

# POLYCON

*A part of Al Nasser Industrial Entp. L.L.C.*

————— **SINCE 1993** —————

**POLYCON IS FOR EVERY  
HOME, ROAD & WEATHER CONDITION**



[polycongulf.com](http://polycongulf.com)

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**POLYCON**





## About Us

Polycon is a market leader with a strong commitment to quality and service. We offer a wide range of Water Tanks, Road Barriers, Portable Restrooms, Roto Lining on interior surface of carbon steel pipes and tanks, custom molding and more.



At the core of our products is the strength of our manufacturing process; using medium density polyethylene - an environmentally compatible hydrocarbon. Polyethylene is a high-grade thermoplastic that has exceptional resistance to both physical and chemical attack.



Polycon Gulf Ltd, Abu Dhabi is part of Al Nasser Industrial Enterprises LLC, a prominent Industrial Group with manufacturing activities spanning diverse verticals like Polymers, Steel, Fabrication and Industrial intermediates.

## MISSION

To manufacture safe, strong and durable roto-molded products to suit our customers' needs. To innovate in every way possible, ceaselessly exploring new applications, markets and pushing boundaries.

## VISION

To maintain our pole position as the leader amongst the roto-molding industries in the GCC. through ceaseless innovation, best practices and stringent quality standards.

# Market **Leader**

Since 1993



## Years of **Reliable** Service

**Polycon** products are designed using the latest and finest analytical methods, allowing for suitable changes to be made to the thickness and variation of the products so that stresses and deflections can be minimized. This makes them resistant to heavy hydrostatic loads with a built-in factor of safety, thereby ensuring many years of services.



## Strict **Quality** Control

At **Polycon Gulf Ltd.**, quality standards are built into every stage of the manufacturing process, ensuring that only products of the highest grade are produced. Strict quality control that meets the requirements of ISO 9001:2015 are rigorously adhered to.



# Quality Certificates

A Positive nod from the experts



## TUV ISO 9001 - 2015 CERTIFICATE



## ADCE CERTIFICATE



## OSHAD CERTIFICATE



## CERTIFICATE OF CONFORMITY (ECAS)-01





# Delivering Excellence

Trust is our reward

OVERALL MIGRATION ANALYSIS OF FOOD CONTACT MATERIAL ✔

FOOD CONTACT SUITABILITY TEST CERTIFICATE ✔

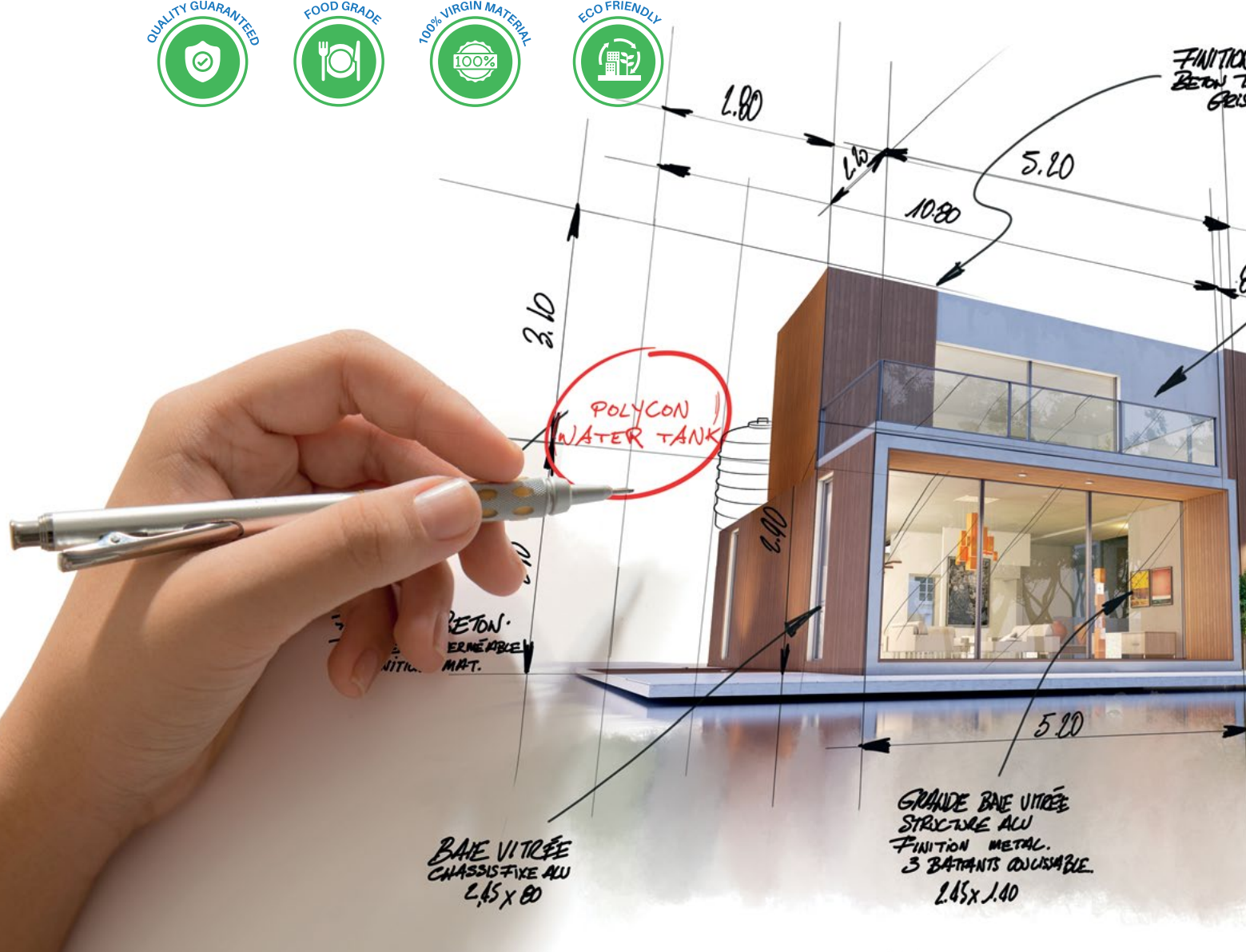




# A generation ahead

Three decades of building trust distilled into one of the finest water tanks available. Give us water and we'll store it. Hygiene and safety are guaranteed.

Polycon water tanks ... we're a generation ahead.



# POLYCON

A part of Al Nasser Industrial Entp. LLC.





# POLYCON Water Tanks

Polycon Water Tanks are molded from UV stabilized and FDA approved food grade polyethylene material which guards against bacteria, fungus and algae. The Tanks are approved by UAE Municipalities and have high environmental stress resistance, can withstand high-pressure impacts and poor temperature conditions while protecting the water from ultra-violet radiation, rust and leakage.

# Unique Features



## Clean and hygienic

Specially designed with a smooth inner layer that resists growth of algae and bacteria.



## Leakproof

The one-piece, molded body has no joints and is absolutely maintenance free.



## Rustproof

Polyethylene granules are used in the construction of the tanks to ensure that the tank is strong, durable and corrosion resistant.

## Secure

A special, threaded cover ensures that the tank and its contents cannot be tampered with.

## Strong and stress-resistant

Special membrane ribs that counter 'hoop stress' helps to reinforce the tanks.

## Overhead and underground application

Adaptable to a variety of applications; in households, water supply schemes, agricultural farms, chemical plants, defence, hospitals, offices, schools and colleges.



Vertical Tank  
50 - 10,000 USG



Horizontal Tank  
35 - 3,000 USG



Insulated Tank  
400 - 1,000 USG



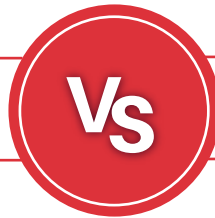
Underground Tank  
1,000 USG



SlimTank

# Why you should choose Polycon Roto Molded Tanks over Other Blow Molded Tanks?

**Roto Molded Tanks**



**Blow Molded Tanks**

Durable & Long Lasting	<b>Tank Life</b>	Very Limited
Excellent for over 50 years	<b>Historical Performance</b>	Many complaints after 3-4 years
High	<b>Tank Weight</b>	Low
<ul style="list-style-type: none"> <li>• LLDPE</li> <li>• Food Grade</li> <li>• No impact of sunlight</li> </ul>	<b>Material</b>	<ul style="list-style-type: none"> <li>• HDPE</li> <li>• Not Food Grade</li> <li>• Deteriorates under sunlight</li> </ul>
Long & Robust	<b>Manufacturing Process</b>	<ul style="list-style-type: none"> <li>• Extremely short</li> <li>• Very sensitive</li> </ul>
Almost Low	<b>Residual Stress</b>	Dangerously high
Practically Nil	<b>Breakage chances/complaint ratio from past experience</b>	Very high
Easy & long lasting	<b>Repairing</b>	Difficult & Short life thereafter
Fully advised	<b>International Expert Advice</b>	Not advised
<ul style="list-style-type: none"> <li>• Heavy weight</li> <li>• Horizontal joint</li> </ul>	<b>How to Identify</b>	<ul style="list-style-type: none"> <li>• Light weight</li> <li>• Vertical joint</li> </ul>

# Why you should choose Tanks of **Virgin Material** over Tanks from **Recycled Material**?

**Virgin Material Tanks**

**Vs**

**Recycled Material Tanks**

LLDPE Virgin

**Material**

Recycled  
Contaminated scrap  
material

Food grade ●  
Good for health ●  
Free of toxicity ●

**Health**

● Probability of toxicity  
● Related diseases like cancer

Intact as filled

**Water Quality**

Pollution  
Water Contamination

Very High ●  
Long lasting ●

**Tank Life**

● Average  
● Short

Fully advised

**International  
Advice**

Not advised

Smooth & shining ●  
finishing inside ●  
Smells good ●

**How to Identify**

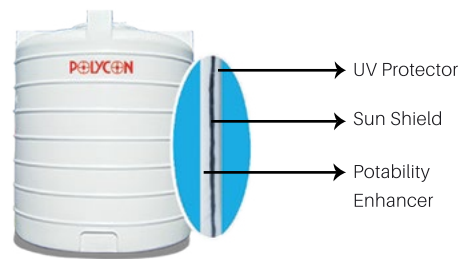
● Rough finishing inside  
● Bad smell



# Comparison Chart

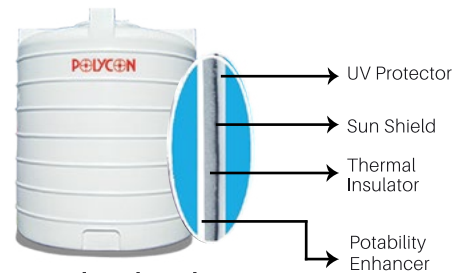


ITEM	POLYCON	CONCRETE	S STEEL	FIBERGLASS
<b>Durability</b>	Excellent	Fair	Good	Poor
<b>Water Quality</b>	Excellent	Poor	Good	Fair
<b>Water Tightness</b>	Excellent	Fair	Good	Fair
<b>Transportation &amp; Assembly</b>	Excellent	Poor	Fair	Poor
<b>Corrosion</b>	Excellent	Fair	Good	Fair
<b>Maintenance</b>	Excellent	Poor	Fair	Poor
<b>Flammability</b>	Fair	Good	Good	Excellent
<b>Cleaning</b>	Excellent	Poor	Excellent	Good



**Standard Tank  
3 Layers**

PHYSICAL PROPERTIES	
<b>Melt Index</b>	5.0 g / 10 min
<b>Vicat Softening</b>	115.0° Celsius
<b>Density</b>	0.935 g/cubic cms
<b>Bulk Density</b>	0.420 g/cubic cms
<b>Tensile Strength At Yield</b>	2600.0 Psi
<b>Tensile Elongation Yield At Break</b>	700.00%
<b>Flexural Strength</b>	2800.00 Psi
<b>Flexural Modulus</b>	105000 Psi
<b>Environmental Stress-Crack Resistance</b>	F 300-50 Hr
<b>Toxicity</b>	Free from Toxic
<b>Water Absorption</b>	0.20%

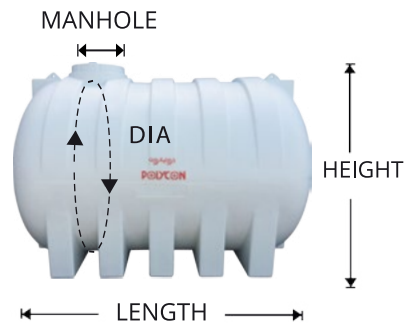


**Insulated Tank  
4 Layers**



# Horizontal Tanks

Polycon water tanks come in a wide range of horizontal and vertical sizes that fit perfectly into any space you have.

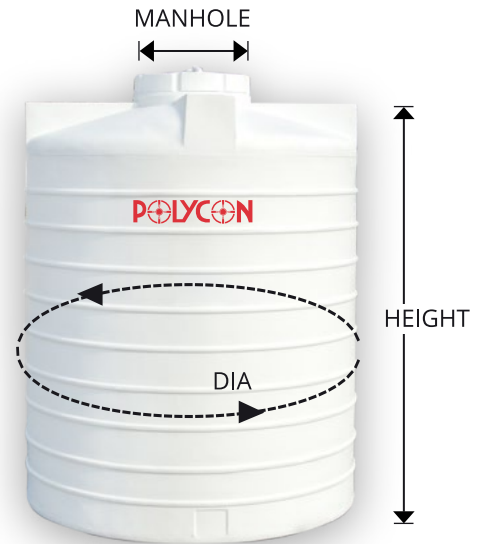


## Dimensions & Range

STANDARD TANK 3 Layers		INSULATED TANK 4 Layers		US GALLON	IMP GALLON	LITRE	LENGTH (mm)	DIA (mm)	HEIGHT (mm)	MANHOLE SIZE (mm)
CODE NO.	AVERAGE THICKNESS	CODE NO.	AVERAGE THICKNESS							
				1USG = 3.785 Litre 1IMP = 4.560 Litre						
PGHMB 3.5	4	PGHMBI 3.5	4	35	29	132	750	510	520	275
PGHMB 10	4	PGHMBI 10	6	100	83	379	1300	720	830	370
PGHMB 20	5.5	PGHMBI 20	7	200	166	757	1475	890	990	370
PGHMB 25	5.5	PGHMBI 25	7.5	250	208	946	1610	945	1060	370
PGHMB 30	6	PGHMBI 30	8	300	250	1136	1660	960	1065	370
PGHMB 40	6.5	PGHMBI 40	9.5	400	334	1514	1640	1120	1230	475
PGHMB 50	7.5	PGHMBI 50	10.5	500	416	1893	1970	1150	1230	475
PGHMB 60	8	PGHMBI 60	11	600	498	2271	2020	1250	1350	475
PGHMB 80	9	PGHMBI 80	12	800	666	3028	2100	1380	1500	475
PGHMB 100	9.5	PGHMBI 100	13	1000	833	3785	2400	1500	1610	475
PGHMB 125	10	PGHMBI 125	13	1250	1040	4731	2250	1850	1950	475
PGHMB 140	10.5	PGHMBI 140	14	1400	1166	5299	3140	1560	1780	475
PGHMB 150	10.5	PGHMBI 150	14	1500	1250	5678	2680	1860	2010	475
PGHMB 200	12	PGHMBI 200	14.5	2000	1666	7570	3150	1950	2085	475
PGHMB 250	12	PGHMBI 250	14.5	2500	2083	9463	3400	2150	2135	475
PGHMB 300	12.5	PGHMBI 300	15	3000	2500	11355	3550	2170	2300	475

Tolerance: ±3% of the nominal dimensions

# Vertical Tanks



## Dimensions & Range

STANDARD TANK 3 Layers		INSULATED TANK 4 Layers		US GALLON	IMP GALLON	LITRE	DIA (mm)	HEIGHT (mm)	MANHOLE SIZE (mm)
CODE NO.	AVERAGE THICKNESS	CODE NO.	AVERAGE THICKNESS	1USG = 3.785 Litre 1IMP = 4.560 Litre					
PGVMB 5	4	PGVMBI 5	4	50	41	189	640	750	370
PGVMB 10	4	PGVMBI 10	5.5	100	83	379	880	965	370
PGVMB 20	4	PGVMBI 20	6	200	166	757	1020	1240	370
PGVMB 30	4.5	PGVMBI 30	6.5	300	250	1136	1075	1620	370
PGVMB 40	5.5	PGVMBI 40	7	400	334	1514	1320	1390	370
PGVMB 50	6	PGVMBI 50	8	500	416	1893	1350	1590	370
PGVMB 60	6	PGVMBI 60	8.5	600	499	2271	1380	1890	370
PGVMB 80	7.5	PGVMBI 80	9	800	666	3028	1530	2050	370
PGVMB 80 SP	7.5	PGVMBI 80 SP	9	800	666	3028	2150	1200	370
PGVMB 90	8	PGVMBI 90	9.5	900	750	3407	1550	1900	370
PGVMB 100	8	PGVMBI 100	10	1000	833	3785	1860	1680	475
PGVMB 120	8	PGVMBI 120	10.5	1200	1000	4542	1680	2110	475
PGVMB 125	8	PGVMBI 125	10.5	1250	1040	4731	1860	2000	475
PGVMB 125 SP	8	PGVMBI 125 SP	10.5	1250	1040	4731	2150	1550	475
PGVMB 150	8.5	PGVMBI 150	11	1500	1250	5678	2020	2135	475
PGVMB 200	9.5	PGVMBI 200	12	2000	1667	7570	2080	2430	475
PGVMB 250	9.5	PGVMBI 250	12.5	2500	2083	9463	2820	1835	475
PGVMB 300	10	PGVMBI 300	13	3000	2500	11355	2340	2870	475
PGVMB 400	10	PGVMBI 400	13.5	4000	3333	15140	2820	2660	475
PGVMB 500	12.5	PGVMBI 500	14	5000	4166	18925	2820	3375	475
PGVMB 600	13.5	PGVMBI 600	15.5	6000	4996	22710	2990	3560	475
PGVMB 750	16	PGVMBI 750	19	7500	6250	28388	3025	4400	475
PGVMB 1000	17.5	PGVMBI 1000	20	10000	8333	37850	3290	4850	475

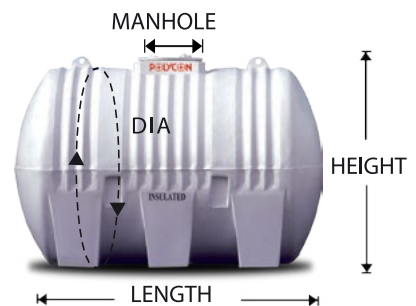
Tolerance: ±3% of the nominal dimensions





# Horizontal Insulated Tanks Special Design

The new generation polyethylene water storage tanks from **Polycon** have a unique, 4-layer insulation. Insulated Models are available from 400 to 1,000 US Gallons capacity.



## Dimensions & Range

Note: 1 USG = 3.785 Litre 1 IMP = 4,560 Litre

CODE NO.	US GALLON	IMP GALLON	LITRE	LENGTH (mm)	DIA (mm)	HEIGHT (mm)	MANHOLE SIZE (mm)	AVERAGE THICKNESS (mm)
PGHMBI 40	400	334	1514	1600	1180	1300	395	10
PGHMBI 50	500	416	1893	1945	1200	1300	395	11
PGHMBI 60	600	498	2271	1985	1300	1425	395	12
PGHMBI 80	800	664	3028	2285	1430	1570	395	14
PGHMBI 100	1000	830	3785	2280	1650	1750	395	15

Tolerance: ±3% of the nominal dimensions

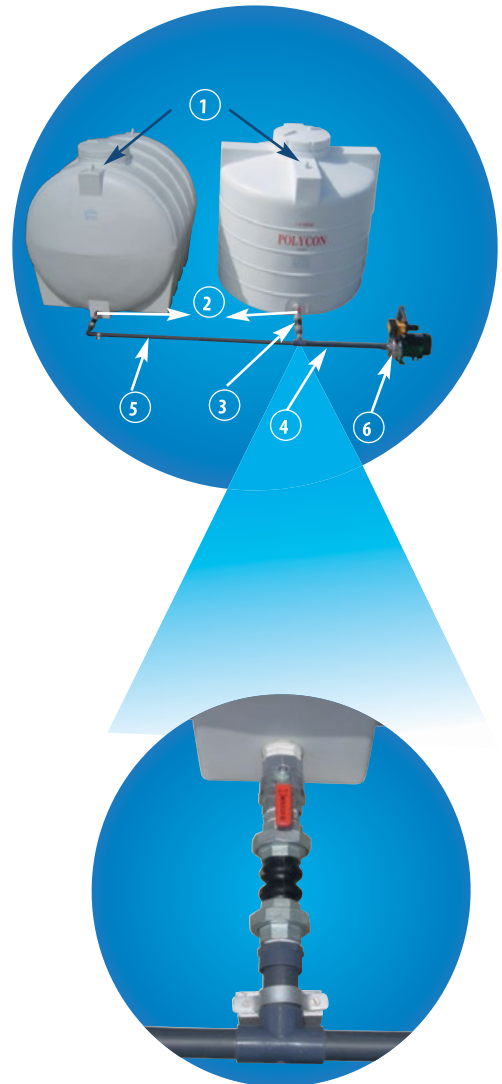
# Connection/Interconnection for Vertical & Horizontal Tanks

## For Vertical & Horizontal tanks

No.	Description	No.	Description
1	Air Vent	4	Pipe
2	Ball Valve	5	Manifold Pipe
3	Flexible Pipe Fittings	6	Pump

### Instructions for installation:

1. You will receive the **Polycon** water tank with loose PP fittings and holes drilled on the tank as per your requirement.
2. Place the tank on a smooth, properly leveled platform
3. First remove the check nut and one rubber washer from the fitting, apply the thread sealant and the teflon tape on threaded parts and insert the fitting into the hole by turning it clockwise. After inserting it properly, fix the removed rubber gasket from inside the tank and tighten the check nut.
4. Hold the fittings with pipe wrench or suitable spanner and fix a ball valve and the flexible pipe and connect to the pipeline.
5. Provide properly leveled support under outlet pipe or manifold pipe and fix the clamp on it to avoid stress on the tank.
6. Fix the Air vent on top of the tank especially the bigger sizes, to release the pressure from tank. Flexible pipe connection allows for tank expansion/contraction and reduces pump/piping vibration stress on the tank thereby increasing the life of the tank. Flexible pipe connections are a must for tanks bigger than 1,250 USG in Horizontal Tanks or 2,000 USG in Vertical Tanks to preserve warranty.
7. **Polycon** will not be responsible for any damage/breakage to the tank due to improper connection of fittings or wrong interconnection of the tank.





# POLYCON Underground Water Storage Tank



## Unique Features

- Rotationally molded from FDA approved UV Stabilized Polyethylene
- Polycon underground storage tanks or Septic tanks are designed to withstand earth pressures that would normally crack traditional tanks
- Deeply formed corrugation and longitudinal ribs lend extra strength and stability
- This tank does not rust, rot or corrode even without protective coating  
Seamless, one piece construction
- Large 18" entry/view port with a man-way riser and a threaded cover are included
- Light weight and compact, No heavy lifting equipment is required for installation
- Polycon underground tanks are manufactured as single-piece. If simple installation guidelines are followed and tanks are inspected, you can expect long, trouble-free service



Underground  
Tank

## Dimensions & Range

CODE NO.	CAPACITY (USG)	LITRE	LENGTH (mm)	OUTER DIA (mm)	HEIGHT UP TO NECK (mm)	MANHOLE SIZE (mm)
PGUG 100	1000	3785	2850	1550	2110	475
PGUG 50	500	1892	1970	1360	1920	475



## BUILT FOR NARROW SPACES

# POLYCON Slim Water Tanks

Elegant & easy to  
install anywhere

### Easy storage. Efficient drainage

Style meets substance in our ergonomically crafted Slim Water Tanks. Robust and long-lasting, they're designed to fit into small or confined spaces and are ideal for commercial, household, horticultural, irrigation and industrial sectors.

### Place them wherever you want... Hang them on walls, Stack them or..

Hang them along the sides of building walls, place them on balconies or you can even stack them to create stand-alone garden walls. The square and rectangular shape allows for setting it up where round water tanks cannot be placed. Wall mounting is easily done by embedding sturdy dowels during installation. No solid base needed to stand on!

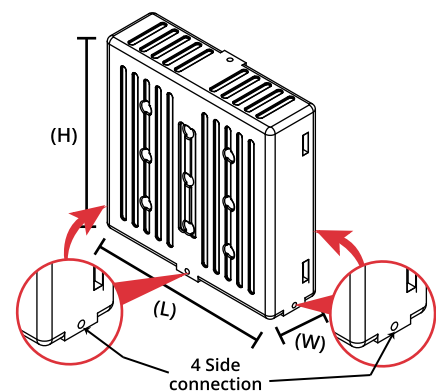
### Approved food grade - UV protected

Our Slim Water Tanks are molded from UV stabilized and FDA approved food grade polyethylene. They have strong environmental stress resistance and can withstand high-pressure impact and poor temperature conditions, while protecting the water from UV radiation, rust, and leakage.

**So, make the most of your available space, elegantly.**



WALL HANGING



## Dimensions & Range

DESCRIPTION	Size in mm
Length (L)	970
Width (W)	280
Height (H)	970
Capacity	65 USG / 250 LITRES

Note: 1 USG = 3.785 Litre

Available colours:

# UPSIDE DOWN TO YOUR ADVANTAGE



## POLYCON Conical Tanks



### Easy Storage. Efficient drainage:

Conical tanks have dramatically changed the course of storing liquids, especially when it comes to draining and cleaning sludge, precipitates and sediments. The uniquely designed upside-down usability allows heavy fluids to easily flow through and efficiently prevents pollutant build-up.

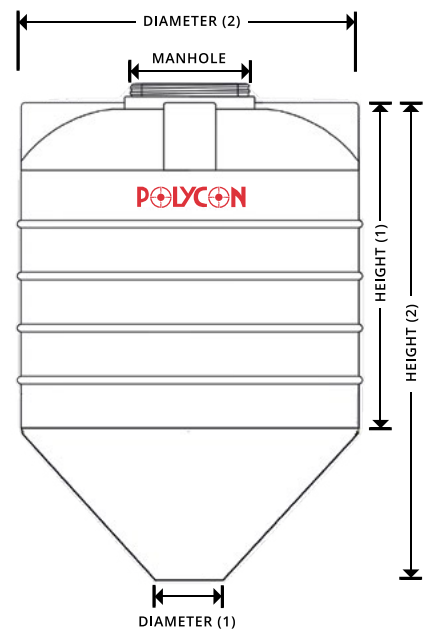
### Innovatively designed full-drain system for tanks:

Our tanks are a notch above flat-based tanks due to the innovatively designed base slopes, angled toward the center that create a vortex providing the largest full-drain system conceivable in a vertical tank... a boon for industrial, commercial and residential applications.

### Approved food grade material and protection from UV radiation:

Polycon Conical Tanks are molded from UV stabilized and FDA approved food grade polyethylene. They have strong environmental stress resistance and can withstand high-pressure impact and poor temperature conditions, while protecting the water from UV radiation, rust and leakage.

**Polycon conical tanks are the best option for easy storage and efficient drainage.**



### Dimensions & Range

DESCRIPTION	SMALL	LARGE
Diameter (1)	150	150
Diameter (2)	1,330	1,530
Manhole	370	370
Height (1)	1,250	1,870
Height (2)	1,940	2,540
Capacity	450 USG / 1,700 LITRES	900 USG / 3,400 LITRES

Note: 1 USG = 3.785 Litre

All sizes are in mm



# POLYCON Track Barrier System



**Good looking and versatile:** Our unique track barrier system is better looking than the wooden fencing alternatives, and provides a safe, professional barrier.

**Safe, durable and cost effective:** Our track barrier system remains interlocked without any gaps, protrusions or obstacles, providing a solid all in one track wall for maximum safety.

## Features:

- Designed for enhanced security and safety of drivers, spectators and staff
- Quick and easy positioning system
- Linked system make moving the track course layout quick and easy compared to other systems
- Manufactured from UV Stabilized virgin medium density polyethylene
- Excellent impact strength
- Heavy duty design and material thickness
- Affordable professional locking system
- The barriers are designed to allow 30° movement
- Barriers make a fantastic medium for advertising to generate extra revenue
- Can be produced in any colour (subject to quantity)
- In-house facility to develop customized sizes



## Dimensions & Range

CODE NO.	LENGTH (mm)	WIDTH (mm)	HEIGHT (mm)
TB 1000	1000	400	600

Tolerance: ±3% of the nominal dimensions

Available colours: ■ ■ ■

We also provide custom colours options

# POLYCON Road Barriers

## Power with a purpose

When it comes to safety on the road, **Polycon** Road Barriers are the preferred choice in the region. Safe, lightweight and made with collision absorbing material they serve as the ideal solution while building roads, as safety blocks or enclosures or even for restricting or maneuvering the movement of traffic.

Barriers  
0.8 m  
Height



PGRB80-BM



## Top Reasons To Choose

- Lightweight yet rugged
- Force-absorbing material
- Fade resistant
- UV-stabilized, high-density polyethylene
- Easy-to-handle forklift holes
- No hardware or heavy equipment required
- One-person operability
- 90-degree turning radius for enclosing the smallest spaces
- Maintenance free



## Dimensions & Range

CODE NO.	LENGTH (mm)	HEIGHT (mm)	BASE WIDTH (mm)	TOP WIDTH (mm)
PGRB80 - BM	2180	800	400	180
PGRB100 - P	1000	1000	400	170
PGRB80	2000	800	645	170
PGRB100	2152	1000	530	145
PGR80SL	1875	800	430	170

Tolerance: ±3% of the nominal dimensions

Available colours: ■ ■ ■

We also provide custom colours options



Barriers  
1.0 m  
Height

PGRB100-P



0.8 m  
Height

PGRB80



Barriers  
1.0 m  
Height

PGRB100

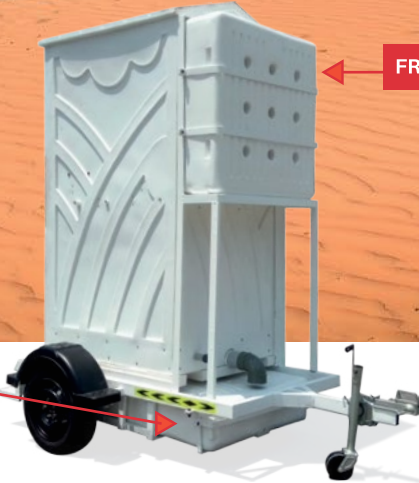


Barriers  
0.8 m  
Height

PGR80SL



**DRAINAGE**



**FRESH WATER SLIM TANK**

# POLYCON Portable Restrooms (Toilets)

## Features and Benefits:

Polycon Portable Restrooms (toilets) are the most rugged, long-lasting portable restrooms in the world. Cleverly designed with superior sanitation technology and space optimization, they are made with UV stabilized polyethylene providing stability while preventing the foundation from deteriorating or rotting. These portable restrooms are ideal for all kinds of public events, parks, concerts & more. **What's more, get optional accessories like our ergonomically designed slim tanks for fresh water and sewage collection.**

## Top Reasons To Choose:

- Withstands harsh weather conditions
- Smooth & seamless surface
- Tough & durable
- Non-skid, anti-slip floor with a self-draining system
- Lightweight & easy to transport
- Double-walled door for extra strength
- Low maintenance, dent-free and anti-fading



## Dimensions & Range

PRODUCT NAME	WIDTH (mm)	HEIGHT AT CENTRE (mm)	DEPTH (mm)
Portable Restroom	1025	2300	1225

Tolerance: ±3% of the nominal dimensions





**MULTI-FUNCTIONAL  
EASILY STACKABLE  
HIGHLY SUSTAINABLE  
DURABLE AND MORE**

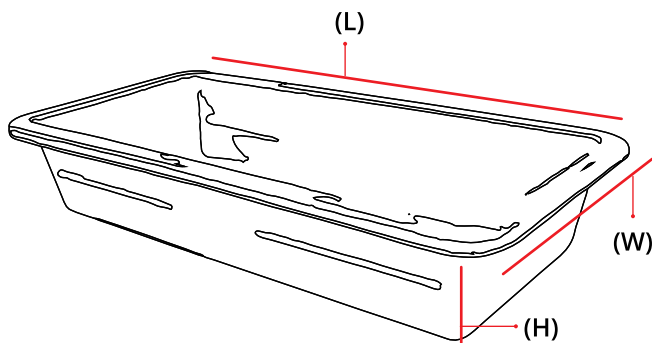
## POLYCON Multi-Purpose Trays

Made from UV-stabilized, FDA approved food grade & environment friendly PE resin material, these trays are ideal for the storage of grains, liquids, fertilizers and provide excellent warehouse storage solutions. They are most suitable for residential, industrial and commercial solutions, especially for use in confined & narrow spaces of balconies, hotels, offices, warehouses etc.

**Wide ranging applications:** Excellent for greenhouses, vertical farming, aquaponics and companies involved in animal husbandry (cattle, sheep, horses, camels and other livestock). The customized stackable design makes them ideal for warehouses that need efficient space saving storage solutions.



AVAILABLE IN A CHOICE OF COLORS



**Can withstand extreme  
UAE weather temperature**

### Dimensions & Range

DESCRIPTION	LARGE	MEDIUM	SMALL
Length (L)	1,830	1,220	830
Height (H)	340	340	340
Width (W)	980	790	810
Capacity (in Litres)	465	310	210

All sizes are in mm

# POLYCON Spill Containment Pallets



Polycon drum spill containment pallets are designed for the safe and compliant storage of 205 Ltr drums. The pallets are 100% rotationally molded polyethylene with a broadband chemical compatibility.

Every pallet has a strong removable plastic grid for easy cleaning. Forklift pockets facilitate relocation of loaded pallets (without drums).



2 Drum  
Spill Pallet



4 Drum  
Spill Pallet

## Dimensions & Range

CODE NO.	LENGTH (mm)	WIDTH (mm)	HEIGHT (mm)	Sump Capacity (litre)
2 Drum	1340	725	420	150
4 Drum	1340	1340	280	170

Tolerance: ±3% of the nominal dimensions.



# POLYCON Dual face Pallets

- Made from FDA approved UV Stabilized Polyethylene material
- Smooth exterior, easy to clean and wash
- Excellent resistance to water and chemicals
- 100% rot-free, no dents, maintenance-free
- 100% hygienic, safe and sterilisable
- Stackable design with 4-way entry

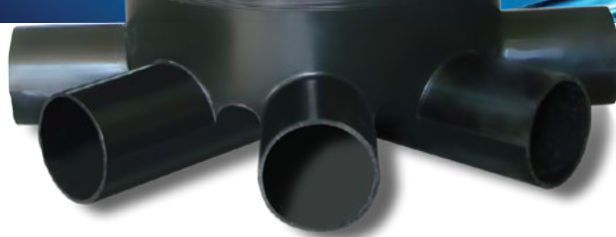
## Dimensions & Range

CODE NO.	LENGTH (mm)	WIDTH (mm)	HEIGHT (mm)
PG BM Pallet	1310	1105	135

Tolerance: ±3% of the nominal dimensions

# POLYCON Inspection Chambers

Polycon Inspection Chambers offer an alternative to traditional manholes. Polycon's innovative design brings unrivalled flexibility to the underground drainage system.



- Made from Black HDPE/MDPE having excellent mechanical strength and rigidity
- Excellent Chemical resistance
- Significantly lighter than traditional concrete inspection chambers, thereby eliminating the need for heavy and expensive material
- Can be installed and backfilled within one day (compared to up to 2-days for concrete chambers) there by reducing installation cost
- Utilize simple ring-seal joints that create fast, water tight connections
- Precision engineered and pre-benched chamber base offers smooth, uninterrupted flow characteristics
- All inlet and outlet sockets allow +10° movement in all directions to accommodate alignment adjustments during pipe lying

## Dimensions & Range

CODE NO.	DIMENSIONS		INLET SIZE	OUTLET SIZE	TYPE OF PIPE ENDS
	DIA	HEIGHT			
HCB 600	600	350	160	160/200	Spigot End
HCB 800	800	360	160	160/200	Spigot End
HCC 600	600	255	160	160/200	Socket End
HCC 800	800	345	160	160/200	Socket End

Tolerance: ±3% of the nominal dimensions given in the table



# POLYCON Illuminated Planters

Bring elegance to your décor with Illuminated Planters/Flower Pots, available for the first time in U.A.E. These colourful, glowing flower pots are a stylish way to brighten up your garden, home or office. Illuminated planters in vibrant colours will lighten your apartment and add a contemporary touch to your living space.

In commercial spaces, hotels, restaurants or malls they can be used to create lit walkways or to enhance the ambiance. Our planters look great indoors or outdoors. Made from high grade polypropylene, in various sizes and colours, you can creatively blend them to suit your needs.



## Dimensions & Range

### Square Planters

CODE NO.	DESCRIPTION	WIDTH cm	HEIGHT cm	LENGTH cm
PGL-S 60	Square 60 ltr	37.5	37.5	45
PGL-S 250	Square 250 ltr	50	50	100
PGL-S 200	Square 200 ltr	60	60	60

### Round Planters

CODE NO.	DIAMETER	WIDTH cm
PGL-R 250	70	75
PGL-R 200	50	100
PGL-R 100	50	42.5

- \* Power Source: Electricity to be connected
- \* No warranty for any accessories
- \* Tolerance: ±3% of the nominal dimensions & thickness

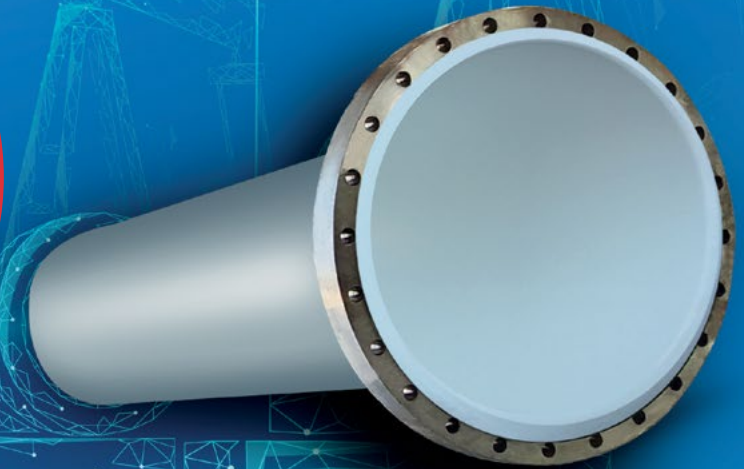
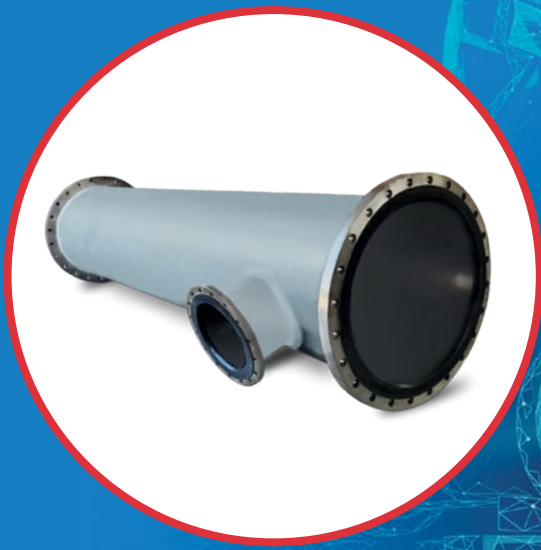
# Extend Life of Assets

## Using Rotolining

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Polycon, the only company in the UAE that specializes in Rotolining for corrosion protection.





**Rotolining** is a seamless **internal lining** technique for steel structures. An innovative and highly effective **internal corrosion** protection technology specially designed for pipelines, plant pipings, tanks, vessels etc. that has recently seen significant usage in this region.

Rotolining applies a **uniform, smooth, joint-free and adhesive-free** coating of **Polyethylene / ETFE/ PTFE/ PVDF/ Polyamide** etc. on the internal surface of the steel structures with controlled heating process.

Rotolined pipes, vessels, tanks can withstand extreme operating temperatures **from cryogenic range up to 350°C** and carry the **most corrosive fluids**.

The biggest benefit of Rotolining our end-users have experienced is the **assets' longer life** with **reduced maintenance costs**.

Rotolining has been regularly used in the USA, Europe, Japan, China, India and also in Oman for decades. Rotolined tanks have also emerged as the best **storage device for Hydrogen gas** as the fuel of future.

**Polycon** is the **pioneer in Rotolining** in the UAE and our services are available across the GCC countries through our joint ventures. **Polycon** is now also approved as a top Rotolining Service provider by **ARAMCO, ADNOC** and other major end-users in the region.



## APPLICATIONS

1. Steel Pipes, Spools, Fittings, Plant Pipings, Tubular Goods
2. Skids, Tanks, Vessels, Headers, Scrubbers, Agitators, Large Tankers
3. Water and Chemical Injection Systems
4. Process Piping & Equipment
5. Marine Piping Systems (BWTS and others)



## MAJOR CUSTOMERS

- DryDocks World, Dubai
- Oxy - Occidental of Oman
- Schlumberger
- Al Shirawi
- Oman Drydocks Co.
- Process Group International
- Oilfield Supplies FZCO
- Advance Watertek



## ADVANTAGES

1. Best-in-Class **Internal Corrosion Protection Technology** with a design life of 50 years.
2. **Excellent corrosion resistance** against highly corrosive fluids like, **sea-water, sewage water, crude oil, nuclear waste water, acids (as strong as 98%), bases** and other chemicals.
3. Zero failure at low to very high operating temperatures - from cryogenic temperature up to 350°C.
4. Lower heat dissipation, improved flowrates, reduced deposition and overall lower pump power consumption.
5. "Lowest life-cycle cost" of corrosion protection of steel assets



## ROTOLINING BENEFITS COMPARED TO OTHER TECHNOLOGIES

Particulars	Rotolining (PE)	Sheet Lining	Powder Coating	FRP	Epoxy Coating	Glass Lining	Exotic Alloy
Seamless Liner	✓	✗	✓	✗	✓	✓	✗
Mechanically Bonded Liner	✓	✗	✓	✗	✓	✓	✗
Complex Shapes	✓	✗	✗	✗	✗	✗	✓
Thick Liner ( 2-11mm )	✓	✗	✗	✗	✗	✗	✗
Resists Abrasion	✓	✗	✗	✗	✗	✓	✓
Easily Repaired	✓	✓	✗	✗	✗	✗	✓
Impact-resistant	✓	✓	✗	✓	✗	✗	✓
No Direct Internal Access Required	✓	✗	✗	✗	✗	✗	✓
Reuse Existing Structures	✓	✓	✓	✗	✓	✗	✗

# Our Capabilities

Description of Article	Internal Diameter				Maximum Length	
	Minimum		Maximum		In mm	In feet
	In mm	In inch	In mm	In inch		
Straight Pipe - Small	50	2	600	24	6000	20
Straight Pipe - Big	600	24	3,000	120	6000	20
Straight, Single & Double Bend Spool - Small	50	2	600	24	1,750	6.5
Straight, Single & Double Bend Spool - Big	600	24	3,000	120	2,000	6.5
Equal Tee	50	2	600	24	2,000	6.5
Manifolds	50	2	600	24	2,000	6.5
Acid Tanker / Vessels	600	24	3,000	120	6,000	20



## INDUSTRIES

1. Oil & Gas
2. Marine & Ship-building
3. Chemicals, Petrochemicals, Fertilizers
4. Power & Desalination Plants
5. Sewage Water Treatment Plants
6. Water Transmission Systems
7. Nuclear Waste Water Piping Systems
8. Hydrogen Storage Tanks





**NOW  
APPROVED BY**

**Saudi Aramco  
and ADNOC**



The best technology for internal corrosion protection of your steel assets.





ROTO LINING

You design,  
we build it



PONTOON



TRACK BARRIER

### Customized Product



SLIM TANK: 1000 mm (Length) x 280 mm (Width) x 1000 mm (Height)

### Customized Product



CONICAL TANK: Height-1985 mm, Diameter-1330 mm



MARINE FLOAT

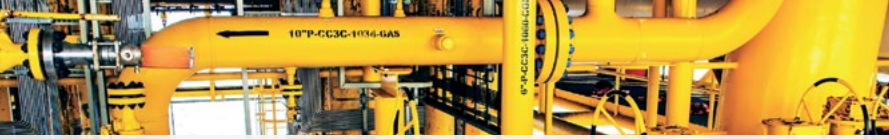
# Toughened products for life



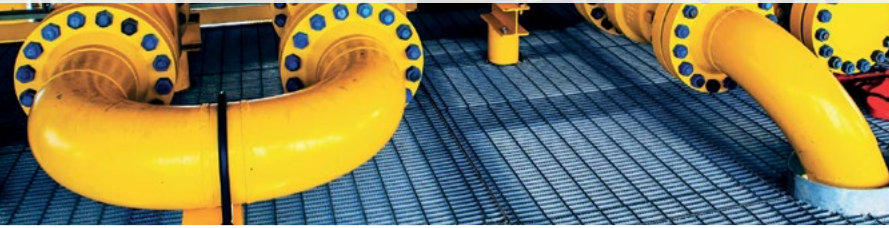
BUNKER CONTAINER



MULTI-PURPOSE TRAY



# ROTO LINING SOLUTIONS FOR VARIOUS INDUSTRIAL APPLICATIONS



◀ Road Barriers

Custom ▶ Molding



◀ Portable Restrooms

Conical ▶ Tank



◀ Slim Tank

Customized ▶ Drum



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# POLYCON

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