



No. 1 double wall tank in Korea

U-WON Co., Ltd

Oil Storage Tank Company, U-WON



UwonTank Thai,
UwonTank Myanmar
Local plant operation



U-WON Co., Ltd



Contents

- 1 PROPOSAL OUTLINE
- 2 ABOUT US
- 3 BUSINESS PERFORMANCE
- 4 DOUBLE WALL TANK
- 5 DOUBLE PIPING
- 6 SPECIALLY MANUFACTURED TANK
- 7 FABRICATION INSTALLATION PLAN
- 8 FORCED REINFORCED PLASTIC
- 9 STEEL SINGLE WALL TANK
- 10 DANGEROUS GOODS PRODUCT INTRODUCTION
- 11 CERTIFICATE AND RETENTION

1 proposal outline

1 Production capacity of over 1,500 units per year

u-won Co., Ltd. is a **total specialized company related to gas stations** (dangerous goods design, license, oil storage tank manufacturing and installation, piping construction, etc.)

We have been striving for continuous R&D and productivity improvement.

In February 2012, the factory was relocated to Ssangbong-ri, Geumwang-eup.

Equipped with welding **automation equipment (sub merged complete penetration)**

We conduct **total non-destructive testing** of welded parts of all products.

It has an annual production capacity of **more than 1,500 units**.

2 Thorough quality control/Acquisition of various certifications

In addition, **ISO 9001, 14001** was passed in February 2009 for thorough quality control.

Acquired **UL certification** in August 2011, **management innovation type small and**

medium-sized business certification in April 2012, Acquired **ASME certification** in

December 2013

3 Achieved 78% domestic market share in 2018

u-won Co., Ltd., **which achieved 78% of the domestic market share in 2018,**

With the mindset of always learning

Learn and apply new skills as quickly as possible,

We return the profits created through management innovation and cost reduction to our customers. As a company that contributes to society,

I would like to **participate in your tank delivery and piping construction.**

Submit your company profile and proposal.

2 About Us

1 HISTORY

2008

Feb. Established u-won Co., Ltd.
Nonghyup gas station delivery of double tanks
and registration of plumbing construction

2009

Acquired ISO 9001, 14001 certification
Road construction, oil refinery (S-OIL) delivery and
construction

2010

Exclusive contract for dual piping materials
(Norway – HALLING PLAST)

2011

Registration of mechanical facility construction business
(specialized construction business)
Exported mobile gas stations to Angola, Africa
Acquired UL – 142 certification

2012

relocation of factory
- 325 Ssangbong-ri, Geumwang-eup, etc.
(13,307m²), (3,903m² factory)
Started exporting to Mongolia KRW 134 million

2013

ASME H.U.HLW Certification

2014

Acquisition of general building license
Oil refineries (S-OIL, Hyundai Oilbank),
Nonghyup Federation (exclusive)
tank supply contract
Thailand SGC tank supply contract

2015

Renewed tank supply contract with oil refineries
(S-OIL, Hyundai Oilbank)
Established U-WON TANK-THAI local corporation

Company History

2016

- Nonghyup Federation system contract registration, oil refinery (S-OIL, Hyundai Oilbank)
Renewed tank supply contract
- Signed an exclusive sales contract with SCG Trading in Thailand for ASEAN countries
- Approved investment by Thailand Investment Authority and started exporting to Myanmar (Export contract for 106 tanks)
- Awarded a number of management best practices: Designated as a promising small and medium-sized business for export / Excellent quality management company

- Million Dollar Export Tower / Designated as Small and Medium Business for Talent Development / Prize in Export Best Practice Contest

2018

- Cap for integrated oil leak detection and pressure measurement at the Korean Intellectual Property Office
- Designated as a first-class venture company by Chungcheongbuk-do

2017

- Australia tank export - JCC Suntech Pty Ltd
- Renewed tank supply contract with oil refineries (S-OIL, GS Caltex), National Agricultural Cooperative Federation grid contract extension

2019

- Factory expansion (land 22,286m², factory 7,396.88m²)
- GS Caltex Double Wall Tank Exclusive Extension Contract
- Established UWON TANK-MYANMAR local corporation
- SK NETWORKS Ulsan-dong Gwangju Gas Station, Anseong Anpyeong Gas Station tank delivery
- STX Engine [Hyundai Engineering & Construction UAE Nuclear Power Plant] U L142 storage container export
- Gas station tanks in the SAB facility in Al-Suwaira, Iraq
Plumbing work

2020

- Supplied steel double wall tank to LG Electronics Changwon Plant
- GS Caltex, S-OIL Tank Delivery

2021

- Myanmar MMTM, MAX ENERGY tank supply contract signed
- Agreement with Jecheon Industrial High School

2022

- Supplied tanks to GS Caltex Seoul Hwail Gas Station
- Signed contract with SK Energy Changwon Cargo Service Area
- GS Caltex Naegok-dong Gas Station Tank Delivery

2023

- Commencement of chemical plant TANK and piping equipment business (CJ CheilJedang Incheon Factory, Sempio Incheon Factory, Aju Industrial, Hwaseong TS Automobile Safety Research Institute)

2 Company Overview

U-WON Co., Ltd

A manufacturer specializing in double wall tanks for oil storage

Mutual	U-WON
Location	319-2 Geumil-ro (325 Ssangbong-ri), Geumwang-eup, Eumseong-gun, Chungcheongbuk-do, etc.
Representative	Donghun Jung
Registration Num	303-81-80354
Factory site	22,389m ²
Establishment	2008.02.01
business item	Manufacturing, wholesale, construction, trade / Metal tanks for storage, Double piping materials, double piping construction Hazardous materials design /licensing/construction work
Capital	2 billion won

 Tel : **1600-5104**

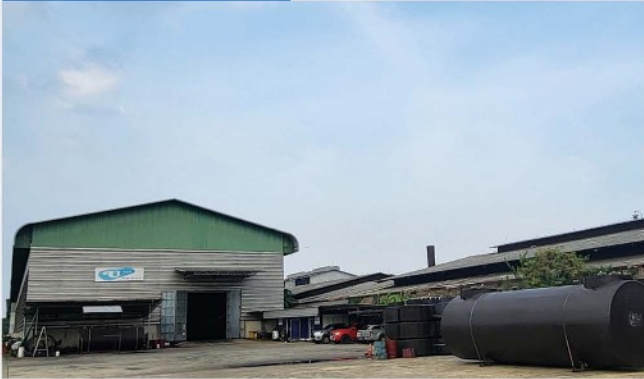
 Fax : **043-883-4042**

 E-mail : **uwontank@naver.com**

 WebSite : **<http://www.u-wontk.co.kr>**

3 Overseas Branch

THAI



U-WON TANK THAI Co., Ltd.

- **Tel** : 002-66-2-101-3461 • **E-Mail** : uwontankthainewgen@gmail.com
- **Internet Tel** : 070-4699-4425 • **Fax** : 002-66-2-101-3462
- **Factory address** : 41/1 Moo 1 Klong Neung, Klong Luang, Pathumthani, 12120. Thailand.

Employee
16

MYANMAR



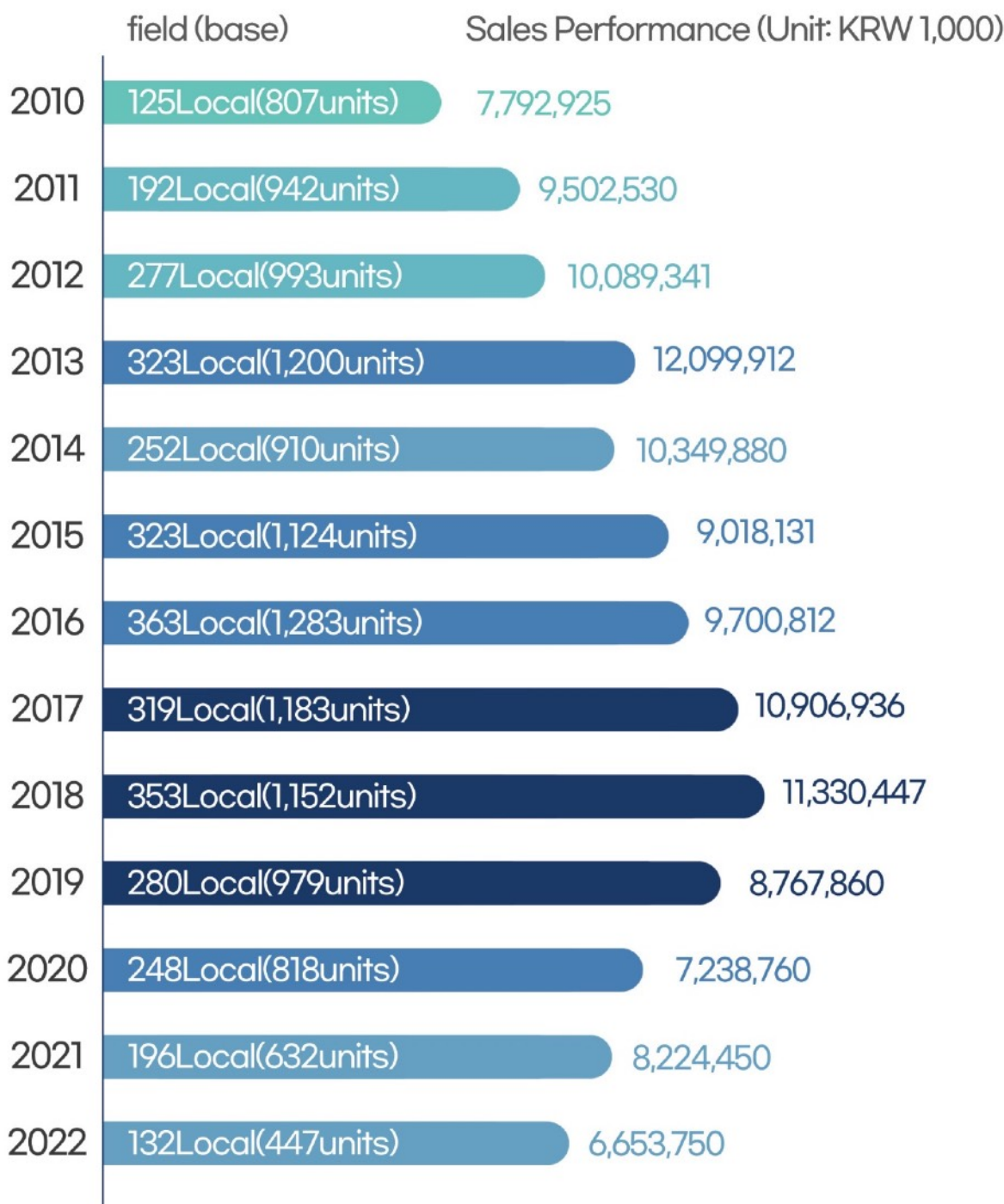
U-WON TANK MYANMAR Co., Ltd.

- **Tel** : 002-95-943097825 • **E-Mail** : boblwin99@gmail.com
- **Factory address** : No-37, Local Industrial Zone, Bago Township, Bago Region, Myanmar.
- **Business address** : Room No:5,5th floor,building 18, MICT Park , University's Hlaing Campus, Insein Road ,Hlaing Township,Yangon.

Employee
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3 Business Performance

1 Oil storage tank delivery performance



double wall tank + special tank

2 Clean gas station construction results



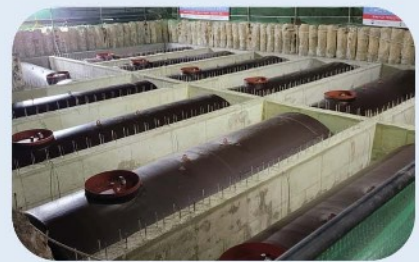
Construction performance in 2022 Daewon Gas Station and 19 other locations



Daewon Gas Station
50,000L-1EA/30,000L-1EA



Macheon Nonghyup Gas Station
50,000L-4EA



Seobusan IC Gas Station
50,000L-11EA



Seonamhae Nonghyup Gas Station
50,000L-4EA



Hoengseong Service Area
50,000L-2EA / 60,000L-2EA



Silver horse oil
40,000L-4EA

4 double wall tank 'No. 1' in domestic market share

What about double-walled tanks made of steel-reinforced plastic?

1 Oil leak detection function

Dual structure of internal STEEL/external FRP structure, Real-time detection of leaks or leaks through the middle detection layer

2 Cost reduction possible

Under the Dangerous Substances Safety Management Act, a tank room is not mandatory. Direct landfill installation possible

3 Reliable Quality

It is a type-recognized product from the Korea Fire Industry and Technology Institute



Advantages of Yuwon Co., Ltd.'s double wall tank



1 Automatic welding system and Adoption of automatic FRP spraying method



2 Use of wide iron plate
Product stability by minimizing the welding part of the double wall tank secure

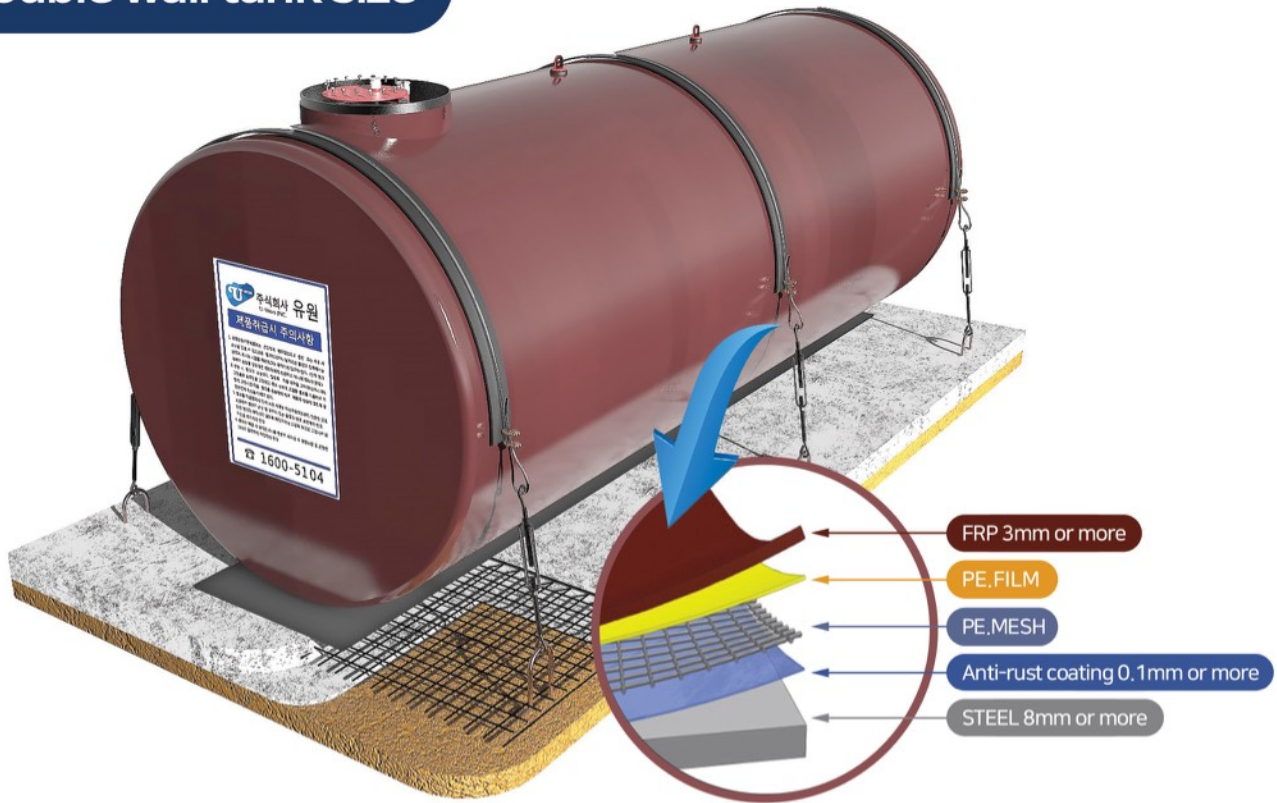


3 The largest number of double wall tank type certifications in Korea



4 Korea's largest production by reducing production time
Fast delivery compared to other companies configurable

double wall tank size



tank size

Division	Volume(L)	Diameter	Length	size(mm)	
				Main Body	Outer Wall
STEEL + FRP double wall Tank	120,000	3,650	12,310	9.7	3
	100,000	3,500	11,090	9.7	3
	100,000	3,020	14,800	10	3
	80,000	3,300	10,000	9.7	3
	75,000	3,000	11,600	10	3
	60,000	3,180	8,060	8	3
	60,000	3,300	7,440	8	3
	50,000	2,930	7,810	8	3
	50,000	3,020	7,440	8	3
	50,000	3,300	6,400	8	3
	50,000	3,260	6,320	8	3
	50,000	3,030	7,440	8	3
	50,000	2,600	10,000	8	3
	49,000	3,020	7,440	8	3
	49,000	3,260	6,320	8	3
	45,000	3,020	6,850	7	3
	40,000	2,720	7,440	8	3
	40,000	2,920	6,320	8	3
	40,000	3,020	6,000	8	3
	30,000	2,720	5,610	8	3
30,000	3,020	4,500	7	3	
30,000	3,020	4,440	8	3	
20,000	2,420	4,700	8	3	

Division	Volume(L)	Diameter	Length	size(mm)	
				Main Body	Outer Wall
STEEL + FRP double wall Tank	20,000	2,330	5,000	8	3
	20,000	2,920	3,200	8	3
	19,800	2,420	4,650	7	3
	18,000	2,420	4,200	7	3
	15,000	2,100	4,700	6	3
	10,000	2,060	3,200	8	3
	10,000	2,100	3,170	8	3
	10,000	1,800	4,300	8	3
	6,000	1,600	3,200	8	3
	6,000	1,800	2,540	8	3
	5,000	1,460	3,200	8	3
	5,000	1,460	3,170	6	3
3,000	1,460	1,900	8	3	
STEEL + STEEL double Tank	50,000	3,020	7,440	8	3.2
	40,000	2,720	7,440	7	3.2
	30,000	2,720	5,610	7	3.2
	20,000	2,420	4,700	7	3.2
STS + FRP double Tank	50,000	3,020	7,440	8	3
	30,000	2,720	6,000	7	3
	25,000	2,680	4,700	7	3
	15,100	2,530	3,170	7	3
	7,000	1,460	4,600	8	3


Double wall tank fittings

Ground manhole

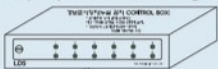
Ground manhole 1 stage	Ground manhole 2 stage	Round ground manhole
 <p>Φ780 x H400</p>	 <p>Φ935 x H990</p>	 <p>Φ935 x H400</p>

Product that passed the performance test of the Korea Fire Industry and Technology Institute


Oil leak detection device

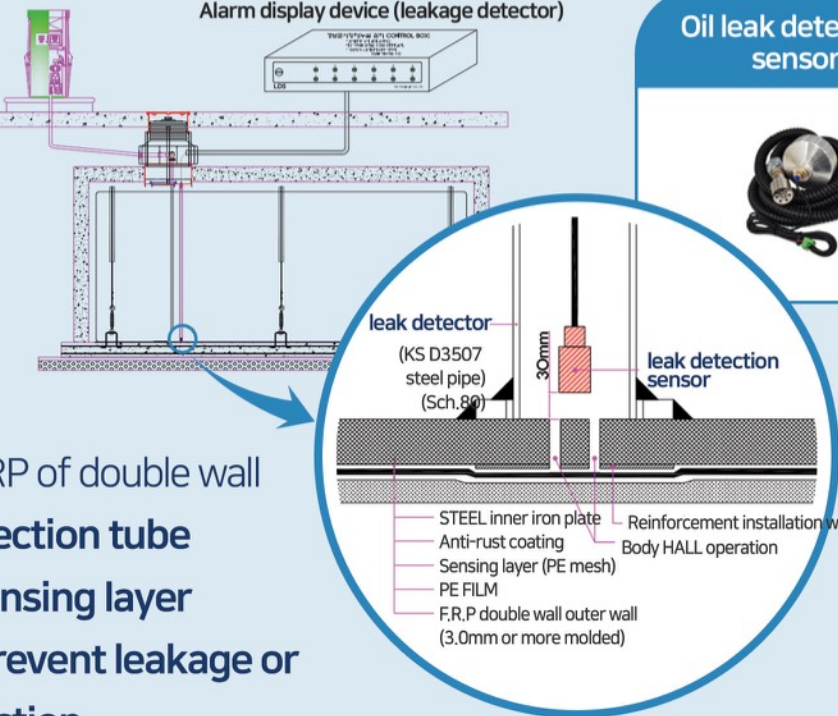


Alarm display device (leakage detector)



Oil leak detection sensor





leak detector (KS D3507 steel pipe) (Sch.80) 30mm leak detection sensor

STEEL inner iron plate
Anti-rust coating
Sensing layer (PE mesh)
PE FILM
F.R.P double wall outer wall (3.0mm or more molded)

Reinforcement installation with a groove on the outer surface
Body HALL operation

Between steel and FRP of double wall tank **To the leak detection tube connected to the sensing layer**
Install a sensor to prevent leakage or Real-time leak detection

Functionality and durability of oil storage tanks and piping

Name	oil storage tank
Type	Reinforced Plastic Double Wall Tank (Steel+F.R.P)
Product Features	<ul style="list-style-type: none"> ① 100% oil leakage prevention by complete penetration → MT Total inspection and performance inspection accredited by the Fire Industry and Technology Institute ② Mass production possible: introduction of automatic welding monitoring system → Capable of producing 1,400 units/year ③ Oil leak detection pipe Corrosion prevention → Use schedule 80 (use 3rd party schedule 40) ④ With FRP automatic injection facility, it is possible to produce 6 units per day
Functional	<ul style="list-style-type: none"> ① Manufactured with STEEL+FRP double wall to prevent leakage of steel tank double wall structure blocked by FRP. ② Oil leak detection function The sensing layer is formed by winding mesh and film between the steel tank and the FRP. Formation and early diagnosis by operation of detection sensor in case of oil leakage
Durability	<ul style="list-style-type: none"> ① Steel → SS400 (8T) rolled wide (3,650) steel plate ② FRP(Fiber-glass Reinforced Plastic) → Resin + glass fiber mixed in a ratio of 7:3, FRP formed by the automatic spraying method is light, hard and Particularly durable (lighter than iron and does not rust)
Warranty	30 year warranty for double wall tanks

* P.L (10 years warranty)

5 double piping _ EN 14125 certified product

1 Prevention of leakage accident

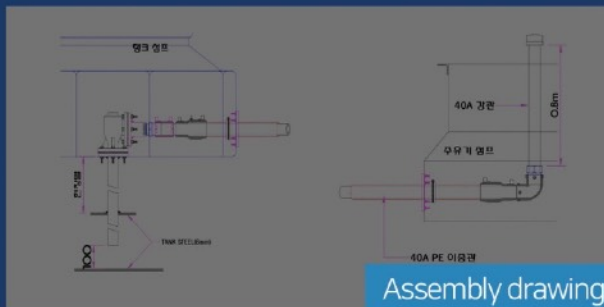
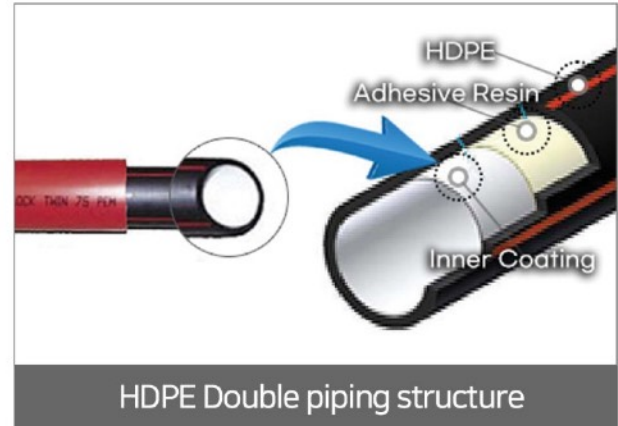
There is no separate connection between the lubricator sump and the tank sump. **Leakage possibility in the soil is low**, In case of oil leakage, it can be observed from the connection part (tank sump/lubricator sump)

2 Corrosion resistance

Unlike steel pipe, which has a high possibility of corrosion at the welded part, Due to the nature of PE, the material of the product, **it is resistant to corrosion**

3 Fusion method

Heat is applied to the heating wire inside the connection part to fuse the **PE pipe and the connection part**.



Safer HDPE double piping

Our PE double piping is an EN14125 (European standard) approved product from HallingPlast, Norway. The material of the double piping is made of **HDPE (high-density polyethylene)**, and when connecting the connecting parts Adopting the fusion method.

The PE double pipe has no connection except inside the lubricator sump and tank sump, so the use of PE double pipe is recommended by the Environment Agency.

The possibility of contamination in the soil is remarkably low enough to be designated as one of the requirements for selecting a soil-safe gas station. By checking the tank sump and lubricator sump, it has **the advantage of being able to check for leaks in the pipes**.

Double piping construction photo

PE double piping is an **EN14125 (European standard)** approved product of HallingPlast, Norway. The material is composed of **HDPE (high density polyethylene)**, and the welding method is used when connecting parts.

The stability and elasticity of the pipe are excellent, so there is little **possibility of damage to the pipe due to ground deformation or vibration**, and it is **resistant to corrosion**.



More safety with excellent stability!



6 specially manufactured tank

- Custom non-standard fabrication tanks
- Manufacture of custom non-standard tanks such as military units/chemical tanks/medicine tanks



Outdoor Vertical Steel Tank



Outdoor Horizontal Steel Tank



Underground Storage Steel Tank



STS Tank



UL 142 Certified horizontal tank



UL 142 Certified square tank



UL 58, UL 1746 Certified tank



UL 58, UL 1746 Certified tank

7 Production and installation plan (measures to prevent leakage of oil)

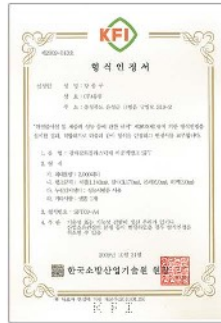
	installation plan	Oil leak prevention measures
double wall tank	<ol style="list-style-type: none"> 1 MT (all inspection) and PAUT inspection for products that have passed Fire Industry and Technology Institute inspection / pass product shipment 2 Characteristics: Welding area MT and PAUT conduct inspection 3 Oil leakage is completely prevented by installing a tank exclusive room and a double wall tank (oil detection sensor) 4 Downsizing of ground manhole cover size (diameter 950 → 780) in the gas station The load pressure when entering a large heavy vehicle Endurance and easy to install 	<ol style="list-style-type: none"> 1 Fire Industry and Technology Institute Inspection Criteria (Steel Plate & F.R.P thickness, MT (magnetic inspection) inspection, internal Secrecy test, Sensing layer confidentiality test) 2 Government-approved inspection company Consigned piping confidentiality Inspection → apply pneumatic pressure to the entire tank and piping Hang tightness inspection of oil pipelines (double piping) Confidentiality inspection between interior/exterior
double pipe	<ol style="list-style-type: none"> 1 Reduce injection time by adjusting the distance of the injection tube to the shortest distance 2 Thorough construction that meets the Ministry of Environment's clean gas station construction standards 	<ol style="list-style-type: none"> 1 Gasoline and diesel/kerosene injection ports are installed separately to prevent mixed oil 2 Alarm function (TLG) when inventory changes outside business hours (0.76L/HR)

8 Double-walled tank made of steel-reinforced plastic



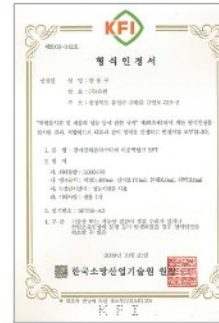
3,000 l

SIZE
Ø1,140 x L3,170x6T
manhole : 1MH



5,000 l

SIZE
Ø1,460 x L3,170x6T
manhole : 1MH



6,000 l

SIZE
Ø1,600 x L3,200x8T
manhole : 1MH



· Product : Double wall tank 40,000L - 4 units / Installation site : Daejeo-dong, Gangseo-gu, Busan <Eunma Petroleum>



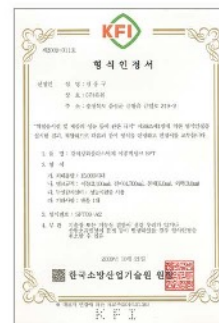
10,000 l

SIZE
Ø2,100 x L3,170x8T
manhole : 2MH



15,000 l

SIZE
Ø2,100 x L4,700x6T
manhole : 1MH



18,000 l

SIZE
Ø2,420 x L4,200x7T
manhole : 1MH



· Product: Double wall tank 50,000L - 4 units / Installation site: Anheung-myeon, Hoengseong-gun, Gangwon-do
<Hoengseong service area - Chuncheon direction>

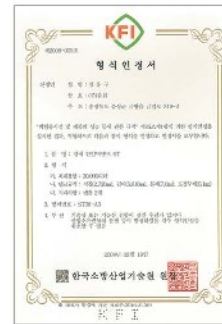
9 Steel single wall tank



10,000 ℓ
 SIZE
 Ø2,100 x L3,170x6T
 manhole : 1MH



20,000 ℓ
 SIZE
 Ø2,420 x L4,700x7T
 manhole : 2MH



30,000 ℓ
 SIZE
 Ø2,720 x L5,610x7T
 manhole : 2MH



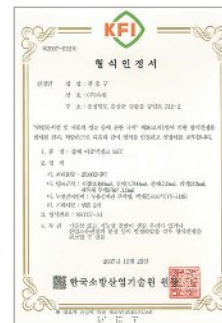
· Product: Double wall tank 50,000L - 14 units / Installation site: Gamgok-myeon, Eumseong-gun, Chungcheongbuk-do <Sangpyeong gas station>



40,000 ℓ
 SIZE
 Ø2,720 x L7,440x7T
 manhole : 2MH



50,000 ℓ
 SIZE
 Ø3,020 x L7,440x8T
 manhole : 2MH



20,000 ℓ
 SIZE
 Ø2,420 x L4,700x7T
 manhole : 2MH



· Product: Double wall tank 50,000L - 6 units / Installation site: Storage site in Bitgaram-dong, Naju-si, Jeollanam-do

10 Dangerous goods construction product introduction

Gas station accessories



4-stage oil-water separation tank

SIZE : W558 x L1,608 x H781
Body: Steel (4T). Lid: Steel (15T)



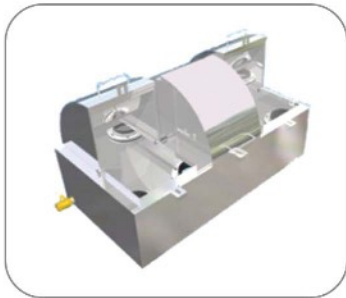
open trench

SIZE : W70 x H75
2.438m/1BON



Island & Guard

W1,000 x L
W1,000 x L700



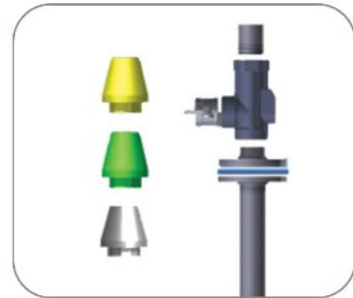
inlet box

SIZE : W500 x H500
You can order up to 10 pitches



PV VENT CAP

Korea Environment Corporation
certified product



vent pipe cap & vapor recovery device

Korea Environment Corporation
certified product

PE piping materials (PE piping)



40A PE/50A PE double piping

50M units can be ordered



40A PE/50A PE single pipe

50M units can be ordered



100A PE single pipe

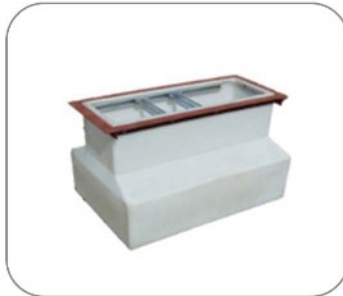
11.5m units can be ordered

PE piping materials (sumps)



tank sump

Sump flange, bolts/nuts included



Lubricator sump large

Angle, with stabilizer



Lubricator sump small

Angle, with stabilizer

PE piping materials (connecting parts)



PE connection socket

40A/50A/100A



PE 90°elbow

40A/50A/100A



PE 45°elbow

40A/50A/100A



PE connection tee

40A/50A



PE flange adapter



PE redyusha

40A/50A/100A



PE test reducer

40A/50A



PE no test reducer

40A/50A



PE nipple adapter

40A/50A

11 Status of holding quality-related certificates

Company Name	U-WON
Management Related	management innovation
Quality Related	ISO 9001, ISO 14001
Overseas Certification	UL-142, EN 14125
firefighting industry technology	70 types including 50,000L (Has the largest number of certifications in Korea)



📍 way to come



Headquarters and Factory

319-2, Geumil-ro, Geumwang-eup, Eumseong-gun, Chungcheongbuk-do
(325 Ssangbong-ri)

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