

Product datasheet

KREBS® gMAX® Cyclones for fruit and vegetable wash water applications

You have unique needs for your fruit and vegetable washing process, and we have designed KREBS® cyclones with you in mind. These cyclones work using centrifugal energy to remove sand and grit from your process and wash water.

They have no moving parts and very low maintenance requirements. With the help of our cyclones, you can protect downstream processing equipment, reduce the contaminants in food, reuse wash water and lower your waste water disposal costs. Our high-efficiency separators meet your food grade requirements.

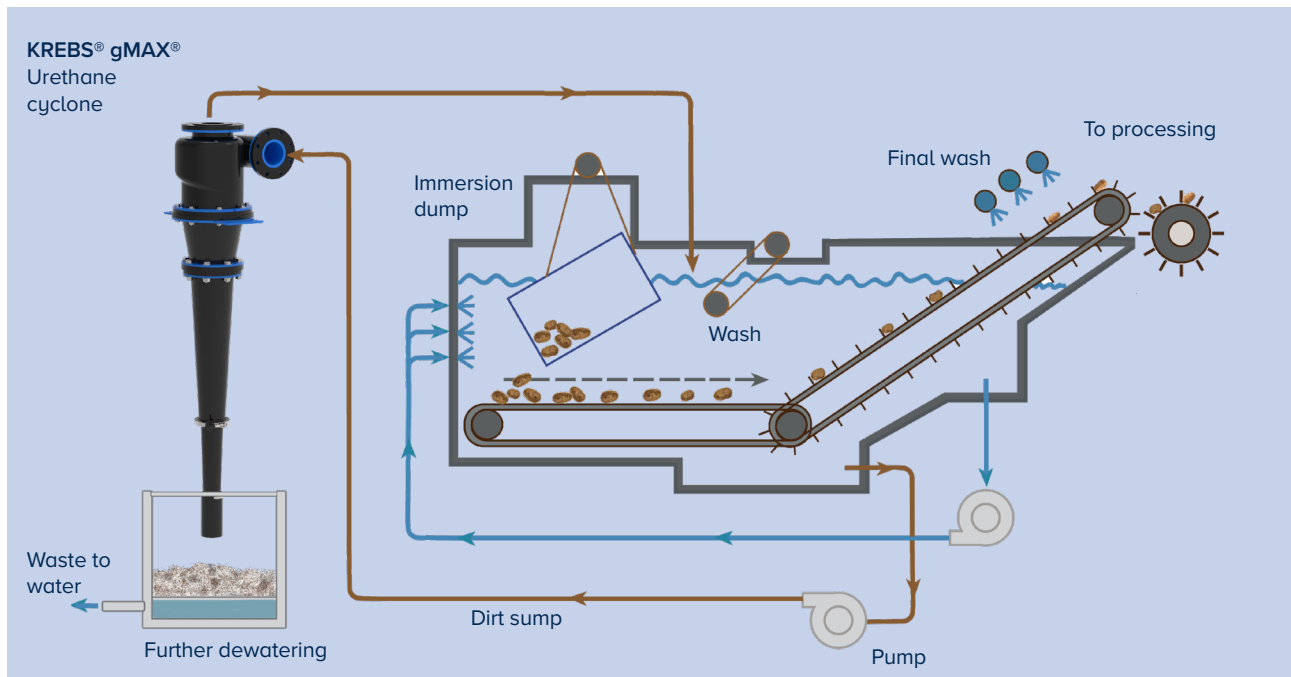
Benefits

- Low capital cost
- High capacity in a small footprint
- Very efficient separation
- No internal moving parts

Features

- Meet your food grade and FDA requirements
- gMAX® technology for maximum separation efficiency
- Wide range of urethane cyclone sizes to match your specific needs

Efficient separation solution with small foot print for your fruit and vegetable washing circuit



The washing circuit shown above is using a cyclone to remove dirt and other solids from the wash water. In this way, the wash water can be reused. The clean water moves from the cyclone overflow (top) to the wash, and the waste solids discharge from the underflow (bottom). For applications where the feed to the cyclone is expected to be lower than 500 ppm, a grit pot is recommended at the underflow to catch the solids and minimise the loss of water. The grit pot will be purged intermittently as solids build up within it. For applications with feed solids concentration greater than 500ppm, the underflow discharges continually.

Size and number of units: The size and number of cyclones for your process depends on how fine of a separation is required and how heavy the flow is. Our smallest cyclones can perform ultra-fine separations at as low as 10 microns, and the larger cyclones can separate at as low as 25 microns. Depending on its size, each cyclone can handle from 0.23–227.12 m³/hr (1–1000 gpm). The cyclones can be used individually or combined into a vessel or manifold to meet any flow requirements.

Construction materials

- Stainless steel
- Food grade and non-food grade Urethane
- Carbon steel with replaceable elastomer or ceramic liners
- Available in unlined carbon steel or other alloys

Service sets us apart

Our award-winning customer service sets us apart from other manufacturers. Our experienced sales and technical staff will maximise your system process and separation performance.

Lab Testing

Our full-service lab provides performance testing and customer specific testing of our separation and pumping equipment. We also utilize this facility for product development test work to ensure we are always providing our customers with the highest quality and cutting-edge separation technology.

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