

Product Highlights

- Highly efficient over a wide range of flows
- Small footprint
- Minimal headloss
- Low operating costs
- Low maintenance
- Install above or below ground
- Applicable for pumped or gravity flow
- All stainless steel construction



The third unit is designed to concentrate the pumped underflow from the two primary Grit Kings before discharging into the grit classifier.

“Grit King solves the problems caused by Florida’s finest sand”

Panama City Beach, FL Tackles Fine Sand



The two primary Grit King units are each sized to handle 12 mgd for a total treatment capacity of 24 mgd peak.

The problems associated with sugar sand are well known to treatment plant operators in the Florida Panhandle. Removing these fine particles from wastewater can be a difficult problem. Hydro International's Grit King meets the challenge.

Working in partnership with the city and its engineers, Hydro International designed a grit removal system specific to the unique needs of the Panama City Beach Wastewater Treatment Facility. The result was a solution that was both environmentally sustainable and economically viable.

The Panama City Beach facility utilizes three Grit King units, two 15-foot insitu units and one 8-foot freestanding unit. Adaptable and compact, the Grit King links easily with new and existing plants. It has no moving parts, no external power requirements and is virtually maintenance free. The Grit King can handle a wide range of flow rates while maintaining high levels of efficiency for particle separation.

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The system was installed in 2001 and has been in successful operation since that time.

Simple to install and easy to operate, the Grit King is an effective and economical solution to a common problem. Using vortex technology pioneered by Hydro International, the Grit King separates, cleans and dewateres grit and sand from wastewater and protects valuable equipment at the treatment plant.

