



Product datasheet

KREBS® D series cyclones for Plastic recycling separation

Our range of KREBS® cyclones are designed for optimum efficiency and low cost, ensuring you can maximise the value of your process. They are available in a variety of sizes, with internal fittings and lining materials to suit every application requirement and budget. For this application, these cyclones are typically 10 in. diameter.

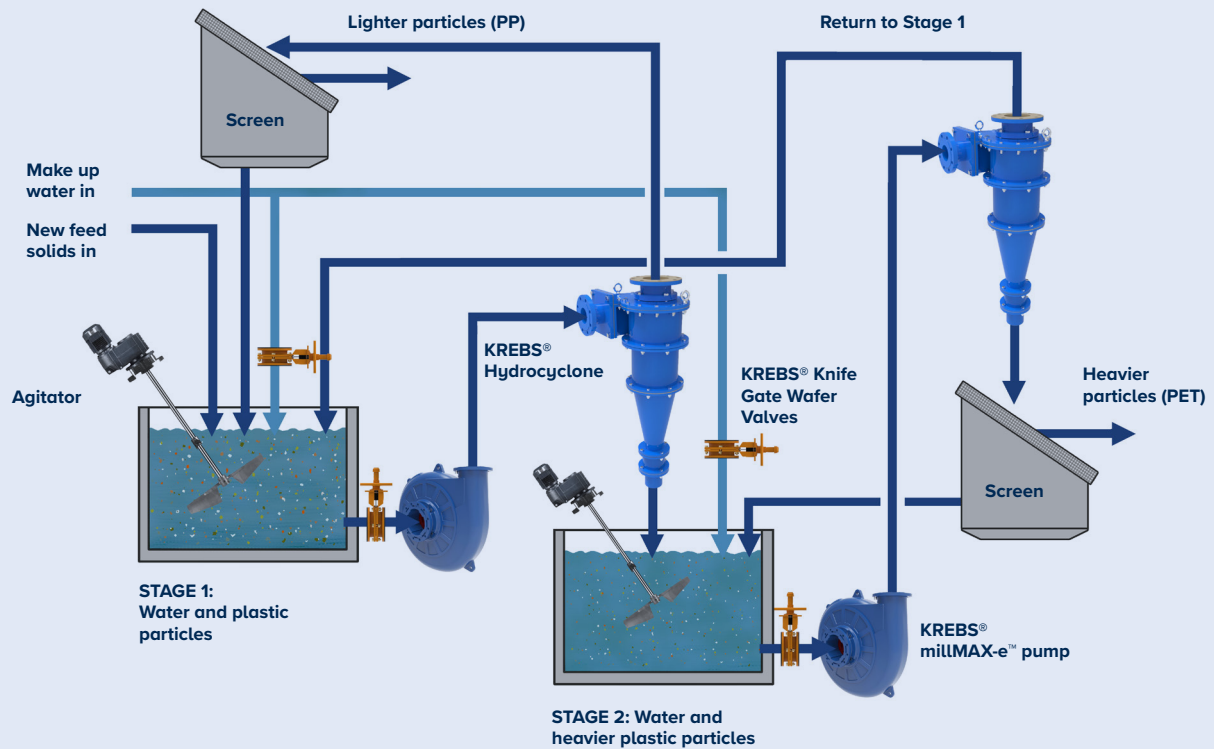
Simple, efficient separation of plastics and other materials enables you to reduce operational costs and increase the value of your plastics.

Benefits

- Lower capital costs and no moving parts
- Separates heavy trash from the plastics
- Separates different specific gravity plastics
- Increases the value of the plastics.
- High capacity in a small footprint
- Minimal maintenance required due no moving parts
- Efficient separation with relatively low power consumption

KREBS cyclones are used to separate floating from sinking plastics and also to remove glass, rocks, metal and other heavy trash from plastics. In order to achieve this, the plastic is chopped to about 0.25 in. and fed to the cyclones at 2% to 4% solids by weight.

KREBS® Cyclones for two-stage plastic separation in recycling applications



Plastics separation and heavy trash separation are carried out in two steps with two different models of cyclone. If you need very clean heavy and light plastic, a two stage counter current system can be added.

We offer a choice of elastomer or ceramic linings, both of which are replaceable. The choice of lining usually comes down to budget and preferred life of the unit. Ceramic liners tend to last 10+ years, while the elastomer liners last about 1 year.

Shredded plastic sample (photo right) was tested in our lab for our customer to determine cyclone size. We have the capability to perform separation tests to offer you the best cyclone for your separation needs.

We also offer KREBS® millMAX-e™ slurry pumps and Knife Gate Valves that can be installed as a complete package for your recycling process.



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