

The “HydroPure System” is your one solution for all your water requirements.

The general concept is that a single container separated in two with one side dedicated to wastewater (black and gray) treatment and the second side dedicated to the treatment of well water for reuse. The single building concept reduces the time and manpower needed to move and de-move from one site to the next. Inside the container the wastewater will begin to be treated using a combination of micro-organisms, air, retention time, and disinfectant. The treated water then exits the container and is disposed of by the customer.

The “HPS” package includes: 30-man sewage plant, three chemical injection tanks (De-Chlorination, Anti-Scalant, and Caustic), media-filter, 5GPM Reverse Osmosis Unit, two 1050-gallon water storage tanks, pressure set with 10 hose bibbs, two 9k BTU ptac units cool and heat, and four 48” LED 4k lumen lights. The package is designed to treat facility wastewater (black and gray) as well as independently treat well water for a total of thirty people.

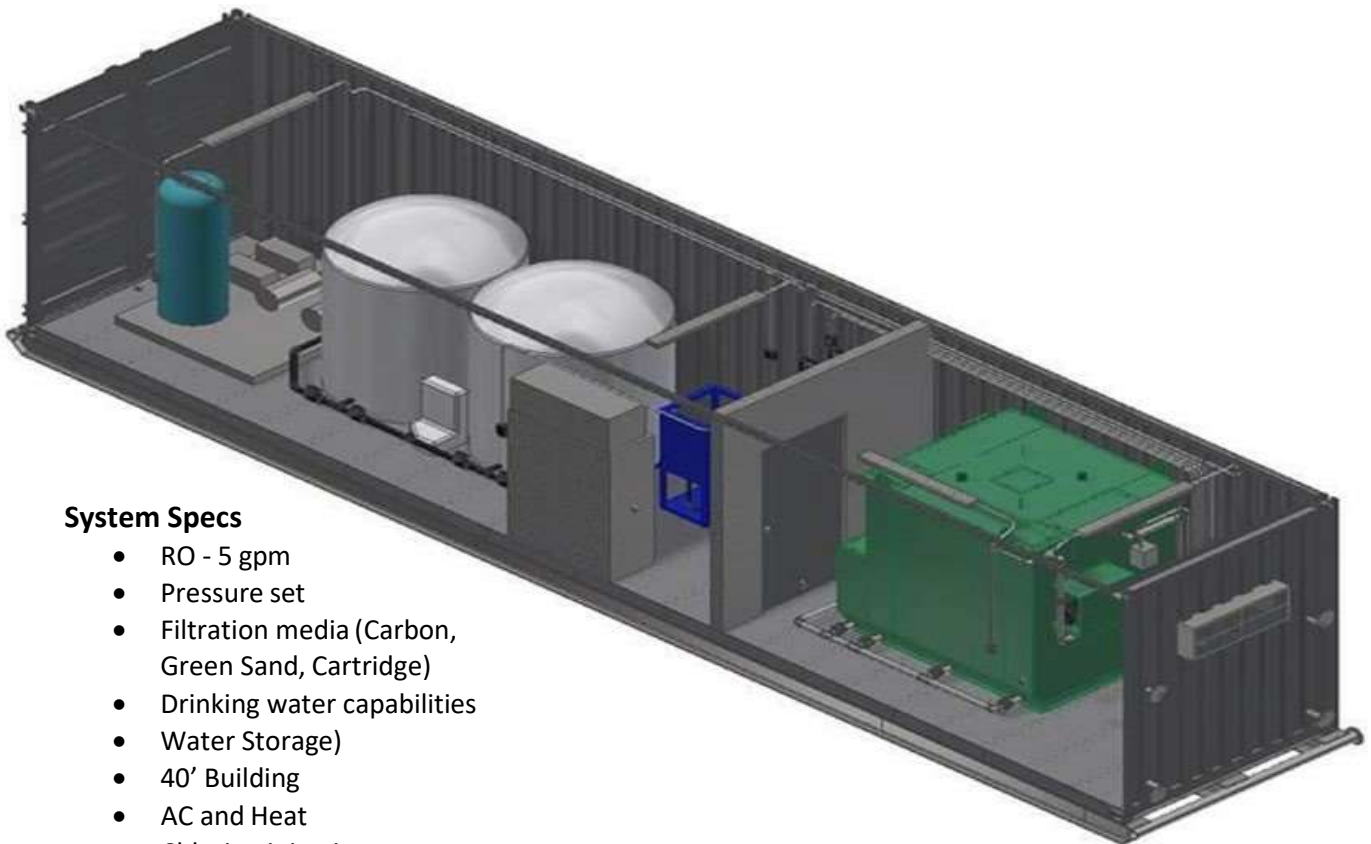
The first compartment is dedicated to the treatment of wastewater using a combination of micro-organisms, air, retention time, and disinfectant. The treated water then exits the container and is available for drill water makeup, dust suppression, and/or disposal. Each building feeds the plant using lift stations which transfer the waste to be treated and serves to grind the waste for more efficient treatment.

In the second compartment, well water will be fed to the container using a jet pump. The incoming feed will immediately be treated with a de-Chlorination and anti-Scalant chemical. The feed water then enters the media-filter where the suspended solids are removed. After leaving the media-filter the water travels to the reverse osmosis unit, where the water is stripped of most of its TDS by using a series of filters to separate permeate (clean water) and concentrate (reject) water. Concentrate (reject) water is diverted to drain and permeate (clean water) is diverted to water storage tanks. The pressure set uses a pump to draw water from storage tanks. Then with the aid of a bladder tank they provide constant pressure for showers, laundry, dishes, etc... The pumps are designed to turn on and off automatically depending on either the increase or decrease of pressure.



The HydroPure System is your one solution for all your water requirements:

- Handles high TDS water, as well as metals, microbes, and gasses.
- Produces and treats adequate water supply for locations up to thirty people.
- Designed and built by experts with over 40 years of experience.
- Built with the latest water treatment technologies.
- Dependable design for any climate.
- Prefiltration, Reverse Osmosis, Carbon Filtration, Scale Removal Disinfection Injection.
- Wastewater falls well below state-mandated maximum levels.
- All produced wastewater can be recycled in some manner on-site.
- Wastewater system is maintenance free for the duration of average-length jobs.
- Wastewater system treats up to 1500 GPD.



System Specs

- RO - 5 gpm
- Pressure set
- Filtration media (Carbon, Green Sand, Cartridge)
- Drinking water capabilities
- Water Storage)
- 40' Building
- AC and Heat
- Chlorine injection
- 1500 Gallon Wastewater Treatment System
- UV Bacteria Control
- 220V Single Phase Power
- Estimated Weight 25,000lbs.