



Product datasheet

KREBS® DeSanders for cooling towers and heat exchangers

Have you noticed that your heat exchanger costs more to run and is not as effective as it used to be? Whether you are running a cooling tower, chiller or evaporative condenser, the water and air deposit debris over time. These particles build up until they interrupt the system's ability to transfer heat, cause corrosion and potentially clog the water lines.

Our Solution

Our compact KREBS® DeSander skids are extremely efficient in removing dirt, limescale and other solids from your standard or specialty heat exchanger. Because we keep your needs in mind, our DeSander skid uses a pump, valve and DeSander that are highly efficient and low maintenance.

Our DeSanders are designed to meet your process needs and specifications.

Key Benefits

- Low capital cost in a small footprint
- Efficient separation with low power consumption
- Removes solids to protect cooling towers, chillers and evaporative condensers
- Reduces corrosion
- Low maintenance costs
- Simple installation

Optimal separation – protecting valuable equipment

How it works

The DeSander circulates water from the heat exchanger and discharges the clean water (overflow) back into the system. If needed for your system, a manifold of stream jets can be attached to the overflow to help transport solids to the pump section. All of the removed solids drop into an accumulation chamber, and are intermittently discharged on a timed basis.

Tailored to your needs

We work with you to custom-design a DeSander skid or cyclone vessel that optimises the performance of your cooling tower, chiller or evaporative condenser.

- The diameter can range from 25–762 mm (1–30 in).
- DeSander internal fittings vary based on your application.
- For standard separation applications, our DeSanders remove solids down to approximately 45 microns, depending on the flow rate and size of the unit.
- For fine separation applications, we supply vessels that contain multiple small-diameter cyclones. Our vessels can remove solids down to approximately 10 microns.
- We provide a strainer in front of the DeSander to protect it from stray large solids such as rags and other debris that may end up in the cooling tower.
- We offer solids dewatering bins with permeable polyethylene bags that dewater the sand purged from the DeSander to approximately 95% solids by weight.

Skid Dimensions for DeSanding Units (*Imperial*)

MODELS	CTD200	CTD500	CTD1000	CTD1500
Flow (gpm)	200	500	1,000	1,500
Height (in)	85	90	92	106
Width (in)	45	45	60	60
Length (in)	55	55	71	71

Skid Dimensions for DeSanding Units (*Metric*)

MODELS	CTD200	CTD500	CTD1000	CTD1500
Flow (m ³ /hr)	45.4	113.6	227.1	340.7
Height (mm)	2159	2286	2337	2692
Width (mm)	1143	1143	1524	1524
Length (mm)	1397	1397	1803	1803

Service sets us apart

Our award-winning customer service sets us apart from other manufacturers. From our experienced technical staff that will maximise your system process performance to our mechanical support team that will keep your process running smoothly, we are here, putting more than 60 years of solutions excellence to work, to help you with your industrial application challenges.

Talk to our desanding experts for more information about how we can customize our DeSander skid or cyclone vessel to meet your needs.

Learn more about KREBS® DeSanders, Slurry Pumps, Hydrocyclones and Knife Gate Valves.

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