

CENTRI-SIFTER® Centrifugal Screeners



Centrifugal Screener

Sifts, scalps, de-lumps, dewateres at high rates

The CENTRI-SIFTER® centrifugal screener separates solids from solids or slurries at high rates. Rotating helical paddles accelerate the flow of on-size particles or liquids through a cylinder of woven nylon monofilament or stainless wedgewire screen, while breaking up soft agglomerates and screening difficult-to-handle materials. Offered with numerous anti-blinding devices. Access door allows rapid inspection, wash down and screen changes. Belt-driven and direct-driven units available to industrial, 3A, FDA and BISSC sanitary standards, and in low-profile and twin configurations.



Quick-Clean Centrifugal Screener

Allows rapid removal of components for thorough cleaning, maintenance

The Quick-Clean CENTRI-SIFTER® centrifugal screener features a three-bearing shaft that cantilevers on the inboard bearing when the hinged end cover is opened, allowing fast, easy removal of internals for cleaning and screen changes. During operation, the shaft rides on both end bearings for vibration-free screening, even at high speeds and under heavy, imbalanced loads. Ideal for food, dairy, pharmaceutical and other contaminating-sensitive materials, and applications involving frequent screen changes.



CENTRI-SIFTER® 3-A Dairy Centrifugal Screener

Disassembles rapidly with no tools

This Kason CENTRI-SIFTER® centrifugal screener features a three-bearing shaft that cantilevers on the inboard bearing when the hinged end cover is open, allowing rapid, tool-free removal of the internals for wash down and screen changes. Closing the end cover locks the screen in place (eliminating the need for threaded studs and nuts) and re-inserts the shaft into the end bearing (ensuring vibration-free operation). Intended for food, dairy, pharmaceutical and chemical applications requiring thorough wash down, frequent screen changes or runs of multiple materials.



PNEUMATI-SIFTER Centrifugal Screener

Screens in-line with pneumatic conveying systems at high rates

The CENTRI-SIFTER® PNEUMATI-SIFTER centrifugal separator de-lumps and screens materials in-line with dilute-phase pneumatic conveying systems, eliminating the need for cyclone separators and rotary air locks. Rated for positive pressures to 14.7 psig (1 barg) or negative pressures to 14-in. (356 mm) Hg. Rotating helical paddles continuously propel on-size material through apertures in a horizontally-oriented cylindrical screen. Oversize particles are ejected from the end of the screen cylinder, through a manual or automatic valve into a sealed, quick-release receptacle.



Centrifugal Screener with Bag Dump Station

Scalps materials dumped manually while containing dust

Kason CENTRI-SIFTER® centrifugal screeners are available with an integral bag dump station and dust collector to remove bag scraps and other oversize contaminants from manually dumped bulk materials while protecting the operator and plant environment against dust contamination. Configured for installation on a mezzanine, the system gravity-discharges into process equipment below. Dust is drawn onto cartridge filters that derive vacuum from a top-mounted exhaust fan, while pulse jet nozzles cause accumulated dust to fall into the screener.



Centrifugal Dewatering Screener

Extracts more moisture than conventional screeners

Adjustable, inclined CENTRI-SIFTER® centrifugal dewatering screeners feature a low-pitched internal feed auger that moves high loadings of material into and through the inclined screen cylinder. This allows the unit to be inclined up to 40° as rotating paddles impart centrifugal force, moving the material in a spiral path through the cylinder. The incline increases dwell time of material within the chamber and the drainage rate of free liquid, while causing moisture to remain near the downhill inlet, resulting in greater dryness of discharged solids.



Miniature Centrifugal Screener

Screens small batches of contamination-sensitive products

This Miniature CENTRI-SIFTER® centrifugal screener scalps, dedusts, delumps and dewateres small batches of pharmaceutical powders, powder coatings, bulk foods, and other contamination-sensitive products, and disassembles rapidly for thorough screen changes, inspection and wash down. In less than one minute and with no tools, the end plate, screen and paddle assembly can be removed, providing access to sanitize all material contact surfaces. Constructed of stainless steel and finished to FDA as well as 3-A, BISSC and other standards.

