



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	<p>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.</p> <p>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.</p>
DEHUMIDIFICATION	<p>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.</p>
NO ADDITIONAL AMMONIA	<p>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.</p>
SUCTION TEMPERATURE	<p>Controllable between 0°F and -25°F.</p>
PACKAGED SYSTEM AND INTEGRATION	<p>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.</p>
LOAD SHIFTING	<p>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.</p>
ELECTRICAL REQUIREMENTS	<p>480V/170A/3 phase + up to 70kW of power consumption</p>
FOOTPRINT	<p>One outdoor rated skid (~12'Hx12'Wx40'L)</p>

+ Productivity + Throughput + Revenue