

Big dewatering performance for small plants.

## Technical Brochure - Product Profile

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

### Applications

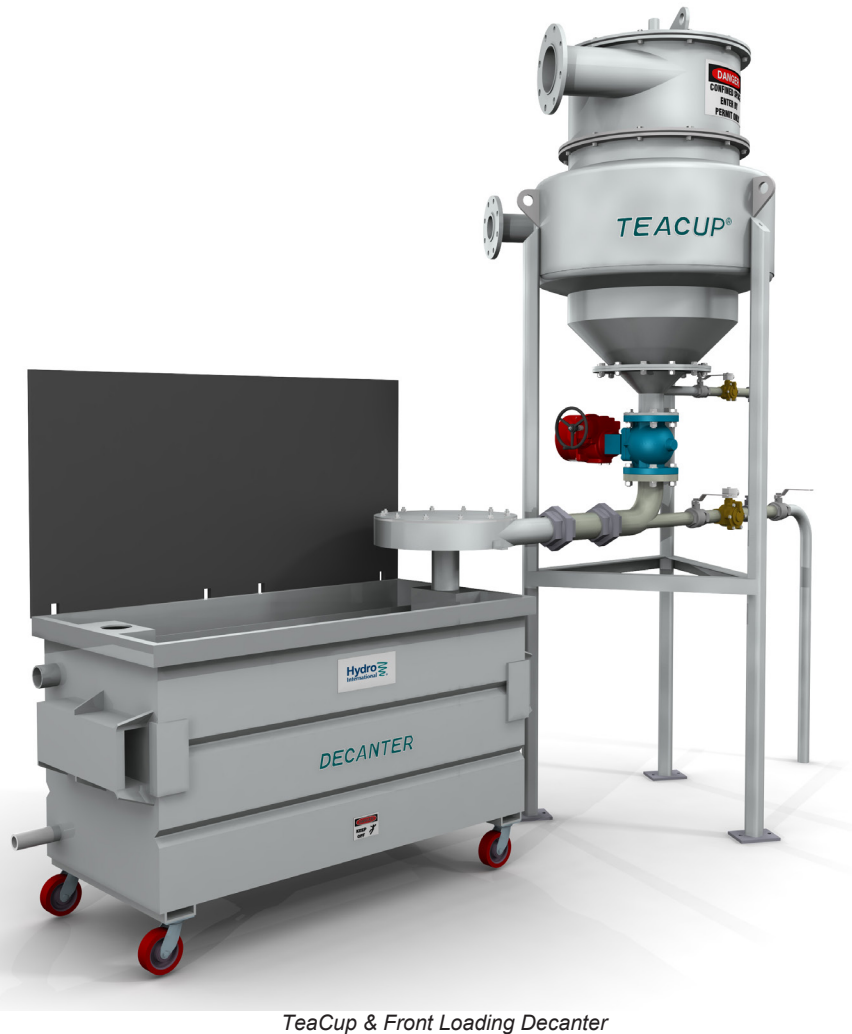
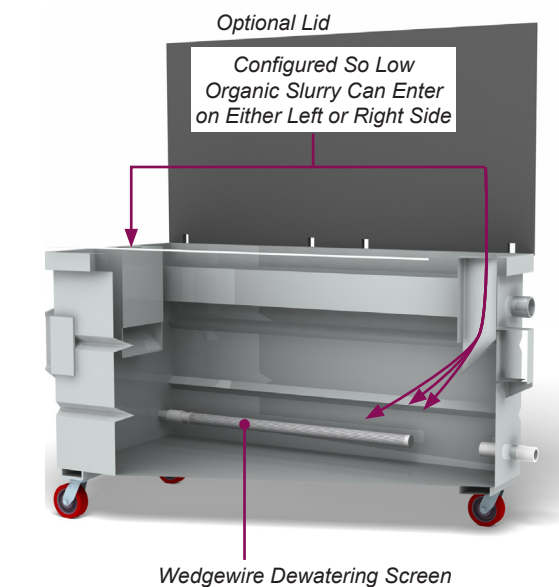
- Grit dewatering
- Dewateres grit output from a TeaCup<sup>®</sup> or Grit King<sup>®</sup> unit
- Suited for smaller plant dewatering - up to 7 Mgal/d (300 L/s) peak
- Industrial dewatering

### Advantages

- Outputs clean, dry grit - 60% total solids, and less than 25% volatile solids when used with Hydro technologies
- Durable hot-dipped galvanized construction ensures a long product life
- No power requirements
- Varied configurations to match various disposal trucks

### 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, dewatered 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.



## Configurations

Decanter units are available in the following configurations:



Front-Loading Decanter



Self-Dumping Decanter



Rear-Loading Decanter

## Cost-Effective Dewatering for Small Plants

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

## Design Notes

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

## Capacity

- 1.5 yd<sup>3</sup> (1.15 m<sup>3</sup>) capacity
- Multiple Decaners increase capacity

