

# Decanter

## Cost-Effective Grit Dewatering System

### Product Summary

Cost-effective for smaller plants.

The Decanter is the ideal solution for smaller plants to dewater clean grit output from a TeaCup®, or Grit King® unit.

### Performance

» Retains grit 75 micron and larger.

### Capacity

» Suited for smaller plant dewatering - up to 7 Mgal/d (26.5 MLD) peak

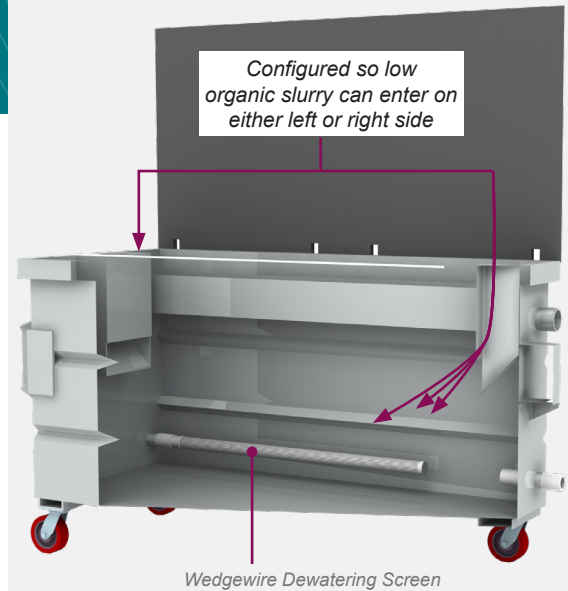
### How it Works

A grit slurry is introduced through the inlet openings which directs flow down and toward the center of the bin. Grit settles in the settling chamber and once full, the clarified, degritted water at the top overflows a weir and is directed to an effluent connection which can be directed back into the process flow.

Grit accumulates at the bottom of the unit burying the stainless steel wedgewire screen. Periodically, the drain valve is opened allowing the free water to drain through the wedgewire screen and the sand bed without releasing captured grit. The bin can then be dumped and a new batch started.

When a Decanter is used in conjunction with a TeaCup®, or Grit King® grit washing system, the grit underflow requires no further washing. Degritted overflow from the Decanter can be returned to the plant for further processing.

### Decanter Components



### Applications

- » Grit dewatering for industrial or municipal projects
- » Dewateres grit output from a TeaCup® or Grit King® unit

### Benefits

- » Durable hot-dipped galvanized construction ensures a long product life
- » No power requirements
- » Varied configurations to match various disposal trucks

### Design Notes

- » Meets ANSI standards for safety & compatibility
- » Cost effective alternative to conventional dewatering
- » Drain connections remain closed during normal operation



# Configurations



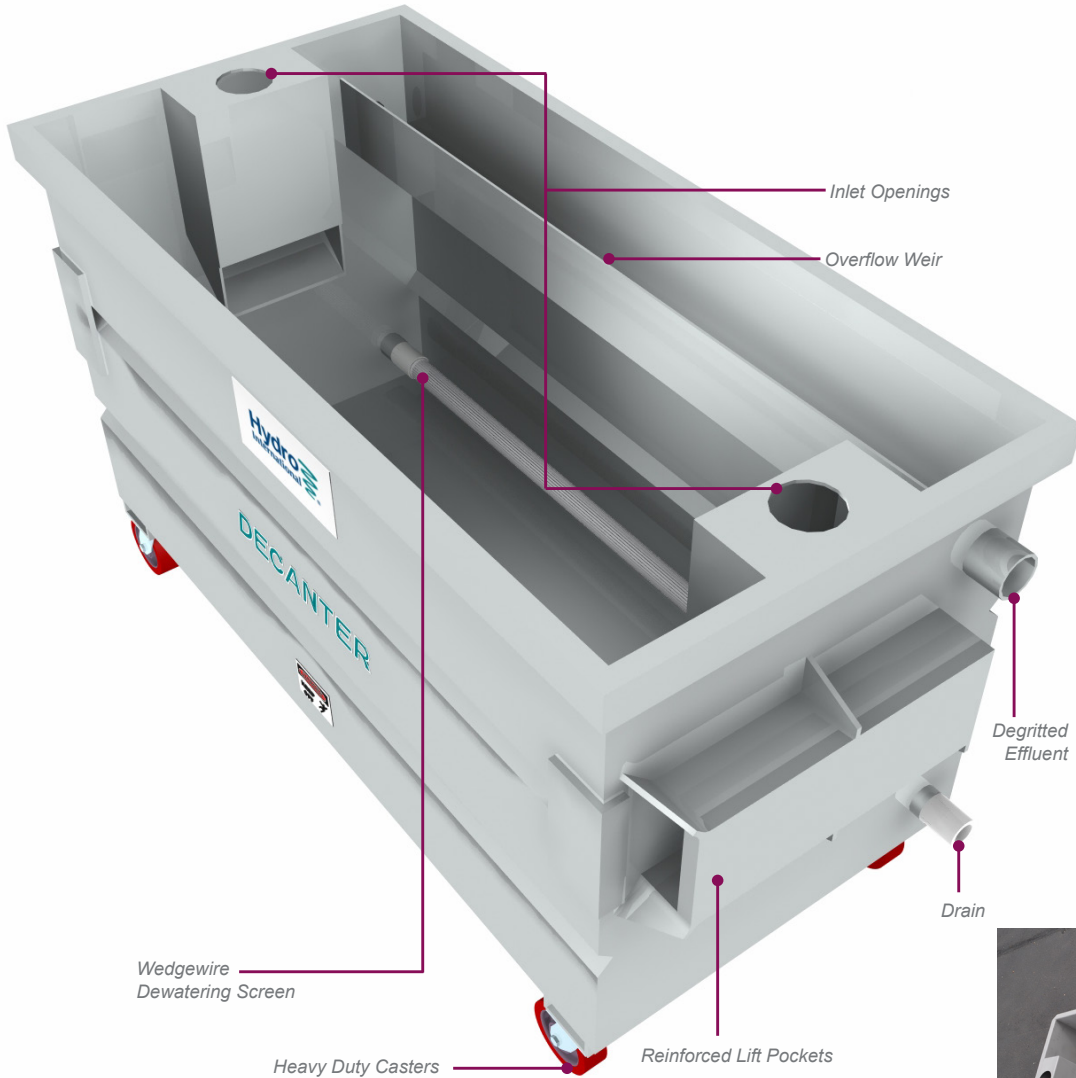
Front-Loading Decanter



Self-Dumping Decanter



Rear-Loading Decanter



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## Learn more

Visit our website to learn how the Decanter will protect your plant, reduce your operational costs, and improve the performance of your entire plant.

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