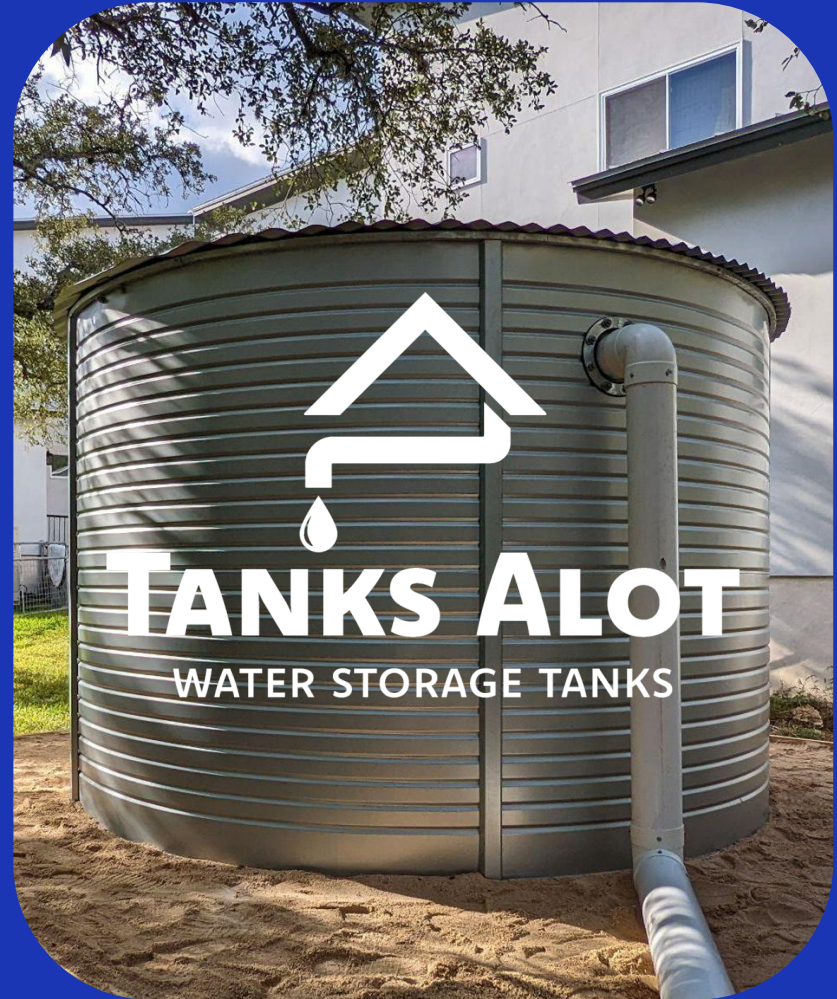


# Rainwater Storage Tanks

**Danny Aldrete**

Types and applications of  
rainwater storage tanks



# Why collect rainwater?

- Reduces dependence on well or municipal water
- Helps conserve groundwater
- Controls erosion from runoff
- Naturally soft water great for irrigation, or whole house use with proper filtration



# Types of water tanks

Poly



Affordable and easy installation.

Steel



High strength and large capacities.

Concrete



Durable and more insulative.

# Poly

## Benefits:

- Large range of sizes to fit various setups
- More affordable than other tank types generally below 10,000 gallons.
- Several color options to match landscape or buildings.
- Easy to scale system and add or move tanks.

## Drawbacks:

- May not last as long as concrete or steel water tanks.
- The look and design may not be preferred.
- Harder to use larger poly tanks to harvest rainwater due to height of tanks.



# What types of systems are poly tanks suited for?

Poly tanks are best used in the following situations:

- When there is only a small catchment area or usage is low enough to not require a large storage.
- When it is not feasible to run multiple downspouts to one larger tank, where multiple smaller tanks would work better.
- When storage needs require an expandable array.



# Steel

## Benefits:

- Lower tank height with larger capacities which can make it easier to collect rainwater off lower eave heights.
- Longer lifespan than poly, and concrete tanks.
- Can be painted to match surroundings.

## Drawbacks:

- Not typically available in smaller sizes to fit in tight spaces, or for smaller collection systems.



# What types of systems are steel tanks suited for?

Steel tanks are best used in the following situations:

- For whole house use when rainwater is the sole source of water, and a large amount of storage is required.
- For large scale watering, or irrigation.
- When a larger tank is required, that needs to fit under a low eave height.



# Concrete

## Benefits:

- More insulative than poly, and steel tanks.
- If installed, and maintained properly, they can last a long time.

## Drawbacks:

- Specialized installation.
- May need to be patched, or relined over time.
- More prone to leaks from shifting or settling.



# Questions?



# TANKS ALOT

WATER STORAGE TANKS

