



Product datasheet

KREBS® Hydrocyclones for plant intake water process

KREBS® Cyclones and desanders are commonly used to remove sand from well water, rivers, lakes or the ocean. Removing the sand prior to filtration and settlers reduces maintenance and chemical usage in downstream equipment.

We produce different types of cyclones and desanders to meet your specific requirements. Each model comes in different sizes with different internal fittings to optimise the performance for every application. Sizes range from 1 in. diameter up to 30 in. diameter.

Options include units that are unlined, lined with vulcanized gum rubber, or lined with replaceable gum rubber liners, depending on your budget constraints and preferred life of the unit.

All of our units have a cone section that accelerates the rotational velocity of the water, thus producing higher centrifugal forces as the diameter gets smaller. This enables us to deliver finer separations and/or greater solids removal. Quite often, multiple units are part of a manifold system clustered together in parallel. Using smaller diameter units produces a finer separation, but more units are required to handle the large flow rates.

Standard materials of construction are carbon steel (with gum rubber lining) and urethane. 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.

FLS

KREBS Hydrocyclone Manifold



For very fine separations, down to about 5 microns, multiple numbers of small diameter alumina ceramic cyclones are installed in vessels that can be made to any required specification.

KREBS millMAX™ pumps are ideally suited to feed cyclone clusters in the removal of sand from the plant intake water process.

Benefits

- Low capital cost and no moving parts
- Removes sand and grit that could damage or plug downstream equipment
- Efficient separation with relatively low power consumption
- Wide range of KREBS Cyclones and desanders sizes to meet your needs, from 1 in. through 30 in. diameter.
- Reduces maintenance and chemical costs.
- Flexible design to your requirements.

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