



Just Chill

MaximICE[®] Slurry Ice Systems

CHILL YOUR CATCH QUICKLY AND EFFICIENTLY

The Latent Liquid Energy™ of MaximICE slurry ice crystals are ideal for rapid chilling and preservation of fish. Smooth microscopic ice crystals flow easily through distribution piping, lifting and surrounding the fish, and provide maximum heat absorption. With over 4.9 million sq.ft. of surface area per cubic meter, the latent energy of slurry ice has tremendous capacity to absorb heat and chill the fish quickly and efficiently without causing freezing or freezer burn. It ensures rapid cooling to the fish core and precise final temperature which results in better product quality, longer shelf life and premium pricing.

VARIABLE-STATE ICE:

Benefit from the flexibility of 0~100% ice fraction, utilizing sea water or brine solution to provide a wide range of applications, temperatures and salinity levels.

PUMPABLE:

Reduce your labor costs while improving preservation in packing and processing by pumping the slurry directly to the point of use.

ENERGY SAVINGS:

The MaximICE Orbital Rod Evaporator is the most energy efficient slurry ice generator available, bar none. It achieves 25%~30% greater efficiency than tube-in-tube wiped surface ice generations and over 30% greater efficiency than flake ice makers. With this level of efficiency a MaximICE Slurry Ice system is a really good business decision.



Latent Liquid Energy™

MaximICE[®]

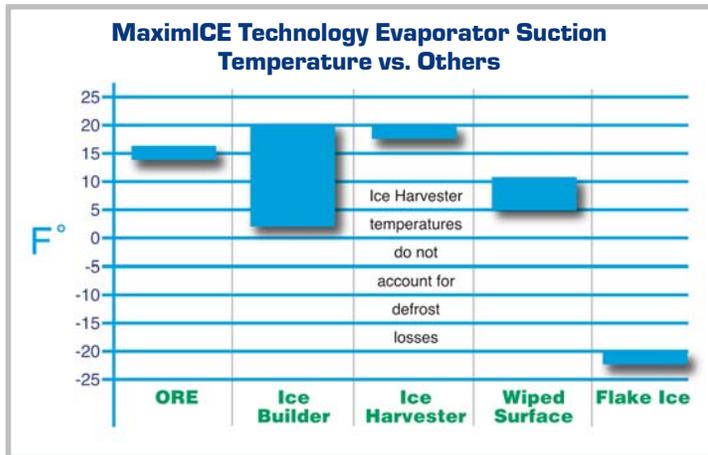
slurry ice technology provides superior ice and superior efficiencies for superior savings

Save with Improved Preservation:

MaximICE slurry ice crystals are formed in solution under high agitation, creating a tiny, rounded crystal which is easy on the product and prevents discoloration, unlike flake ice, shell ice, or cracked ice which has jagged edges. Additionally, slurry ice holds core temperatures consistently lower and longer than flake ice.

Save with Energy Efficiency:

With a Coefficient of Performance (COP) of 3.0 the Orbital Rod Evaporator (ORE) tops the list for energy efficiency. Having a constant high suction temperature of approximately 16°F (-8.8°C) it produces 1 ton of refrigeration using 1~1.2 kW of energy.

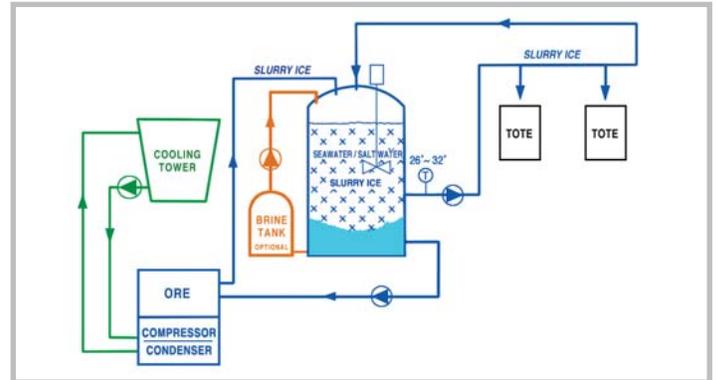


Save with Easy, Efficient Ice Distribution:

Pumping the ice slurry directly to multiple points of use ensures high levels of sanitation and reduces labor in both delivering and clean up of the ice.

Save with System Design Flexibility:

The compact modular MaximICE[®] ORE packages have a very small footprint, especially in large capacity applications, providing the ideal solution for renovation/expansion projects. Save space in crowded mechanical rooms by locating condensing packages and/or ice storage tanks to remote locations.



Save with simplified Ice Storage Tanks:

Slurry ice can be produced in off-peak hours, pumped into simple insulated storage tanks of almost any geometry for use throughout production hours.

Save with Flexible Capacities:

Capacities range from 3 ton to 800 ton systems, providing extreme system sizing flexibility.

MaximICE MODEL (1)	CAPACITY – TONS (KW)		EVAPORATOR DIMENSIONS (2) Inches (mm)
	RANGE: R-22(3)	MAX: NH3	
ORE-3	3 (11)	N/A	30 x 19 x 66 ^{1/2} (1,473 x 1,168 x 2,210)
ORE-25	15 ~ 33 (53 ~ 116)	24 (84)	58 x 46 x 87 ^{1/2} (1,473 x 1,168 x 2,210)
ORE-50	35 ~ 65 (123 ~ 229)	42 (148)	70 x 58 x 87 ^{1/2} (1,778 x 1,473 x 2,210)
ORE-100	70 ~ 130 (246 ~ 457)	87 (305)	94 x 78 x 96 ^{1/2} (2,388 x 1,981 x 2,439)
ORE-200XL	140 ~ 260 (492 ~ 914)	186 (654)	170 x 90 x 92 ^{1/2} (4,318 x 2,286 x 2,337)
ORE-300XL	265 ~ 390 (932 ~ 1,372)	280 (985)	223 x 90 x 94 ^{1/2} (5,664 x 2,286 x 2,337)
ORE-400XL	400 ~ 520 (1,407 ~ 1,829)	375 (1,319)	265 x 92 x 107 ^{1/2} (6,731 x 2,337 x 2,718)

(1) MaximICE units are offered in these standard sizes. Multiple units can be combined on a skid for larger capacities.
 (2) XL Models include water cooled condenser in addition to low pressure receiver which is standard on all models.
 (3) R134a and R507 can also be used and are similar in capacity range. For other refrigerant applications please consult the factory.



ORE-25



ORE-300XL

APPLYING INTELLIGENT ENERGY

IceSynergy Inc., 4724 W. Farm Rd 130, Unit 100, Springfield, MO 65802 USA • 417-863-9602 • Fax: 417-863-8755
www.IceSynergy.com