⁛ icepoint®

Agile Freezing + Dehumidification

Rebound's IcePoint system adds agile freezing and moisture control to fixed capacity vapor compression systems. IcePoint provides unprecedented thermal agility to quickly and effectively deliver on-demand bursts of refrigeration while inherently removing moisture from the facility. IcePoint is a skid-mounted system that integrates easily into a facility with no integration to critical ammonia infrastructure.

Storage & Distribution   **Food Processing**   **Continuous & Batch Freezing**

FEATURES	BENEFITS
AGILE FREEZING	Add dynamic cooling capability to your fixed capacity equipment to meet ever fluctuating blast freezing schedules. Increase cooling response times for increased productivity, throughput and revenue. Ramps between ~30-140 TR without part-load penalties to deliver strategic bursts, ideal for accelerating freezing processes, recovering from washdown and maintaining temperature setpoints.
DEHUMIDIFICATION	IcePoint's inherent dehumidification properties are due to the fact the brine has an affinity for water resulting in up to 20 gallons of water per hour removed from the facility.
NO ADDITIONAL AMMONIA	Enables both environmental compliance and worker/product safety by not requiring additional ammonia or ammonia tie ins. IcePoint's Freeze Point Suppression cycle uses a natural, non-toxic, non-corrosive brine as the refrigerant.
SUCTION TEMPERATURE	Controllable between 0°F and -25°F.
PACKAGED SYSTEM AND INTEGRATION	Avoids expensive engine room re-design and extended facility disruptions via placement outside the facility. Integrates into the facility with simple ductwork and conditions the space's air.
LOAD SHIFTING	The stored -25°F brine acts as a thermal battery and can be used as a demand response asset to lower demand charges and potentially can qualify for utility rebates and/or Inflation Reduction Act tax credits.
ELECTRICAL REQUIREMENTS	480V/170A/3 phase + up to 70kW of power consumption
FOOTPRINT	One outdoor rated skid (~12'Hx12'Wx40'L)

+ Productivity + Throughput + Revenue

°**Rebound**Technologies