

WATER SOLUTIONS

Water Tanks

High-density polyethylene water tanks manufactured in Saudi Arabia using rotational and blow molding. Available in vertical, horizontal, chemical, multi-connection underground, walkway and under-stair configurations — plus glass-fused-steel (GLS) strategic storage up to 20,000 m³.



SPECIFICATIONS

Material	High-density polyethylene (HDPE) from SABIC — the material approved for water storage by the US FDA and per EU directives
Capacities	Up to 100,000 L — modular units, above-ground or buried
Construction	4 layers: colored outer, UV/algae-blocking black, insulating foam, smooth hygienic white inner
Density	0.942 g/cc
Max impact strength	120 J
Tensile strength	17.5 MPa — elongation at break 512%
Warranty	10 years

AVAILABLE MODELS & CONFIGURATIONS

Model	Capacity / size	Description
Vertical Above-Ground Tanks	500L – 32,000L	Vertical cylindrical tanks for rooftops and open ground with 4-layer UV protection.
Horizontal Storage Tanks	1,000L – 10,000L	Low-profile horizontal design with integral support cradles.
Slimline Walkway Tanks	500L – 2,000L	Narrow footprint engineered for corridor and rooftop perimeter placement.
Modular Underground Burial Tanks	2,000L – 50,000L+	Ribbed structure withstanding soil pressure, in three layers: black outer for strength, foam for thermal insulation, and a smooth white inner that prevents algae.
Glass-Fused-Steel (GLS) Tanks	Up to 20,000 m ³	Glass-fused steel panels for strategic storage, in partnership with a leading British manufacturer.

PUBLISHED DIMENSIONS (MM)

Vertical tanks

Capacity (L)	Diameter	Height with lid
1,500	1280	1570
2,000	1400	1730
2,500	1440	1960
3,000	1580	1960
3,500	1620	2030
4,000	1730	2230
5,000	1880	2390
6,000	1900	2530
8,000	2160	2650
10,000	2480	2820
12,000	2520	3050
16,000	2900	3100
20,000	3180	3350
25,000	3170	3900
32,000	3460	4080

Horizontal tanks

Capacity (L)	Height	Width	Length
1,000	1255	1127	1588
2,000	1490	1320	1920
4,000	1851	1707	2458
5,000	1979	1839	2647
6,000	1940	1730	2940
7,000	2240	1910	3100
9,000	2370	2110	3570
10,000	2640	2200	3020

Dimensions as published by Al Zamil in its online store; confirm before detailed design.

MATERIALS & ENGINEERING PROPERTIES

Multi-layer food-grade polyethylene approved for potable water, featuring UV stabilization and anti-algae interior lining.

APPLICATIONS

- Residential villas and housing compounds
- Commercial towers and buildings
- Underground burial and construction projects
- Farms and industrial facilities

SUITED TO PROJECT TYPES

- Residential developments
- Commercial, hospitality & offices
- Industrial & logistics
- Infrastructure & municipal

The next step for your project

- Request a quote

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- Speak to an engineer

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