MODULAR FRAGMENTED ICE SYSTEMS

MCLA (Modular C-Line Ammonia)

Single Modular with End Panel Kit

Modular Skid Package (4)

The Vogt Turbo MCLA (Modular C line Ammonia) uses a water defrost, water pre-chill operation instead of hot gas for the defrost harvest cycle. Individual modules produce 13 to 19 tons per day of 1/4" to 3/4" fragmented ice which is dry to touch and immediately ready to package or use.

These modules can be assembled in a programmed sequenced array with a master panel to produce ice over 250 tons per day.

MCLA Standard Features:

- Ammonia Operation on Central Plant or Dedicated System
- Aluminum Stucco Embossed Front and Rear Panels
- Voltage - 230v or 460v.,3p.,60hz. Power
- Voltage - 120v.,1p.,60hz. Controls
- Allen Bradley Micrologics PLC
- Stainless Steel Evaporator Piping
- Stainless Steel Upper and Lower Frame

MCLA Options:

- Voltage - 400v.,3p.,50hz. Power
- Voltage - 575v.,3p.,60hz. Power
- Stainless Steel Front and Rear Panels
- End Panel Kit (aluminum or stainless)
- Power monitor (for 60hz.)
- AB Ethernet Interface Module
- Split Crating for Container/LTL Loading
- Canadian Registration Number (CRN)
- Export crating (ISPM-15 Rated)
- Automation Direct PLC (Module only)
- RS Control Valves
- Base Frames / Headers for Skidding up to 6 Modules
- Master Panels for Control of up to 18 Modules
- Hot Gas/Liquid Strainer/Defrost Pressure Reg Kit

CAPACITY TABLE, TONS OF ICE PER 24 HOURS AT SUCTION TEMPERATURE 0 ^{0}F (21C.) **(LIQUID OVERFEED)**

Water Temperature	Capacity (U.S Tons/24hrs)		Refrigeration Capacity (TR)		Capacity (Metric Tons/24hrs)		Refrigeration Capacity (KW)	
	Ice Thickness		Ice Thickness		Ice Thickness		Ice Thickness	
	1/4"	1/2"	1/4"	1/2"	1/4"	1/2"	1/4"	1/2"
80 ^{0} F	16.4	13.3	29.2	20.4	14.9	12.1	102.8	71.8
70 ^{0} F	17.1	14.0	29.2	20.4	15.5	12.7	102.8	71.8
60 ^{0} F	17.9	14.8	29.2	20.4	16.3	13.5	102.8	71.8
50 ^{0} F	18.8	15.6	29.2	20.4	17.1	14.2	102.8	71.8

Capacity ratings based on central plant operation with 60 second harvest. Consult factory for dedicated compressor ratings.

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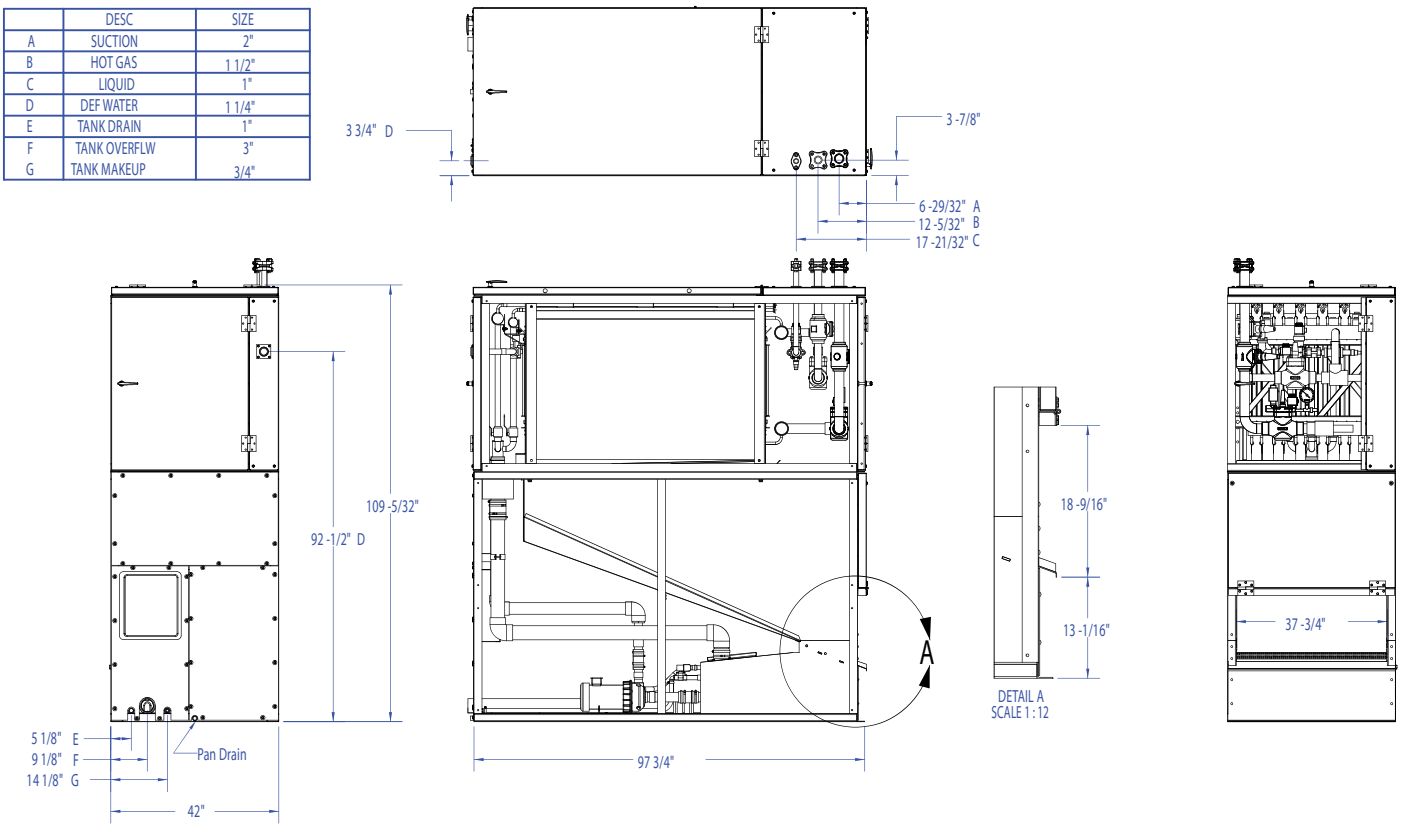
ENERGY STAR PARTNER

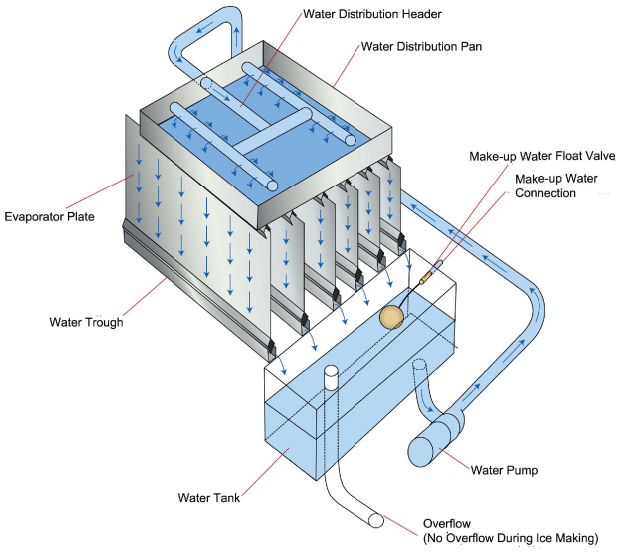
MODULAR FRAGMENTED ICE SYSTEMS

MHGA (Modular Hot Gas Ammonia)

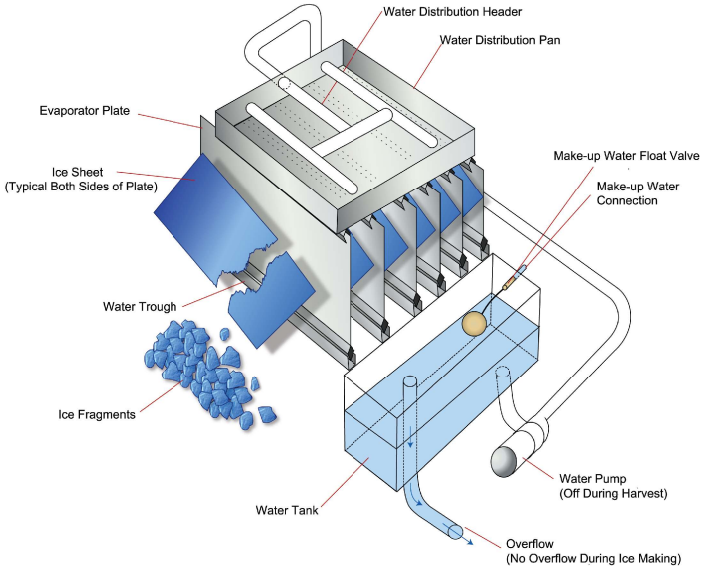
	DESC	SIZE
A	SUCTION	2"
B	HOT GAS	1 1/2"
C	LIQUID	1"
D	DEF WATER	1 1/4"
E	TANK DRAIN	1"
F	TANK OVERFLW	3"
G	TANK MAKEUP	3/4"



Principles of Operation



Ice Making



Ice Harvesting

Operating Conditions

The ice machine shall not be subjected to an atmospheric temperature lower than 50 ^{0} F. (10 ^{0} C.) nor higher than 90 ^{0} F. (32 ^{0} C.) without effect on performance. Water for condensing or ice making purposes shall be non-corrosive. The water shall be at a constant pressure no less than 30lbs. at the ice machine location. The condition of the water to make satisfactory ice shall be the responsibility of the purchaser.

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