

P24AL SERIES TUBE-ICE MACHINE

25 Ton per Day Ammonia Low-Side



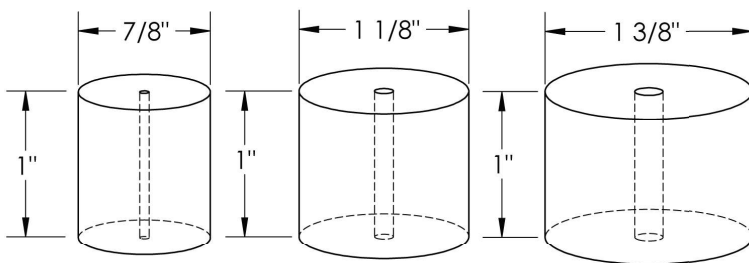
The P24AL Series with a capacity of 25 tons of ice per day is an ammonia low-side Tube-Ice machine designed to operate with a dedicated ammonia high-side or on a central refrigeration system. The P24AL will provide you with many years of dependable service.

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

P24AL Standard Features:

- ★ 25 Year Evaporator Warranty
- ★ Up to 25 tons of ice per day
- ★ Voltage - 230v.,3p.,60hz.
- ★ Control Voltage - 230v.,1p.,60hz
- ★ UL 508A Industrial Control Panel
- ★ Ammonia flooded operation
- ★ Manufactured in accordance with A.S.M.E. code
- ★ Standard ice length 1"

P24AL 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.

P24AL Options:

- ★ Voltage -460 v.,3p.,60hz.
- ★ Voltage - 400v.,3p.,50hz.
- ★ Voltage - 575v.,3p.,60hz.
- ★ 120v Controls
- ★ PLC Control panel (programmable logic controller)
- ★ Power monitor
- ★ Cutter for 1-1/2" long ice
- ★ Cutter for crushed ice
- ★ Cutterless option
- ★ R.S. control valves
- ★ Liquid overfeed
- ★ All stainless steel
- ★ "CE" Approval (400v, 50hz only)
- ★ Canadian Registration Number (CRN)

Vogt Ice LLC

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 Louisville, KY 40210
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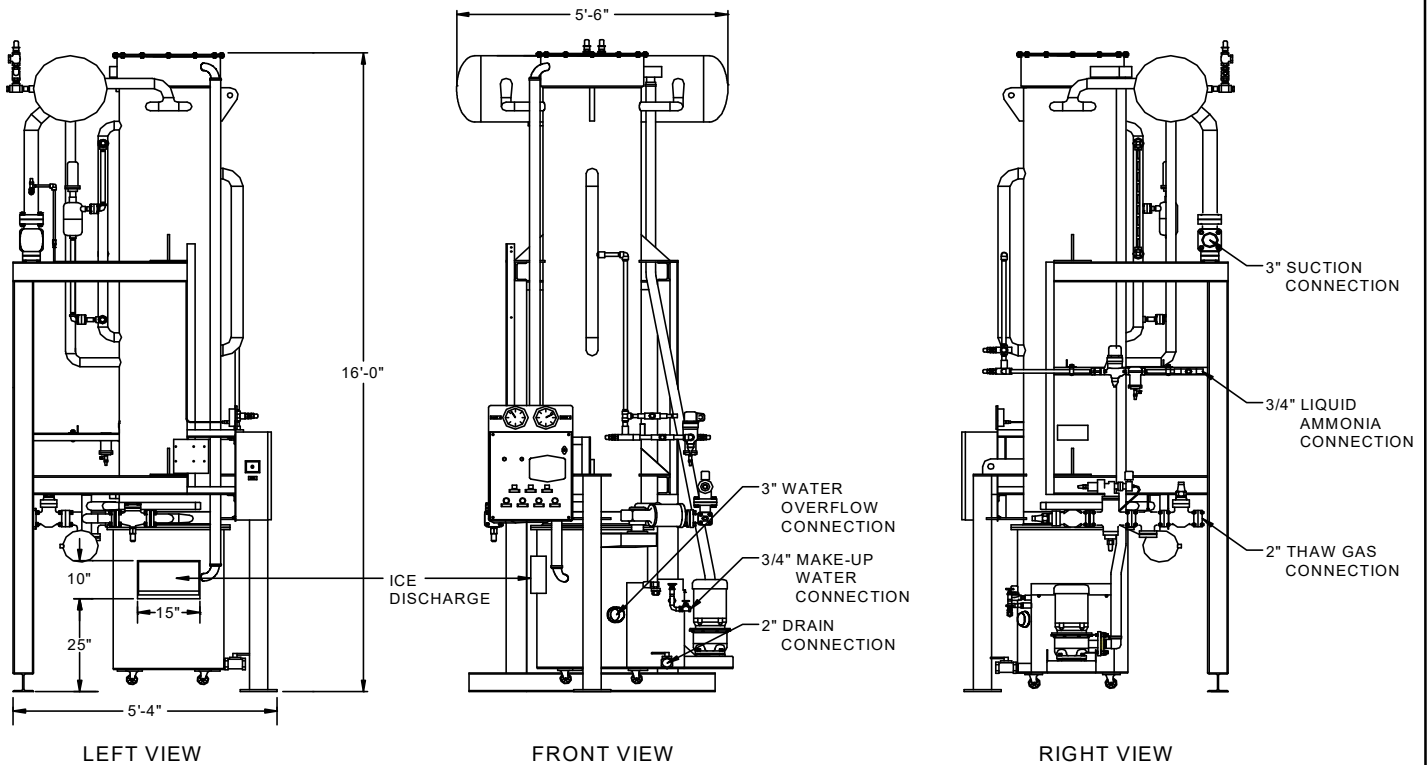


www.vogtice.com



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Water Temperature	P24AL STANDARD CAPACITY TONS OF ICE PER 24 HOURS @ 10° F SUCTION		
	7/8" Diameter Ice	1-1/8" Diameter Ice	1-3/8" Diameter Ice
80 °F	29.1	28.1	21.3
70 °F	30.1	29.3	22.2
60 °F	31.2	30.6	23.2
50 °F	32.3	31.9	24.3
Shipping Weight	6,400	6,200	6,000
Operating Weight	7,260	7,060	6,860

CAPACITY TABLE, TONS OF ICE PER 24 HOURS (AT SUCTION TEMPERATURE ° F)												
Water Temperature	0 °F			5 °F			15 °F			20 °F		
	7/8"	1-1/8"	1-3/8"	7/8"	1-1/8"	1-3/8"	7/8"	1-1/8"	1-3/8"	7/8"	1-1/8"	1-3/8"
80 °F	36.9	37.0	28.4	33.2	32.7	25.0	24.4	23.1	17.3	19.0	17.5	13.0
70 °F	38.0	38.3	29.6	34.3	34.0	26.0	25.3	24.1	18.1	19.7	18.3	13.6
60 °F	39.2	39.8	30.8	35.4	35.4	27.2	26.3	25.2	19.0	20.6	19.2	14.3
50 °F	40.4	41.5	32.2	36.7	36.9	28.4	27.3	26.4	19.9	21.4	20.2	15.0

Capacities based on the following:

- Flooded ammonia liquid feed
- Blowdown of 15 gallons per cycle
- Ammonia discharge pressure of 185psig
- Harvest cycle of 3.5 minutes