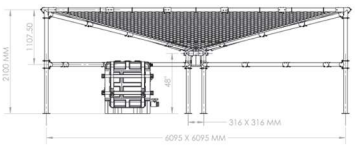
December, 2025

25’ RAINWATER COLLECTION FUNNEL

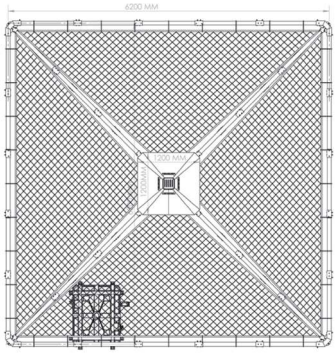


PROBLEM STATEMENT

Many people around the world do not have sufficient potable water to meet their needs for personal hydration, cleanliness and watering crops. In many locations the rain schedule is not predictable, and many seasons of drought occur throughout the year. This leads to famine, dehydration, and consumption of polluted water that leads to illness and even death. There are few low-cost solutions to easily collect and store rainwater. And those that ARE available in remote or financially distressed areas are often cost-prohibitive to both purchase and deliver.

SOLUTION

We have created a 25-foot square water collection unit that uses low-cost components, can be shipped in a box or on a single pallet. It has the capability of capturing mass amounts of rainwater due to its precise engineering for proper weight



distribution and transfer to the ground. What makes it different from other water collection systems is:

a) **LOCAL SOURCING.** Our water collection funnel is economical to ship because the heaviest components – the 2" square steel pipes – are obtained locally. These pipes are a commodity item that is manufactured in all major countries of the world. The only parts we will manufacture are the connecting joints as well as the master funnel component, all of which are made of stainless steel. These parts will be precision-manufactured, as will the water collection tarpaulin. All components are combined into one relatively small box, which due to its weight will be strapped to a pallet. Up to 50 of these pallets can be shipped in one standard 40' shipping container, for a total of 10,000 gallons of water storage capacity. If using a high-cab 40' container, up to 100 pallets can be shipped at a time, for a total of 20,000 gallons of water storage.

b) **LOCAL ASSEMBLY.** Once the components are all on site, the unit will be assembled by local mechanics and welders. This is a relatively easy project to assemble, so only the most basic skill sets are needed. The project will complete within a few short days, the unit is ready for use, and the permanent structure is ready for many years of reliable performance.

c) **WATER STORAGE TANKS ASSEMBLED ON SITE.** Up to 16 of our custom-designed water storage tanks will fit directly under the unit. (Tanks described in detail in a different chapter of this document.) Because the tank sections are nestable, all 16 tanks and the hardware needed to assemble them will fit on 4 pallets. The pallets will be relatively light, allowing their delivery to remote locations by industrial drones.

d) **TANKS DIRECTLY CONNECT TO ROW CROP IRRIGATION SYSTEM.** We use conventional drip lines and gravity feed to automatically feed row crops using hydroponic nutrients. Plants can be grown conventionally in dirt using diluted hydroponic nutrients as fertilizer. Or, they can be grown using true Kratky System hydroponic growing in ordinary 5-gallon pails. Under this option the nutrient level in the pails is kept stable using a simple float valve. It

means that the plants can be largely ignored for weeks at a time – ideal for remote farming.

e) **UNLIMITED WATER STORAGE CAPACITY.** One of our 25-foot water collection units can fill literally dozens of 200-gallon tanks, which can easily be daisy-chained to form "tank farms."

f) **POTABILITY OPTION.** WHT has developed a solar-powered rainwater purification system, described elsewhere in this document. Each of the "solar stills" can yield 8 to 12 gallons of distilled water per day.

PRODUCT STATUS

- **UTILITY PATENT** has been filed.
- **PROTOTYPE** manufacturing will begin upon USPTO acceptance of patent filing. This gives us an 18-month window of protection against patent theft. Vendor has been selected, and prototype work is already funded.
- **MANUFACTURING** for Eastern Hemisphere will take place in India to reduce costs and shipping distance.
- **MANUFACTURING for U.S.** / **Western Hemisphere** will take place in U.S. Vendor TBD.

MARKET OPPORTUNITY

This is primarily a **COMMERCIAL** rainwater collection unit. We have other smaller units for home use, which are described elsewhere in this document. And while many industries and municipalities may have a need for mass rainwater collection, we will focus on the commercial farming and ranching industry.

What will make this unit appealing to commercial farmers and ranchers is:

- **LOW COST OF PURCHASE & INSTALLATION.** Final cost TBD; varies by installation size.
- **SIMPLICITY OF BUILD.** The entire system can be delivered and installed in weeks.
- **LOW COST OF TRANSPORT.** All components fit in one box that is easily transported by common carrier.
- **LOCALLY SOURCED PIPES.** Reduces shipping costs; supports local companies.

MARKET POTENTIAL

It's no secret that small 'mom and pop' farms are struggling these days. Having a reliable water supply and storage system could help them reduce costs and increase margins. Because our system can be deployed anywhere, it could significantly help the small farmers who are short-staffed but need to keep farming to earn a living.

Another area of great potential is farmers involved in the "Million Acre Challenge" of regenerative farming. This is a Canadian effort, but there are others here in the States, particularly out of Wyoming. The plan in Canada seeks to "accelerate economically viable and environmentally sustainable farming practices that support a thriving, resilient Canadian agricultural sector and food system." We believe that WATER will play a HUGE role in any large-scale food growing effort. Having substantial reserves of water on hand, particularly in remote locations far from city water, lakes or streams, will be the ONLY way to assure reliable harvests. Combined with our unique water storage tanks, we believe that this unit can be a significant tool in helping farmers and ranchers gain a competitive edge.