

Eurochiller ABF EVO

Stand-alone direct air cooling with inverter control for ultra-precise temperature control

**EURO
CHILLER**[®]
INTERNATIONAL COOLING

Cooling coils are an important component in achieving the highest possible production rate from a cooling system.

By chilling the air going to the an IBC or an air ring, an increase in production rate of 15-25% can be achieved when compared to using air that is at the ambient plant temperature. This benefit has added importance when the production occurs in climates where the ambient temperature varies a significant amount or where the summertime temperatures are very hot.

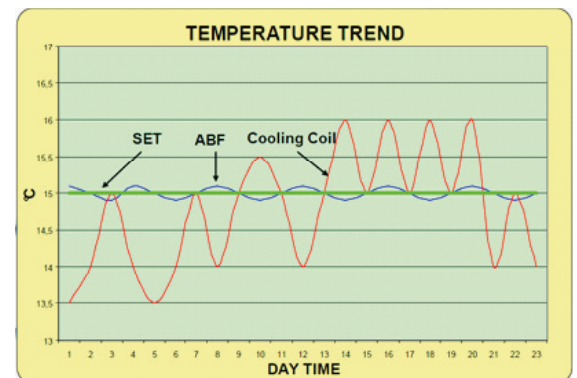
The ABFevo is a dynamic air chiller that uses the direct expansion of gas and an inverter controlled compressor to regulate the temperature of process air.

The inverter is able to increase or decrease the flow rate of refrigerant which helps to regulate the cooling of the process air. The two way temperature control of the inverter is assisted by an electric hot gas bypass valve. This enables a PID loop that boasts a +/- 0.2°F (0.1°C) tolerance.

The ABFevo has integration options and a 7" touchscreen control. This allows alarm monitoring of air and condensing water temperatures, as well as a differential pressure sensor that can sense a clogged filter. Filters are located for easy access.

The ABFevo is a chiller solution for customers who want to improve gauge variation and control by eliminating variance in cooling temperature as a factor.

As the North American rep for Eurochiller, DRJ supplies, sizes and services this excellent solution for adding or upgrading existing cooling capacity.



ABF EVO Inverter

- (+/-) 0.20°F/0.1°C temperature variation
- Improved energy efficiency (55% reduction over chiller + coil)
- Inverter control of condenser unit (reaches set point quicker)
- Drip separator for moisture control
- 7" color touch screen interface
- ABF Due for separate temp. control (i.e. IBC & air ring)
- Cools air directly (energy savings) – no cooling coil necessary
- Product line airflow ranges: 470 - 5,885 CFM (800-10,000 M³/Hr)



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