SINCE 1968
AL BASSAM®
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POLYETHYLENE UNDERGROUND TANKS

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POLYETHYLENE HIGH DENSITY

UNDERGROUND
POLYETHYLENE HIGH DENSITY
TANKS

In order to fulfill the ever changing demands of our clients, we have been engaged in offering also a quality range of Underground Plastic Water Tanks. High quality machines and advanced technology are employed in the manufacturing process following standards and norms of the industry. Moreover, we offer these tanks in various capacities within the industry at competitive prices.

Al Bassam Underground Plastic Tanks are molded from FDA approved UV stabilized Polyethylene and manufactured as single-piece units. They are designed especially for underground installation. They have the flexibility to be positioned easily. These tanks can be used for residential, commercial and industrial applications.

SPECIFICATIONS

- Vertical ribbed side walls
- Substantially wide ribs positioned vertically from top to bottom to noticeably increase both strength and durability of our underground tanks
- Longer life span:
- These tanks are unaffected by any chemicals (gases created by sewage and the acids from the soil) and does not weaken, corrode and rust.
- Non-Porous Materials: Plant root will not break through the underground tanks
- Clean and Hygienic: Smooth inner layer which especially designed to resist the growth of algae and bacteria and ensures safe use of our tanks
- Leak proof: One-piece molded body without any joints which is protected to preserve our tanks in shape
- Rust-proof: Polyethylene granules used in construction of the tanks assure that is well built, durable and free from corrosion
- Lightweight and easy to install: Designed for easy usage, installation and transportable
- Secured: A special threaded cover which ensures the tank and its contents not to be contaminated of any harmful effects from its surroundings
- Suitable for underground application: Adaptable to variety of functions for household water supply system, agricultural farms, chemical plants, hospitals, offices and schools.

1st Layer - Outside Layer

High Density Polyethylene Black color

UV stabilized polyethylene

with food grade

2nd Layer

High Density Polyethylene Insulation layer

Middle layer

Extra thick

Anti-bacterial growth

UV stabilized polyethylene

with food grade

3rd Layer - Inside Layer

High Density Polyethylene Black color

Anti-fungus

UV stabilized polyethelene

with food grade

- Can be buried directly underground without concrete foundation.
- Can carry a linear load of 3550 Kg/m
- A total load for the tank of 8250 Kg

Raw Material of Underground

Density of 954kg/m³

Tensile Modules 1200 Mpa

Stress Yield at around 27 Mpa

1st Layer - Black Color

UV stabilized polyethylene with food grade.

2nd Layer - Polyethylene Insulation Layer:

This layer provides the following values:

Thermal Insulation

Improving stiffness

In addition to UV stabilizer added to the raw material, insulation layer acts as an additional UV stabilizer and naturally food grade color.

3rd Layer - Polyethylene Black color:

Suitable for the storage of potable water

Food Grade

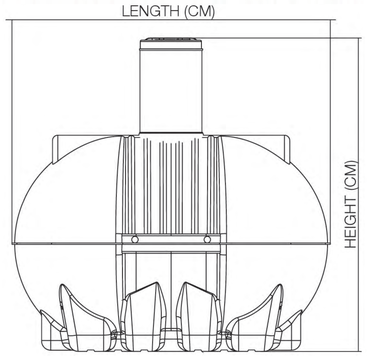
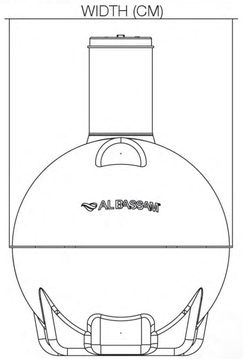
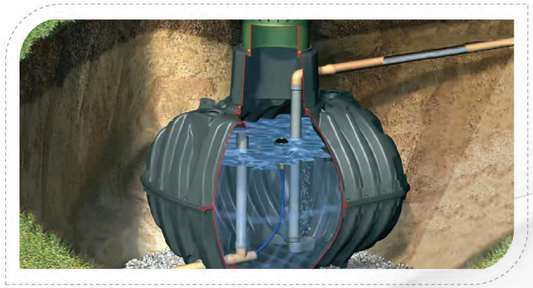
Prevents formation of fungus

Prevents the bacterial growth

UV food grade

CAPACITIES AND DIMENSIONS

HORIZONTAL TANKS						
Capacity / سعة			الطول سم	العرض سم	الارتفاع سم	عدد الأرجل
U.S Gallons. جالون الولايات المتحدة.	Liters. / ليتر.	M3 / متر مكعب.	Length CM	Width CM	Height CM	Legs / Nos.
100	378.6	0.38	111.3	76.6	137.1	4
150	567.9	0.57	127.2	87.5	148.1	4
200	757.1	0.76	138.4	95.2	155.9	4
250	946.4	0.95	147.9	101.8	162.5	4
300	1135.7	1.14	159	109.4	170.3	4
400	1514.2	1.52	176.8	122.8	175.8	4
500	1892.8	1.9	190.3	132.2	185	4
600	2271.3	2.28	202.3	140.5	193.1	4
800	3028.4	3.1	221.8	154.1	206.4	4
1000	3785.5	3.8	239.8	166.6	219.1	4
1500	5678.2	5.7	275.8	191.6	242.7	4
2000	7570.1	7.6	299.7	208.2	259.3	4

Actual Capacity May Vary ± 2 %

**All mentioned tank sizes manhole diameter is 45 CM