

# COMPARISON

## ABOVE OR BELOW GROUND CONCRETE TANK

## UIG EVERSTORE® GLASS FUSED TO STEEL TANK

HIGH CAPITAL INVESTMENT	LOWER CAPITAL INVESTMENT
Uncertain life cycle cost due to construction specifics.	Proven, long-lasting, and cost-effective life cycle.
Significant demolition costs	Retains capital value and can be relocated with minimal scrap.
Increasing capacity requires extensive engineering, added costs, and project modifications.	Easily expandable vertically with no footprint change.
Higher pumping and maintenance costs.	Optimizes head pressures for efficient use.
Extensive engineering needed for modifications and accessories	Easily adaptable with bolted connections for baffles, mixing systems, and equipment.
Poor soil or high water table significantly increases foundation costs.	Foundation designed for all soil conditions, with a glass-fused-to-steel floor that adapts to differential settlement.
Below Ground: Hidden risks of unknown contaminant exposure and water loss through cracks.	Above Ground: Easy inspection, positive containment, minimal exposure, no water loss through glass-sealed floors.
Permeable concrete requires chemical coatings, ongoing maintenance, and offers limited flexibility and durability.	Factory-applied, quality-controlled coatings mean no repainting or recoating, ever.
Concrete cracks with minor differential settlement.	Steel tolerates up to $\pm 100$ mm of differential settlement without damage.
Chlorine treatments degrade concrete coatings and reinforcement.	Glass and sealant are unaffected by chlorine exposure.
Concrete tanks require repainting and are difficult to clean.	Graffiti and debris are easily wiped or washed off.
Spalling and cracking are hard to fix long-term.	Individual plate replacement and minor repairs are quick, easy, and long-lasting.
Static dead spots form in corners.	Round design eliminates dead spots for more efficient water flow.
Concrete tanks built to ACI 372R standards allow up to 0.05% liquid loss of the tank volume over 24 hours.	Glass Fused-to-Steel Bolted water tanks built to AWWA D103 standards are designed for zero liquid loss, ensuring complete water containment.