FLSmidth Krebs manufacturers different types of cyclones to meet the customer’s specific requirements. Each model of cyclone is available in a range of sizes and lining materials. We provide many different options for the internal fittings to optimize the performance for every application.

*Krebs® Cyclones* have been used to separate floating from sinking plastics and also to remove glass, rocks, metal and other heavy trash from plastics. The plastic is chopped to about 1/4” and fed to the cyclones at 2% to 4% solids by weight.

The plastics separation and the heavy trash separation are done in two steps with two different models of cyclone. If very clean heavy and light plastic is required than a stage counter current system can be used.

The typical cyclone size that is used in this application is 10” diameter. FLSmith Krebs offers units that are lined with elastomers or ceramic. The liners are replaceable. The choice of the lining material is dependent on the budget constraints and the customers preferred life of the unit. Ceramic liners tend to last 10 years while the elastomer liners last about 1 year.

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**KREBS® CYCLONES DELIVER**

- 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
- Efficient separation with relatively low power consumption
- Minimal maintenance requirements or internal moving parts
Krebs Products for Two Stage Plastic Separation in Recycling Applications

STAGE 1: Water & Plastic Particles
- Make Up Water In
- New Feed Solids In
- KREBS Technoquip Wafer Valve
- KREBS Hydrocyclone
- KREBS Technoquip Wafer Valve & millMAX Pump
- Screen
- Lighter Particles (PP)
- Return to Stage 1

STAGE 2: Water & Heavier Plastic Particles
- Heavier Particles (PET)
- KREBS Hydrocyclone
- KREBS Technoquip Wafer Valve & millMAX Pump
- Screen
- New Feed Solids In

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