

# TFS450

## Reverse Osmosis System



Reverse osmosis or RO is a water purification technology that removes dissolved solids and contaminants from drinking water. During the reverse osmosis process, water is pushed through a semi-permeable membrane to filter out very small contaminants. Typically RO involves four stages of filtration: a sediment filter, pre-carbon block, reverse osmosis membrane, and post-carbon filter. The sediment filter removes the largest particles, like dirt, sand, and rust to prevent clogging of the subsequent filters. The pre-carbon block filters dissolved compounds, such as chlorine. The RO membrane then removes molecules heavier than water, such as sodium, high levels of lead, dissolved minerals, bacteria, and fluoride. Finally, the post-carbon filter polishes the water.



# Specifications

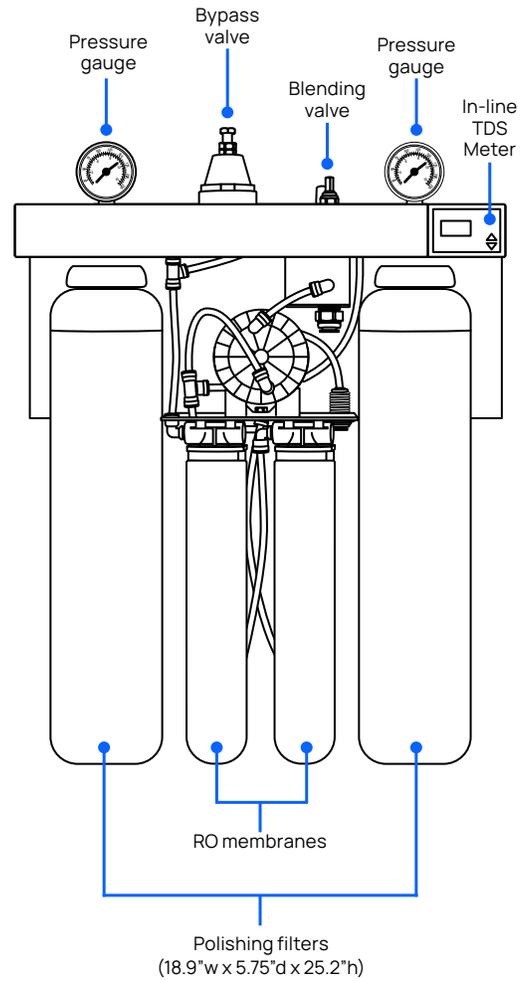


## Product Details

The TFS450 is a Blended Reverse Osmosis Water Filtration System that produces Recipe Quality Water™, perfect for hot beverages and steamers while maintaining efficient equipment operation in water conditions with high TDS levels. The TFS450's unique design allows for filtered water to be blended with RO water for adjustment of water quality and production volumes. The TFS450 will bring expertly balanced water to all your coffee brewers, water coolers or ice machines. It requires no electricity and can be installed virtually anywhere.

### The TFS450 Filtration System has:

- Daily production capacity of 300 gallons per day as a pure RO system and up to 600 gallons per day as a blended RO system
- A hydraulic (non-electrical) bypass valve that keeps running during high demand periods, even during power outages
- Built-in pressure gauge and in-line TDS meter for monitoring
- Adjustable metering valve for easy adjustment of proportion of filtered water to RO water
- Pre and Post membrane carbon and sediment filters to ensure the highest quality water
- All RO systems require a drain



Culligan Quench products are certified by independent authorized 3rd party laboratories in accordance of appropriate industry standards. To find out more about which certifications your product may have, please contact us.