

CASE STUDY

FULL CIRCLE WATER

Stahlin Enclosures provide aesthetic and product performance solutions to meet the challenges of a water/wastewater OEM.



THE SITUATION

Full Circle Water® is a family owned business with locations in St Joseph, Minnesota and Las Vegas, Nevada. For the past 20 years, Full Circle Water has designed, manufactured, and installed wastewater equipment throughout North America. The company specializes in prepackaged clarifiers, filter presses, chemical feed systems, decanting silos, pump skids, and control solutions.

Among the many product offerings of Full Circle Water is the new HydroClear™ Pro 95: a closed loop recycling system featuring an all-in-one design that saves precious floor space by eliminating the need for a separate holding tank. The HydroClear Pro 95 enables users to reduce water consumption by as much as 90% while also being an environmental steward.



THE CHALLENGE

The HydroClear Pro 95 is a new product with market-changing capabilities, so it was even more important than usual to Full Circle Water that their system would stand out among competitive options. That included the need for a product with aesthetic impact.

Consequently, one of the criteria for selection of system components was the desire to incorporate eye-catching, digitally printed graphics. Another requirement was that components integrated into the HydroClear Pro 95 should be American-made as a contrast to numerous foreign-based competitors in the water/wastewater industry.

Those challenges were top of mind when Full Circle Water began a search for a manufacturer of enclosures to provide reliable protection for the sensitive controls of the HydroClear Pro 95.

THE SOLUTION

Full Circle Water selected Stahlin Enclosures, a brand of Robroy, as its supplier of a J2020 fiberglass enclosure to meet its challenges for protecting critical instrumentation and electrical components used to control the HydroClear Pro 95 system. Joe Meyer, Sales Executive for Full Circle Water, explains why:

"Stahlin was willing to work with us as a true partner from the very beginning. We appreciated that they were willing to create a sample enclosure for us to ensure that what we ultimately got was what we really wanted. It was! The J Series fiberglass enclosure now in use on our HydroClear Pro 95 is digitally printed with a full-color image of the American flag. It is extremely attractive and immediately gets attention. It also underscores the fact that our system is Made-In-The-U.S.A. All of that adds value to our product and its presentation. The responses have been many — and all positive. The quality of Stahlin enclosures is unmatched. They pay attention to all the details, no matter how seemingly small. The result is enclosures that provide the protection they promise, complete with features such as secure latching and well-made, reliable seals."

The Stahlin J Series was designed as an industrial enclosure for harsh, aggressive environments. Originally developed as an electrical junction box for the oil refining and petrochem industries, the J Series has evolved over the years into a versatile industrial enclosure with varied applications for use from high-end electronics to extreme corrosive applications both indoors and out. Rugged design combined with tough, durable materials, for extreme reliability in tough environments are key attributes of this series.



The J Series enclosures follow the original design of fiberglass enclosures products featuring a modest overhang cover on a flange mounted base. This enclosure can be configured with cutouts, windows, and other modifications to enhance any instrument installation. These fiberglass enclosures, protected from UV by patented SolarGuard®, are available in sizes ranging from 6" x 4" to 30" x 24". Opaque, raised, and flush bonded window options are available, along with a wide selection of latches and securement configurations.