 (Test Method A)                                    |
| Water Absorption                                | %       | -      | 0.02       | ASTM D570-98 (2010)e1 (24 h immersion)                          |
| Tensile Strength                                | MPa     | -      | 115        | ASTM D638-14(*)                                                 |
| Tensile Elastic Modulus                         | GPa     | -      | 17.5       | ASTM D638-14(*)                                                 |
| Flexural Strength                               | MPa     | -      | 213        | ASTM D790-17(Procedure A)                                       |
| Flexural Elastic Modulus                        | GPa     | -      | 15.9       | ASTM D790-17(Procedure A)                                       |
| Shear Strength                                  | MPa     | -      | 114        | ASTM D732-17                                                    |
| Izod Impact Strength                            | J/m     | -      | 923        | ASTM D256-10e1 (Test Method A)                                  |
| Compressive Strength                            | MPa     | -      | 234        | ASTM D695-15 (**)                                               |
| Thermal Conductivity                            | W/(m.k) | -      | 0.115      | KS L 9016 : 2010<br>(By means of the Heat Flow Meter Apparatus) |
| Thermal Conductivity<br>(Mean Temperature 20°C) | W/(m.k) | -      | 0.024      | KS L 9016 : 2010<br>(By means of the Heat Flow Meter Apparatus) |
| Barcol Hardness                                 | -       | -      | 53         | ASTM D2583-13a                                                  |
| Glass Content                                   | %       | -      | over 42.9% | ASTM D2584-11                                                   |

## /// STRENGTH & DURABILITY ///

| SECTION              | DESIGN STANDARD                                                                                                                   |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Hydrostatic Pressure | Water pressure reinforcement 6 times & standard<br>Transformation rate in filled with water : Less than 1% from water tank height |
| Earthquake Force     | Stable and safe till magnitude 5.0 (Over magnitude 5.0, need additional reinforcement)                                            |
| Water Temperature    | Usable temperature : Less than 30°C / Limited temperature : Max 70°C (insulated)                                                  |
| Water Quality        | Tap water, Well water : Chlorine below 50mg/L<br>Seawater : application Externally Reinforced water tank (max 3m height)          |

# CERTIFICATION

  
**CERTIFICATE**

REGISTRATION

This is to certify that the management system of

**Pipeco Korea**  
575, Gomo-ro, Jillye-Myeon, Gimhae-Si, GyeongSangnam-Do, Korea.

has been assessed and registered by  
Veritas Assurance International as conforming to the requirements of

**ISO 9001:2015**  
**Quality Management System**

The Quality Management System is applicable to

**Manufacture and Service of GRP Water Tank, Steel Reinforced Materials.  
Sales of Water Tank Panel and Steel Reinforced Materials.**

Certificate No : 5031849

Certificate issue date : 20-02-2019 | Valid Up to : 19-02-2022

Upon successful completion of next continuous surveillance the certificate will be renewed with an extended validity to a full three year cycle from the original issue date

  
Authorized Signatory  
Veritas Assurance International

  
Veritas Assurance International is Accredited by ASB  
(Approved Bureau International Board (Swiss) Limited)  
Registered Headquarters Office:  
Kemp House, 100 City Road, London, United Kingdom.

This certificate is issued under the terms of the Veritas Assurance International (Veritas) Management System Certification Scheme. It is not a guarantee of performance and does not constitute an endorsement of the product or service. The certificate holder is responsible for ensuring that the management system remains compliant with the requirements of the standard. The certificate holder is also responsible for ensuring that the management system is maintained and updated as required. The certificate holder is also responsible for ensuring that the management system is audited by an independent body. The certificate holder is also responsible for ensuring that the management system is reviewed and updated as required. The certificate holder is also responsible for ensuring that the management system is maintained and updated as required. The certificate holder is also responsible for ensuring that the management system is audited by an independent body. The certificate holder is also responsible for ensuring that the management system is reviewed and updated as required.

**VERITAS ASSURANCE INTERNATIONAL** 

  
**CERTIFICATE**

REGISTRATION

This is to certify that the management system of

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575, Gomo-ro, Jillye-Myeon, Gimhae-Si, GyeongSangnam-Do, Korea.

has been assessed and registered by  
Veritas Assurance International as conforming to the requirements of

**ISO 14001:2015**  
**Environmental Management System**

The Environmental Management System is applicable to

**Manufacture and Service of GRP Water Tank, Steel Reinforced Materials.  
Sales of Water Tank Panel and Steel Reinforced Materials.**

Certificate No : 5031941

Certificate issue date : 20-02-2019 | Valid Up to : 19-02-2022

Upon successful completion of next continuous surveillance the certificate will be renewed with an extended validity to a full three year cycle from the original issue date

  
Authorized Signatory  
Veritas Assurance International

  
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**VERITAS ASSURANCE INTERNATIONAL** 

  
**CERTIFICATE**  
OF REGISTRATION

This is to certify that the Management System of

**Pipeco Korea**  
575, Gomo-ro, Jillye-Myeon, Gimhae-Si, GyeongSangnam-Do, Korea.

has been assessed and registered by Veritas Assurance International  
as conforming to the requirements of

**ISO 45001:2018**  
**Occupational Health and Safety Management System**

The Occupational Health & Safety Management System is applicable to:

**Manufacture and Service of GRP Water Tank, Steel Reinforced Materials.  
Sales of Water Tank Panel and Steel Reinforced Materials.**

Certificate No : 5031842

Certificate issue date : 20-02-2019 | Certificate registration date : 29-04-2021 | Certificate expiry date : 19-02-2022

  
Authorized Signatory  
Veritas Assurance International

  
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**VERITAS ASSURANCE INTERNATIONAL** 

  
**WRAS**  
APPROVED MATERIAL

Approval Number: 1705563  
Test Report: M5926/A

21<sup>st</sup> January 2019

**Pipeco Korea**  
575, Gomo-ro, Jillye-Myeon, Gimhae-Si, GyeongSangnam-Do, Republic of Korea

**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 BS6920-1:2000 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** 5120

"Pipeco Korea Tank Panel", Beige coloured, compression moulded GRP tank panel. For use with water up to 55°C.

**APPROVAL NUMBER: 1705563**  
**APPROVAL HOLDER: PIPECO KOREA**

The Scheme reserves the right to review approval.  
Approval 1705563 is valid between May 2017 and May 2022

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.wras.co.uk/directory](http://www.wras.co.uk/directory)

Yours faithfully

  
Jason Furnival  
Approvals & Enquiries Manager  
Water Regulations Advisory Scheme

The Water Regulations Advisory Scheme Ltd. Registered in England No. 08002001 Registered office: 40 Leach Close, Hazel Grove, Stockport, S47 8SD  
Tel: +44(0)161 257 8030 Fax: +44(0)161 450 1245 Email: [info@wras.co.uk](mailto:info@wras.co.uk) Website: [www.wras.co.uk](http://www.wras.co.uk)



## PIPECO INDUSTRIES, UNITED ARAB EMIRATES

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## PIPECO TANKS