



Huber Disc Thickener is the Default Device for BCR Environmental's Sludge Neutralization System

"We use Huber's S-Disc Thickener as a standard in our Neutralizer Systems® because they are dependable and because Municipal Plant Operators love them."

Todd Chambers, Director of Operations, BCR Environmental

BCR Environmental (BCR) is in the business of putting smart biosolids and organizations management solutions in place for municipalities. Their work with Huber's disc thickeners is based on a simple fact: **the devices work.**

Operator Favorite and BCR Standard

BCR has leveraged Huber's disc thickeners at two wastewater treatment plants in Florida: Tropical Farms and North Jensen. These plants utilize BCR's sludge neutralizer system which uses the Huber S-Disc gravity thickener as one of its key components.

Todd shares that thickening sludge is an art in the operators' minds. They want to see their results as the process is happening so they can make adjustments. Some types of thickeners are completely closed, making it impossible for operators to see what is happening to the sludge. Polymer consistency is a factor. While the polymer feed rate is automated, polymer performance may vary by lot. And if they can't see how their recipe is working in the drum, they won't know if it is right until the sludge completes its cycle.

It's simple with the Disc Thickener. The hinged top allows the operators to see what's going on.

"This simple feature makes a huge difference to operators. And since they prefer a hinged top, we prefer the sludge thickener that has one: the Huber S-Disc Thickener." -Todd Chambers, Director of Operations, BCR Environmental

Value Providers Can Depend On

Pleasing the operators is huge for BCR, but there are some other factors that make the S-Disc Thickener from Huber the default device for their neutralizing system.

The S-Disc Thickener is considered to be a high-quality device because it is:

- Well-made
- Durable
- Simple

"We love the Huber Disc Thickener. It is the product in our Neutralizer System that we know is going to work without fail."* -Todd Chambers, Director of Operations, BCR Environmental

There are many features of the Huber Disc Thickener that make it BCR's favorite, according to Todd Chambers:

- Its stainless steel fabrication means it withstands process chemicals used in BCR's process.
- Its maintenance consists of changing the oil in the gear boxes one a year and performing an annual inspection. This might require 2-3 maintenance man hours per year compared to other equipment man hours that would be more than 10 hours per year.
- It requires less supervision.
- Its overflow protection is easily automatable so there is no risk of spillage as there is with the belt thickener.
- Its self-cleaning capabilities are very important because the Huber Disc Thickener performs its cleaning so well that it fits into BCR's environmental model.

Never the Bottleneck

The S-Disc Thickener handles a wide variety of flow rates. Regardless of the fluctuations, it just keeps running.

For instance, Tropical Farms WWTP handles enough treated flow to require daily use of its thickeners. The North Jensen WWTP's flow is such that it requires use of its thickeners only two days a week. One S-Disc Thickener unit handles 160 gallons per minutes. Each of the plants has two so their ultimate capacity for thickening sludge is 320 gallons per minute.

When the performance of the S-Disc Thickeners at each plant is compared, there is no difference. The highly-used units at Tropical Farms run no differently than the more moderately used units at North Jensen. The units simply do their jobs.

"The plant operators know the Huber disc thickeners keep up. That's a big deal because it takes away their worry." -Todd Chambers, Director of Operations, BCR Environmental



Tropical Farms & North Jensen Wastewater Treatment Plants • Location: Stuart, FL & North Jensen, FL

Website:
<http://www.bcrenv.com>

Implementations: 2 S-Disc Thickeners at each plant
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Huber serves the municipal and industrial wastewater treatment market with high quality liquid-solid separation technology. Huber Technology offers the complete chain of screening, grit and sludge handling processes. The company is an original source manufacturer specializing in stainless steel fabrication of technologies for water and wastewater. Headquartered in 35,640 sq. ft. of office and manufacturing space in Huntersville, N.C., Huber Technology, Inc. Huber proven experience and expertise with over 25,000 installations worldwide.