

WHERE SHOULD MY STORAGE TANK BE LOCATED?

The location of the storage tank depends on the available space inside or outside the building. While deciding where to locate, take into account that the water temperature needs to be as low as possible to limit bacteria and algae growth. Here are some pros and cons of different locations:

UNDERGROUND TANK



- Can be installed under high traffic areas (with concrete support)
- Takes no space in the building
- Keeps the water cold, and protects stored water from freezing if placed below frost depth

- High excavation costs
- Must be secured to prevent the tank from lifting when emptied

ABOVE GROUND TANK



- Low excavation costs
- Easy to access for maintenance
- May eliminate the need for a pump to extract water

- Takes space on building site
- Exposed to harsh weather
- Risk of frozen water
- Needs to be anchored to the ground when empty
- Subject to direct sunlight, therefore has warmer water

INDOOR TANK



- No excavation costs
- Low or no risk of frozen water

- Takes up space inside the building
- If placed at the top of the building, the building must be reinforced
- Has a risk of too high water temperature
- In case of leakage from the tank, the building must be protected against flooding e.g. by means of gullies

SECTIONAL TANK

For larger capacities of water, multiple tanks may be connected to meet storage requirements. Sectional tanks are constructed from modular panels that are bolted together on site. They are particularly useful as they enable confined spaces (like basements) to be used for rainwater storage.

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