

GRIT CYCLONE

The Mavitec Grit Cyclone sets the industry standard for removing glass, stones, and other abrasive contaminants from organic liquid streams. Using high-efficiency centrifugal forces, it delivers superior separation performance and protects downstream equipment under all conditions.

- Extremely clean output
- Reduces wear on pumps, pipes and digesters
- Proven performance up to 21% dry matter
- High efficiency regardless of liquid temperature
- Heavy duty execution with compact size
- Available for both short- and long-term rental
- Plug-and-play solution

Capacity: up to 80m³ per hour

GRIT FREE
ORGANIC
SOUP



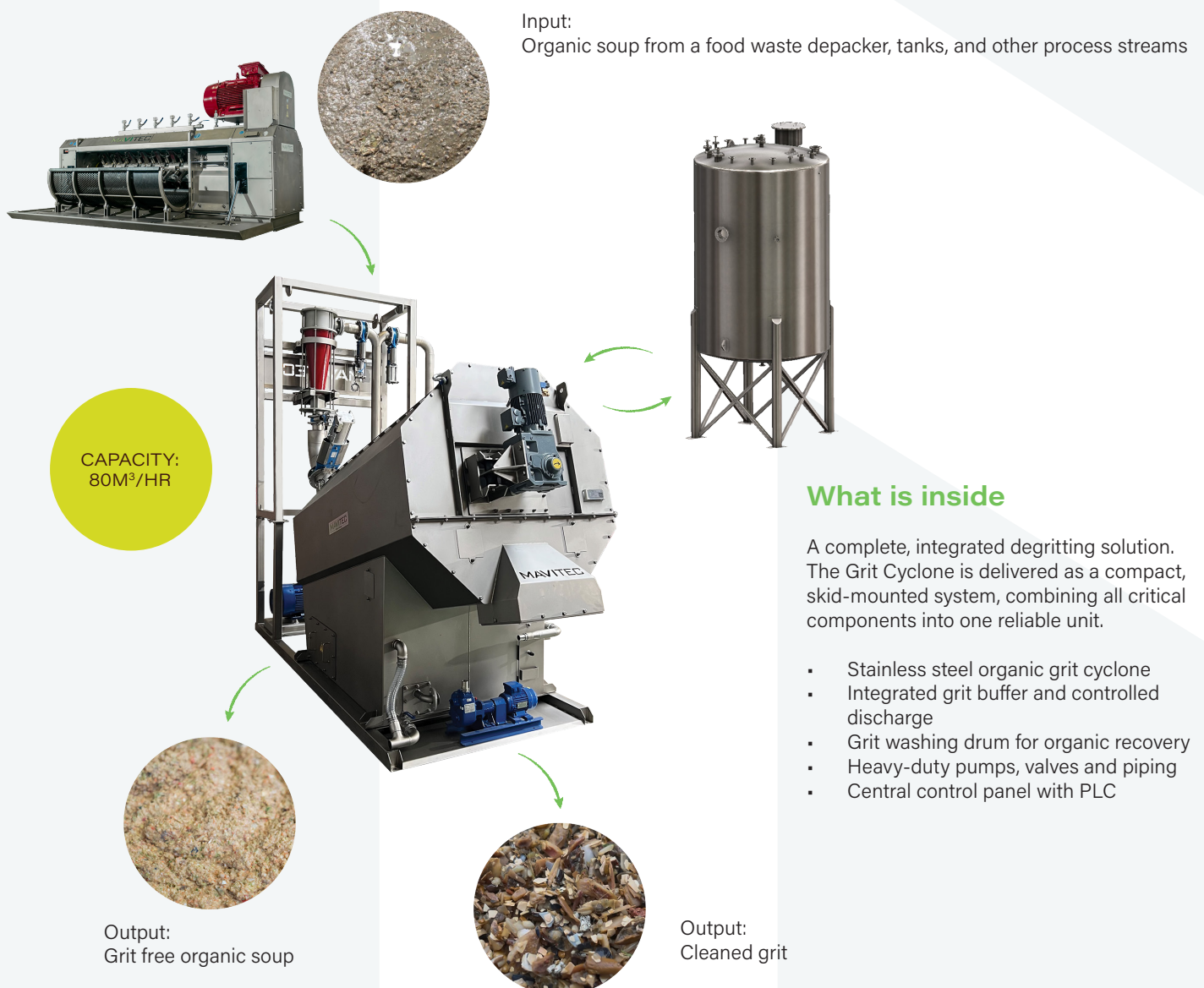
Designed to remove grit, built to protect your plant

The Mavitec Grit Cyclone removes stone, glass and other heavy contaminants from pumpable organic liquids after depackaging. By separating grit before downstream processing, the system protects critical equipment, reduces wear and increases plant uptime.

The result: cleaner organic soup, improved reliability and lower maintenance costs across the entire installation.

Turn organic soup into a reliable process input.

Grit Cyclone process flow





“The Grit Cyclone works robustly and reliably. We are very satisfied with its performance”
Olaf Martens - Plant Operator

Proven performance in the field

The Grit Cyclone has been tested, validated and installed in many operating plants. Performance is proven on real organic streams, including challenging feedstock with high grit content.

Customers confirm reliable operation, reduced wear and stable process performance over time.

Built for Real-World Operation

Food waste and organic streams vary continuously. The Grit Cyclone operates reliably under fluctuating feedstock conditions and protects critical downstream equipment.

By removing abrasive contaminants such as stone and glass early in the process, wear is reduced, maintenance costs are lowered and plant uptime is increased.

- Handles up to 21% dry matter
- High efficiency regardless of liquid temperature
- Reduces wear on pumps, pipes and digesters.
- Minimizes downtime and extends equipment lifetime



Test before you invest, proven on your material

To remove uncertainty, the Grit Cyclone can be rented as a dedicated test unit. Operators can evaluate performance on-site and gain confidence before committing to a full-scale installation.

Proven centrifugal separation technology. Efficient removal of stone, glass and other heavy contaminants using centrifugal forces. Designed for continuous operation on pumpable organic liquids with varying compositions.

Why it works:

- Separation based on particle density and size
- Optimized for organic soup from depackaging systems
- Multiple recirculation passes for maximum cleaning

Grit Cyclone rental skid unit

The Mavitec Grit Cyclone is available as a rental test unit, allowing on-site testing with your own feedstock under real operating conditions.

The unit can be fed:
From an organic storage tank
From a storage tank and directly from the depacker

Many successful tests have been executed, demonstrating stable operation and effective grit removal of up to 0.5–1.5 tons per day, including glass, stones and other hard contaminants.

Performance can be evaluated on grit removal efficiency, process stability, organic losses and impact on downstream equipment.

Testing is supported by Mavitec specialists, ensuring reliable results before full-scale investment.

Want to see more? See it in action

Discover detailed test results, customer applications and technical information on our website.

You can also scan the QR code to watch real-life test and installation videos on the Mavitec YouTube channel, showing the Grit Cyclone operating on real material under real plant conditions.

From on-site testing to full-scale operation, proven performance you can see for yourself.

For site visits contact sales at sales@mavitec.com

Scan the QR code to watch the videos, request a commercial offer or ask for more information.



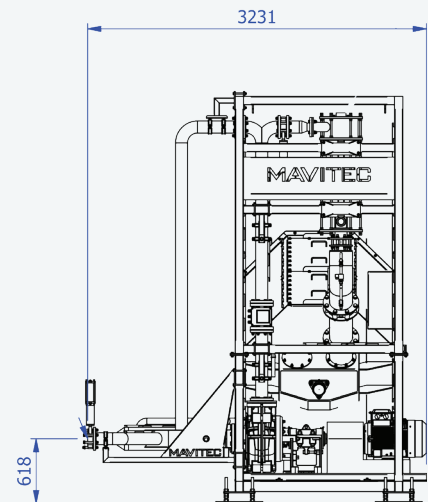
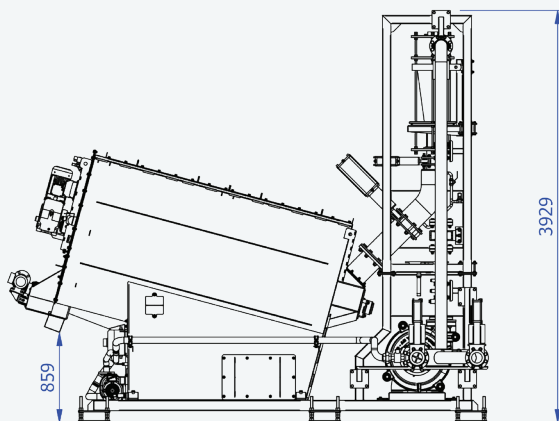
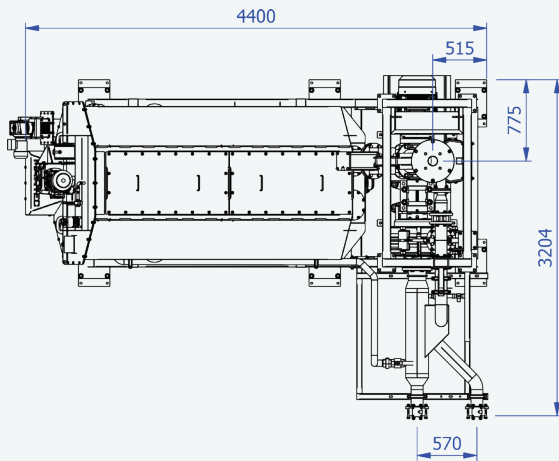
Section:
Degritting

GRIT CYCLONE



Output: clean grit

Model	Capacity m ³ /hr	Power kW	Weight kg	Length (A) mm	Width (B) mm	Height (C) mm
GC80	80	25	3750	4400	3231	3929



Features

- Extremely clean output
- Reduces wear on pumps, pipes and digesters
- Proven performance up to 21% dry matter
- High efficiency regardless of liquid temperature
- Heavy duty execution with compact size
- Available for both short- and long-term rental
- Plug-and-play solution
- Capacity: up to 80m³ per hour

Due to ongoing product improvements, data shown here is subject to change without notice.
Contact Mavitec BV for latest specifications.



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