

# P24A/F SERIES TUBE-ICE MACHINE

Self Contained P24A (Ammonia), P24F (R404a)



P24A

## P24A/F Options:

- ★ Voltage - 230v, 3p, 60hz.
- ★ Voltage - 400v, 3p, 50hz.
- ★ Voltage - 200v, 3p, 50hz.
- ★ Voltage - 575v, 3p, 60hz.
- ★ PLC Control panel (programmable logic controller)
- ★ Cutter for 1-1/2" long ice
- ★ Cutter for crushed ice
- ★ Vilter compressor
- ★ Power monitor
- ★ Canadian Registration Number (CRN)

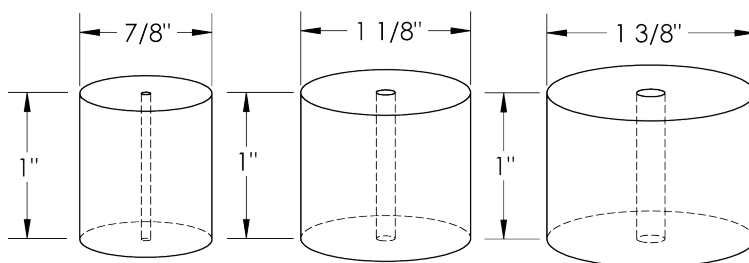
The P24 Series with a capacity of 25 tons of ice per day is the preferred ice machine for thousands of packaged ice factories worldwide. Available as a self contained water cooled machine for operation with ammonia or R404a refrigerant, the P24A/F will provide you with many years of dependable service.

Heavy-duty industrial construction, automatic operation, energy efficiency and the best warranty in the business make the Vogt P24A/F Series the only "clear" choice for your ice making needs.

## P24A/F Standard Features:

- ★ Self Contained Packaged Unit
- ★ Factory Tested and Certified
- ★ 25 Year Evaporator Warranty
- ★ Voltage - 460v, 3p, 60hz.
- ★ Control Voltage - 230v, 1p, 60hz
- ★ UL 508A Industrial Control Panel
- ★ Compressor Soft Start
- ★ R404a or Ammonia Refrigerant
- ★ Mycom Compressor Standard on P24A
- ★ Carlyle Compressor Standard on P24F
- ★ Water-Cooled Condenser
- ★ R404a refrigerant charge included in P24F (except CE units)
- ★ Stainless Steel Condenser Tubes

## P24A/F Tube-Ice Available in Three Ice Sizes:



Not to Scale

## Operating Conditions

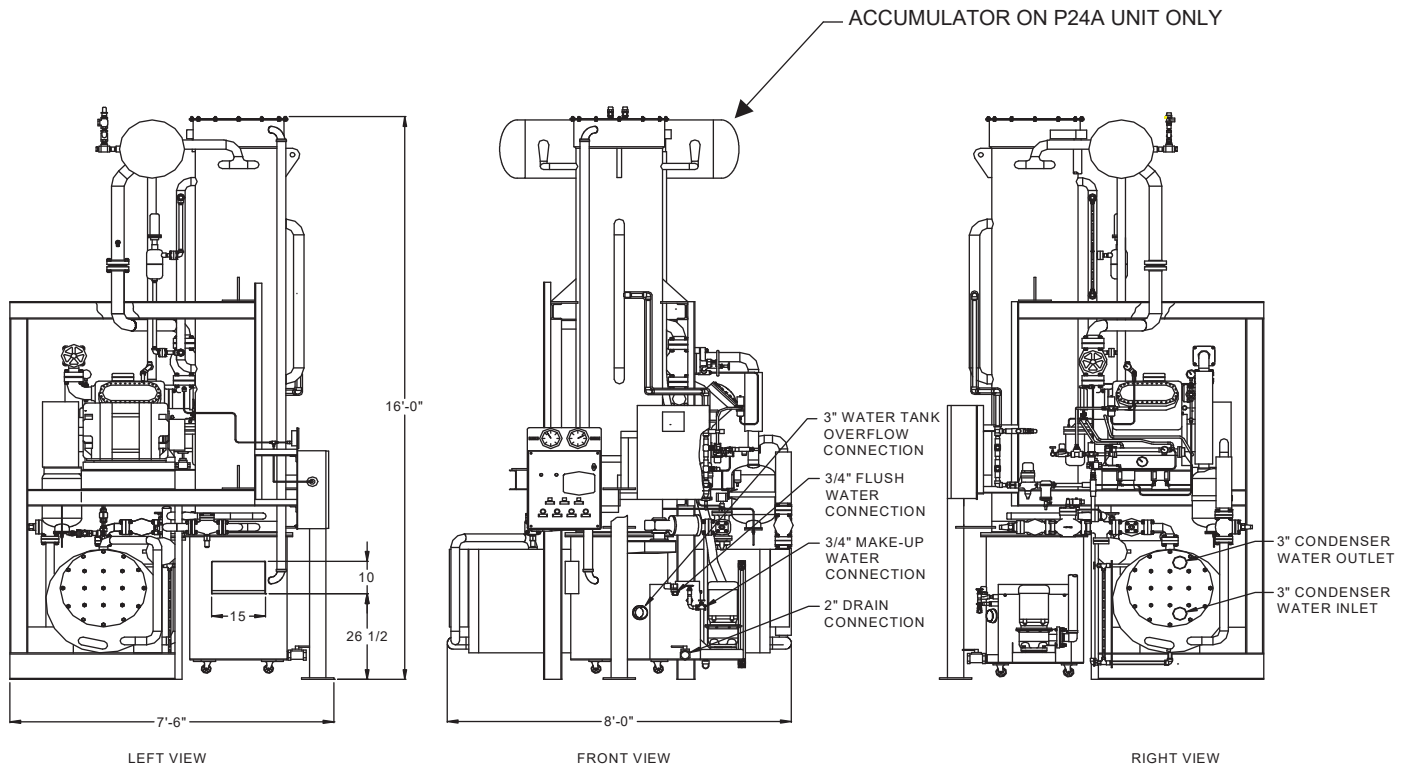
The ice machine shall not be subjected to an atmospheric temperature lower than 50 ° F. (10 ° C.) nor higher than 90 ° F. (32 ° C.) without effect on performance. Water for condensing or ice making purposes shall be non-corrosive.

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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## STANDARD CAPACITY, TONS PER 24 HOURS

Water Temperature	MODEL P24A (Ammonia Refrigerant)			MODEL P24F (R404a Refrigerant)		
	7/8" DIA. ICE	1-1/8" DIA. ICE	1-3/8" DIA. ICE	7/8" DIA. ICE	1-1/8" DIA. ICE	1-3/8" DIA. ICE
80 ° F	20.5	21.5	20.0	21.7	22.6	21.9
70 ° F	21.5	22.6	21.0	22.8	23.8	23.1
60 ° F	22.6	23.9	22.2	24.0	25.1	24.3
50 ° F	23.8	25.3	23.4	25.3	26.5	25.7
Shipping Weight	12,200	12,000	11,800	13,200	13,000	12,800
Operating Weight	13,760	13,560	13,360	13,560	13,360	13,160

Model	Ice Machine THR (btu/hr)	Press Drop thru Condenser* (PSIG)	Condenser Water Req'd (GPM)	Water to Tower ( ° F)	Water from Tower ( ° F)
P24A	981,000	14	195	95	85
P24F	1,031,000	15	206	95	85

\*Pressure drop through condenser does not include water regulator.

Capacity rating is average for the model.  
 Individual machines may vary +/- 5%.  
 Capacity based on ambient (air) temperature of 90 ° F. (32 ° C.).  
 Capacity reduced 17% for 50hz. operation.  
 Makeup water usage includes 20% blowdown.



P24F