



## VIBRA-FIN™ BULK MATERIAL COOLER / CONDITIONER

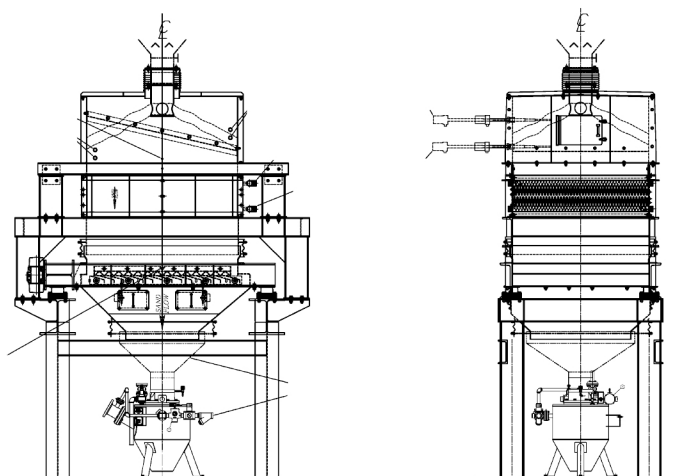
► Uniquely flexible for a wide range of continuous processing needs, GK's VIBRA-FIN™ Indirect Sand Cooling units are ideally used for heating and cooling foundry sand or other free flowing bulk materials. VIBRA-FIN™ Sand Coolers are available in a variety of configurations, and utilize vibratory agitation while passing a heat exchange medium through the material bed to indirectly heat or cool material.



### FEATURES :

- Cool continuous hot material flow streams indirectly with counter flow cooling medium.
- Stainless steel, abrasion resistant and other construction options for contact materials.
- Dynamic balancing and Isolation available.
- Variable flow rate option to modulate residence time where required.
- Sealed feed and discharge connections eliminate the need for dust collection.
- Once through or recirculation of the cooling medium.
- Cooling Towers and Refrigeration available for recirculated cooling medium.
- Totally enclosed heat exchanger for continuous processing.
- Easy to maintain, self cleaning design.

# CAD Example



## Specs

|                               |   |
|-------------------------------|---|
| <b>Function:</b>              | Cooling / Heating   |
| <b>Components:</b>            | Electric Motors, Isolation Springs, Steel Construction                  |
| <b>Construction Material:</b> | Abrasion Resistant Steel, Mild Steel                                    |
| <b>Power Requirements:</b>    | (2) 0.5 HP (0.37 kW) - (2) 3 HP (2.24 kW)                               |
| <b>Width:</b>                 | Design per application  |
| <b>Length:</b>                | Designed per application  |
| <b>Capacity:</b>              | Up to 300 tons per hour   |
| <b>Analysis:</b>              | Fatigue, FEA, Stress  |
| <b>Finish:</b>                | Painted   |
| <b>Production Volume:</b>     | Built to Order  |
| <b>Benefits:</b>              | Efficient, Low Maintenance, Reliable, Rugged, Safe Operation            |
| <b>Secondary Services:</b>    | Customer Support, Field Service, Additional Features, Stroke Monitoring |
| <b>Quality:</b>               | ISO Certified   |

## Application Photos

