Benefits

- Excellent heat transfer thanks to the turbulence of the fluidised sugar particles around the cooling surfaces
- Additional drying capability
- Small footprint
- Fluidised bed technology
- High throughput ≥ 100 t/h
- Suited for installation in tropical climates
- Constant sugar outlet temperature with controlled cooling water temperature
- Only small amount of air required
- Energy savings by using the exhaust air in upstream drying units
- Dust separation
- Low maintenance

The new VFC – Vertical fluidised-bed conditioner is an attractive compact solution for your sugar cooling needs.

The VFC was designed to deliver an outstanding sugar cooling and complimentary drying performance. Its excellent conditioning capabilities make the VFC the perfect process step before sugar storage. The efficient operation and compact design make it suitable for new factories as well as for production increases in existing drying / cooling units.

It is also a standalone solution that can be used to improve the sugar conditioning after curing and before loading to improve handling and transportation characteristics by avoiding lump formation.

The VFC is based on the well established fluidised bed technology. Sugar crystals trickle downwards in between internal cooling coils and are kept fluidised by a low counter-current cooling air flow.

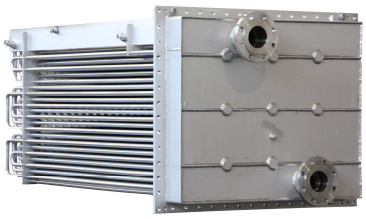
Carrying off the residual sugar moisture with a small amount of dehumidified air makes the VFC a perfect tool in tropical climates

The applicable size of the VFC is determined by the sugar throughput, the sugar inlet temperature, the required sugar outlet temperature and the cooling water temperature.

VFC Series

Width	2000 mm
Length	1800 mm
	Total height
VFC 16/2	5360 mm
VFC 16/3	6320 mm
VFC 16/4	7280 mm
VFC 16/5	8240 mm

VFC 16/4



Internal cooling coils unit

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