

Water Services in Park Shores, TX Discover the Rapid Installation Speed of the Triton Underdrain

With standard components custom engineered at Johnson Screens' facility to save on-site labor time, the Triton Underdrain offers a user-friendly installation

Background

The Johnson Screens' Triton Underdrain has enjoyed many years of success with installations around the globe.

Besides offering direct media retention, air/water backwash and a rugged, low profile, adaptable design, a key money saving benefit of the Triton is the simple and quick installation process.

Whether it's new construction or the retrofit of existing filter basins, the installation of the Triton underdrain is simply the easiest and fastest.



Challenge

When the City of Park Shores, Texas needed to expand its water services, it wanted a quick and easy solution to both its new construction and a future retrofit of its existing basins.

Although the Triton® Underdrain was determined to be the technology to fit both these needs, neither the City of Park Shores nor the contractor, Payton Construction, had experience with installing the Triton. Like many contractors and municipalities, they were more familiar with the older "block style" underdrains.

Solution

The Triton design and liberal flatness tolerance of $\pm 1/4$ inch greatly simplifies the preparation and concrete work needed prior to the underdrain installation.

Additionally, When the Triton underdrain system arrives at a project there is no costly field preparation or product assembly needed - it is ready to be installed. Installers simply need to install the gasket materials, hold down hardware, and slip the ready to use Tritons laterals into place.

Results

With on-site assistance from Johnson Screens, Payton Construction was able to install the first set of 12 laterals and hold down bars in an 18' x 22' basin in under 45 minutes, the second 35 minutes, and the third in only 25 minutes.

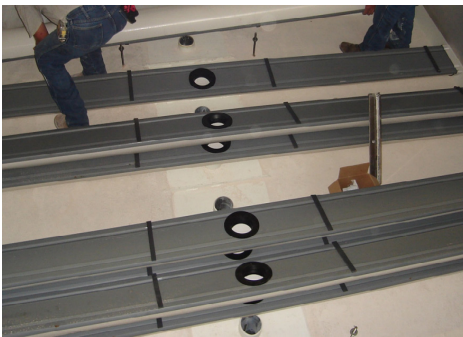
"We couldn't believe how fast these went in. What took us an hour and a half to do with the Triton would have taken us at least a day and a half with piecing together a 'block style' underdrain," says Randy Rankin of Peyton Construction.

Triton Underdrains Help Solve Difficult and Costly Filter Bed Issues

If you are considering a plant upgrade or new facility that will need new underdrains please let us or our local representatives know so we can show you how the Triton can add value to your project. We can also put you in touch with any of the Olney folks if you would like to talk to them directly about their Triton experiences.

Exceptional performance as a filter underdrain system utilizing Johnson Screens' world-renowned Vee-Wire® screen technology. Available in stainless steel and in PVC, Triton® underdrains offer maximum surface area to optimize filtration efficiency with the lowest headloss and backwash pump power consumption.

Triton underdrains arrive at the project site fully assembled and require no grouting, special handling or special equipment. With a simple installation and the low headloss, Triton underdrains are less expensive to install, operate and maintain.



Johnson Screens Industrial and Architectural Screens

North and South America
Phone +1 651 636 3900
info.us@johnsonscreens.com

Europe, Middle East & Africa
Phone +3 3 23 75 05 42
info.fr@johnsonscreens.com

Asia Pacific
Phone +61 7 3867 5555
info.au@johnsonscreens.com

johnsonscreens.com