

FLSmidth Krebs produces different types of Cyclones to meet the customer's specific requirements. Each type of Cyclone comes in different sizes with different internal fittings to optimize the performance for every application. Krebs Cyclones have been used to remove glass shot from rock wool fibers and glass fibers. The shot is beads of rock or glass that form when the fibers are being spun. By removing the shot, the quality of the fiber material is improved. Typical cyclone sizes that are used in this application range from 10" to 26" diameter. Krebs offers units that are lined with replaceable elastomers or ceramic. The choice of the lining material is dependent on the budget constraints and the customer's preferred life of the unit.

Quite often multiple units are manifolded together in parallel. Using smaller diameter units produces a finer separation but more units are required to handle the large flow rates.

Units with a continuous underflow discharge or units with an accumulator tank are available. The continuous discharge is typically used if the shot loading is relatively high. These cyclones can be set up in a two or three stage counter current operation to maximize the recovery of fiber. The units with accumulator tanks are typically used if the amount of shot is relatively low. The shot accumulates in the accumulator tank and is discharged periodically. By having a closed underflow the fiber is forced to the overflow and fiber losses are very low. The discharge of the accumulator can be automatically set up on a timed basis.

Standard materials of construction are carbon steel with replaceable silicon carbide ceramic liners. If needed, other materials of construction are also available as well as units that are designed and built to ASME code, Section VIII, Division I.



FEATURES & BENEFITS

- ▶ Low capital cost and no moving parts
- ▶ Wide range of Krebs Cyclones
- ▶ High capacity in a small footprint
- ▶ Efficient separation with relatively low power consumption
- ▶ Removes shot that could damage or plug downstream equipment and lower the value of the fiberglass
- ▶ Krebs Cyclones can be designed to any specification and from any alloy to meet the customer requirements

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