



WATER TANKS

www.macsuae.com

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Address: Industrial Area 15th Sharjah UAE

- **INTRODUCTION**

MACS is specialized in water tanks as its various types and capacities. The management of MACS (Water Tanks Division) has contributed towards the growth of the company using its vast experience and profound knowledge that managed by its expert team with more than 10 years in water tank experience in general, especially GRP sectional water tank.

We are dedicated to offer our customers a quality service from technical side, samples, manufacture right through to delivery and final installation.

All our product line and services confirm to the International standards such as BSEN, WRAS, KSP, PSB, ISO 9001, ISO 14001, Green Mark SG, FDA, Green Building, Construction line and many more.

- **VISION**

We Strike to become the leading and most reliable Water Tanks Supplier in UAE, continuously conforming to our ever-growing professional and ethical demeanor as well as a quality assurance standard to earn the privilege of being your entrusted business partner.

- **MISSION**

Guided by our vision we shall deliver high-quality cost effective works on schedule and enhance our client's satisfaction through continuous improvement of our business practice on terms of safety, quality, services, delivery as well as environmental protection.

Our commitment to excellence, integrity, diversity of experience and team collaboration allows us to exceed our client's expectations on every project and to develop and maintain long lasting customer relationships.

- **VALUE**

To provide our clients with the highest standards of contracting service, we at MACS- Water Tanks are proud to have been an efficient and successful partner to many reputed and established names throughout our history.

This success could not have emerged without our belief in the core values of trust, attention to detail and reliability.

Our value is shown by our commitment to achieving and maintaining the highest standard of work.

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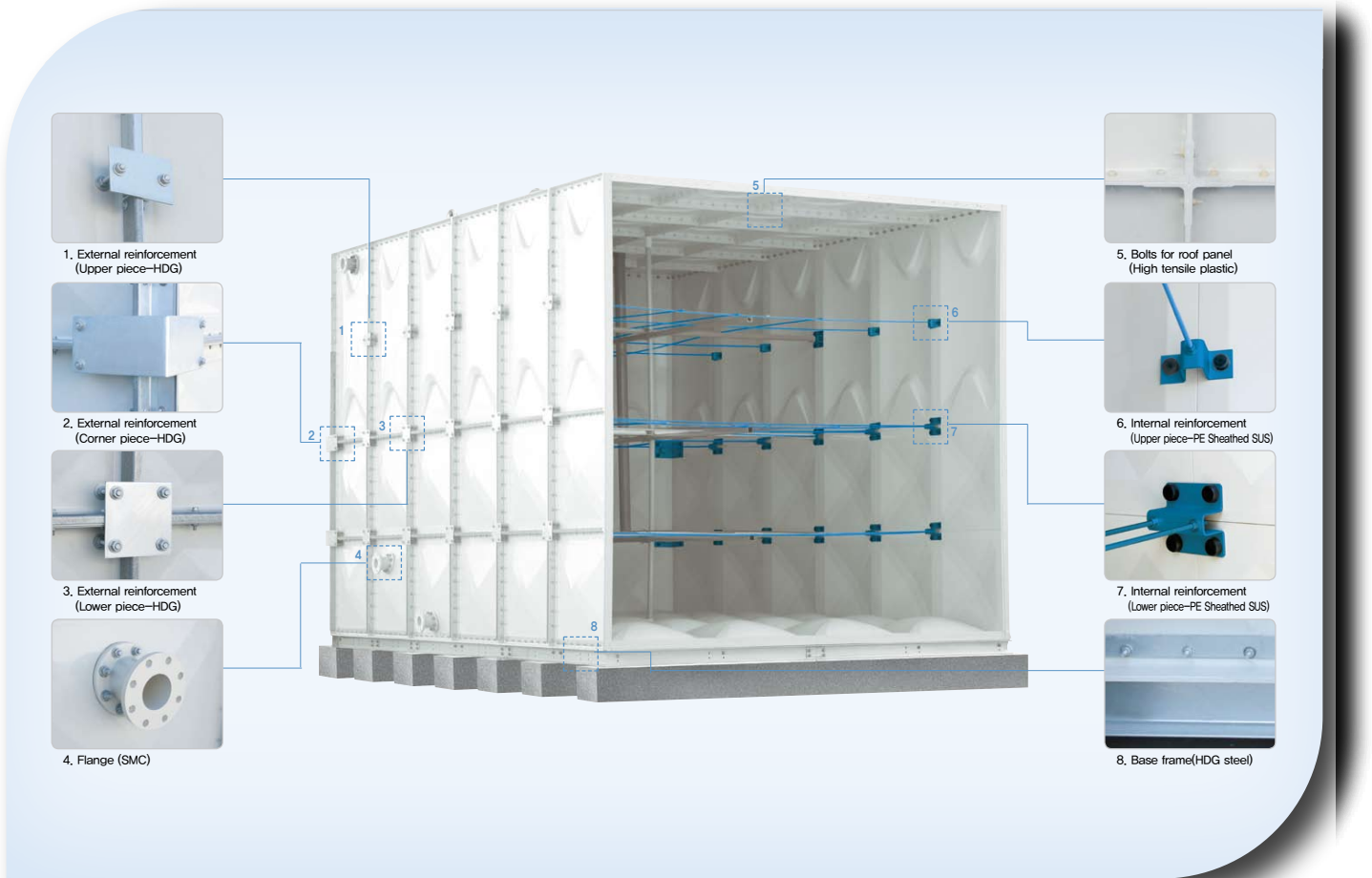
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- **PRODUCTS:**

A- GRP PANELS WATER TANK:

Excellent in Clean & Hygienic and, Non-leakage. Sectional GRP Water Tank for Easy to Design and Installation. GRP Water Tank always keep clean water. Our Sectional GRP Water Tank is designed to satisfy the basic requirements by using Glass Fiber reinforced Panel.



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We've been specialized GRP Tank - Since 2001

Water Clean Tank **FIRST TANK**



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Clean Water Begins with Sejin!

SEJIN GRP WATER TANK

- Outstanding in Heat Insulation
- Excellent Strength
- Versatile Capacity
- Excellent Sanitation
- Easy Assembly
- Perfect Watertightness



 **SEJIN SMC CO., LTD.**

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**SUNG IL GRP
WATER TANK**



— GRP Building Materials Company —

SUNG IL CO., LTD.

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B- PVC (Polyethylene) Tanks (Horizontal / Vertical):

Premium Product Range

The demand for water tanks is escalating in UAE and to suit the business specific requirements, we provide top-notch water storage products that are durable, UV protected and environment friendly.



Horizontal Water Tanks

Capacity			Dimensions on cm					Average Thickness	No. Of Legs
U.S. Gallon	Imp. Gallon	Lt.	Diameter (D)	Length (L)	Height (H)	Manhole			
35	29	133	55	73	58	25	4 mm	2	
50	42	189	65	80	66	25	4 mm	2	
100	83	378	80	106	85	35	5 mm	3	
150	125	568	63	116	96	35	5 mm	3	
200	166	757	98	133	102	35	5.5 mm	3	
300	250	1135	110	150	116	35	6 mm	3	
400	333	1514	120	165	129	46	7 mm	3	
500	416	1893	130	178	137	46	7.5 mm	3	
600	500	2271	139	193	142	46	8 mm	4	
800	666	3028	152	205	151	46	9 mm	4	
1000	833	3785	165	224	168	46	10 mm	4	

Water Tanks

Our water tanks are manufactured in the facility by using a highly advanced roto-moulding machine that produce strong and durable water tanks without any joints.

Vertical Water Tanks

Capacity			Dimensions on cm				
U.S. Gallon	Imp. Gallon	Lt.	Diameter (D)	Height (H)	Manhole	Average Thickness	
35	29	133	55	75	25	3 mm	
50	42	189	65	85	25	3.5	
100	83	378	75	98.5	35	4	
150	125	568	86	120	35	4	
200	166	757	96	127	35	4.5	
300	250	1135	110	144.5	35	5	
400	333	1514	120	165	46	6	
500	416	1893	130	175	46	7	
600	500	2271	138	184	46	7	
700	583	2650	154	177	46	7	
800	666	3028	152	204	46	7.5	
900	749	3407	158	206	46	7.5	
1000	833	3785	162	218	46	8	
1500	1249	5678	197	215	46	8.5	
2000	1665	7570	216	250	50	9	
3000	2498	11356	239	300	50	10	
5000	4163	18927	286	336	50	12	

Different Colors



Features of Polyinds Water Tanks

- Strong ribs are provided to give extra strength
- Available in double layers, three layers and insulated layers with inner smooth black layer.
- External white layer is made from approved UV stabilized PE
- Middle layer acts as thermal barrier
- Black inner layer is made from approved polyethylene food grade master batch suitable for potable water.
- Outlet Pockets
- Secure threaded cover
- Manufacturing Date

Installation Procedures for Water Tanks

- Do not keep tank empty for long duration to ensure long life
- Do not use sharp tools on the tank's body
- Do not install tank underground without prior consultation with Polyinds Industries
- Do not use tank on moving vehicles prior to consultation with Polyinds Industries
- Keep tank away from electricity

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C- Fiberglass & GRP Cylindrical Tanks

Fiberglass offer optimum quality water tank using GRP that are corrosion resistant, leak proof and easy maintenance. These GRP water tanks are made by hand lay-up process. It is available in horizontal and vertical type cylindrical or rectangular in shape. Our extensive experience helps us to meet the industrial and commercial demands with our quality range of GRP storage tanks. These are ideal for storage of potable water, treated water, sweet water.



DIMENSIONS (APPRO.)					
GRP Cylindrical Horizontal Water Tanks					
Sl.No.	CAPACITY U.S. GALLON	LENGTH C.M.	WIDTH C.M.	HEIGHT C.M.	NO. OF LEGS
1	250	135	112	112	2
2	300	154	110	110	2
3	400	180	130	120	2
4	500	195	135	142	2
5	600	203	135	145	2
6	800	207	152	163	2
7	1,000	227	160	175	2
8	1,200	245	170	185	2
9	1,500	285	180	175	3
10	2,000	277	225	235	2
11	2,500	320	225	235	2
12	3,000	380	225	235	3
13	4,000	485	225	235	4
14	5,000	586	225	235	5
15	6,000	575	250	258	6
16	10,000	740	285	280	6
17	15,000	1085	290	280	9
18	5000 Vertical Model		284 cm (dia)	342	
19	10,000 Vertical Model		300 cm (dia)	570	
20	35,000 Vertical Model		7M. (dia)	345	

Dimensions TOLERANCE : ± 1%

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D- Steel Cylindrical Tanks:

Our steel tanks are the best way to provide large amounts of water storage. They can be custom designed and manufactured as per site requirements, transported easily and installed quickly.

Steel tanks consist of deep corrugated and galvanized steel frame and utilize PVC/EPDM liner to make sure that they are water tight. They are ideal for commercial, industrial and rural applications and can be used for potable water, grey water, fire water tanks.



ADVANTAGES OF PATENTED ILURCO® SYSTEM

1 Lower costs and better sealing as the installation only requires a ring beam around the tank shell instead of a complete concrete foundation.

2 The excellent properties of the different materials are used to their fullest potential, optimising resources to save costs (i.e. only steel supports traction forces, unlike concrete).

3 The outstanding flexibility of the base liner material makes it suitable for irregular ground surfaces.

4 This liner material only covers the tank base, other systems can cover the tank shell partially, making the tank more vulnerable to corrosion without an access to be repaired.

5 Interior coating can be adapted, depending on the tank final use: potable water, water treatment, etc.

6 All tanks are completely modular. This flexible system allows adjustment in tank capacity, makes it easy to transport and may be improved with endless possibilities using a lot of different accessories.

7 Cost effective and easy to build.

ILURCO® patent system is the result of years of experience, research and development within the water storage industry.

Corrugated galvanised steel panels and the unique base of the ILURCO® tanks provide an economical, reliable and low maintenance solution for water storage.

ILURCO's broad expertise, particularly in the water tank industry, makes us the brand to trust in the design, manufacturing and installation of steel water storage tanks.

The advantages of corrugated steel panels for the tank shell are endless. Steel presents an excellent tensile strength, it is elastic enough to allow the movement of fluids, ground settlements or thermal expansion, durable and low maintenance. If the steel panel is corrugated then the material is easy to store and transport and presents excellent wind stiffening properties.

But it is the tank base that makes the ILURCO® system really unique. This material is water-proof, presents an excellent elasticity to adapt to the ground, it is easy to clean, durable and cost-effective.

The perfect match sheets-liner floor base makes ILURCO® the right choice.

In general, ILURCO® system offers important advantages:

INTRODUCTION | ILURCO TANK. A PATENTED SYSTEM | THE PROCESS | ACCESSORIES | OTHER PRODUCTS | QUALITY AND ENVIRONMENTAL ASSURANCE

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