

Our Solutions

Water & Wastewater Product Overviews



What We Do

We are a global company that provides advanced products, services and expertise to help municipal and industrial customers to improve the way they process, treat and manage water.

Advanced Grit Management®

Grit Separation

HeadCell®
Grit King®
TeaCup®

Grit Dewatering

Grit Snail®
SpiraSnail®
Decanter

Washing & Dewatering

Hydro GritCleanse™

Grit Washing / Classification / Concentration

SlurryCup™
TeaCup®
OpTeaCup™

Sludge Pre-Treatment

Sludge Degritting

SlurryCup™
Grit Snail®

Sludge Screening

Hydro-Sludge® Screen

Compact Grit Removal

Optimized for Small Plants

Grit King® Compact
SpiraSnail® Compact
Decanter

Wet Weather Solutions

Treatment

Storm King®

Flow Control

Hydro-Brake® Flow Control
Hydro-Brake® Drop

Potable Water

Advanced Grit Separation

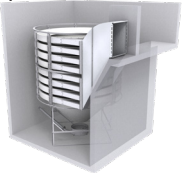
HeadCell®
Grit King®
TeaCup®

Advanced Grit Management®

We offer the **best guaranteed performance in the industry** with our Advanced Grit Management (AGM) systems, targeting grit 75 micron (µm) and larger throughout the entire grit separation, washing and dewatering process. AGM removes **85-95% of all grit** entering wastewater treatment plants.

Advanced Grit Separation

AGM begins with the unrivalled efficiency of our separation systems. Capturing 75 to 106 micron particles ensures the plant is protected from fine and slowly settling grit particles.



HeadCell®

Stacked Tray Grit Separation



Grit King®

Structured Flow Separation & Washing



TeaCup®

Grit Separation & Washing

Advanced Grit Washing

What's the point of capturing grit if it is lost during the washing and dewatering process? Our washing systems reduce volatile solids while retaining fine grit.



SlurryCup™

Grit Washing & Sludge Degritting



TeaCup® & OpTeaCup™

Grit Separation & Concentration



Hydro GritCleanse™

Combined Grit Washing & Dewatering

Advanced Grit Dewatering

Once volatile solids are removed quiescent dewatering retains even the finest grit and outputs clean dry grit ready for landfill.



Grit Snail®

Dewatering Escalator



SpiraSnail®

Dewatering Screw



Decanter

Dewatering Bin

Sludge Pretreatment

Advanced sludge management processes need protection from grit and debris. We offer robust sludge screening and dewatering solutions to **improve sludge quality and process efficiency.**



Hydro-Sludge® Screen
In-line Sludge Screen



SlurryCup™ / Grit Snail®
Sludge Dewatering

Potable Water Pre-Treatment

Increase potable water treatment efficiency by eliminating sand from water intake with our advanced grit separation systems.



HeadCell®
Stacked Tray



Grit King®
Structured Flow



TeaCup®
Free Vortex

Compact Grit Removal for Smaller Treatment Plants

Grit removal solutions designed for the treatment **needs, budgets, and space limitations of smaller wastewater treatment plants.**



Grit King® Compact
Performance in a Flexible Layout



SpiraSnail® Compact
Small Footprint Dewatering



Self Dumping Decanter
Batch Grit Dewatering Bin



Grit King® Compact
with **Decanter** Dewatering

Wet Weather Solutions

Wet Weather Treatment

Our advanced vortex technologies provide cost effective solutions for plants in CSO communities. The Storm King® provides **two unit processes in a single device.**



Storm King®
Primary Treatment & In-Vessel Disinfection

Wet Weather Flow Control

Our flow control solutions help control and alleviate flooding. Our valves reduce storage requirements and our controlled drops are **efficient, safe and quiet.**



Hydro-Brake® Flow Control
Vortex Flow Control



Hydro-Brake® Drop
Water Energy Dissipation

About Us

With over **40 years of experience** and a reputation for engineering excellence, businesses and public organizations all over the world rely on our products and services to reduce flood risk, improve water treatment and protect the environment from water pollution.

Pilot Equipment Available

We want to make sure that **our equipment solves your problems**, under your unique conditions and on your flows. We offer demonstration systems ready to run on-site to ensure that our equipment will meet your specific project needs.

Service That Stands Apart

We know that **downtime is not an option** at your plant. We stand behind our equipment with a team of dedicated operations, maintenance and parts specialists standing by to make sure your equipment is operating at **peak efficiency** at all times.

To learn how our equipment can save you money & increase your operating efficiency call 866.615.8130 or visit hydro-int.com today!