

SYSTEMS IV® the CHILLTECH SERIES

www.systemsiv.com

The EXCLUSIVE ChillTech Heat Exchange system lowers water temperature to incoming ice makers. This results in significantly reduced ice maker cycle times, while lowering the kWh consumption up to 30% and increasing ice making capacity up to **20% or more!**

Bypass Installation

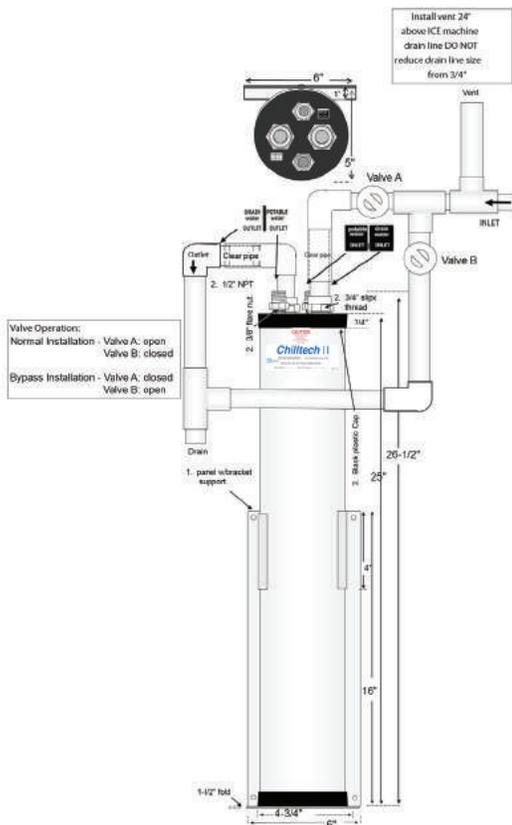
Valve operation:

Normal Installation - Valve A: open
Valve B: closed
Bypass Installation - Valve A: closed
Valve B: open



Benefits

- Increases ice production up to 20% or more!
- Lowers kWh consumption by up to 20%
- Stand alone product
- No electricity required
- Easily connects to cold water feed line
- 2 year parts warranty



MODELS

Model	Part #	Availability
ChillTech.5	CT.5	In Stock
ChillTech Slim	CTSlim	In Stock
ChillTech 1	CTI	In Stock
ChillTech 2	CTII	In Stock
ChillTech 3	CTIII	In Stock

Shipping.....Same Day
Line Size.....1/2"

Accessories:

ScaleGone 1



Inhibits limescale build-up by dispensing controlled amount of Citryne compound, ideal for heat exchange equipment. Consider ScaleGone 1 for all equipment that heats or cools water in areas that even has low levels of hardness.

INSTALL VENT 24" ABOVE ICE MACHINE DRAIN LINE - DO NOT REDUCE DRAIN LINE SIZE FROM 3/4"



L.A.S. Associates/FAIM Reps, LLC

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FAIM Reps, LLC
EPCO and SMC Machine

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the CHILLTECH ADVANTAGE



ChillTech Series by SYSTEMS IV®

The Marketplace is full of poor performing commercial ice machines. Most buyers purchase what they need at the time, and nothing more. Most businesses grow, and of course, the ice machine does not grow with them. Purchasing ice is expensive to say the least.

Performance on all ice machines is measured by ambient air temperature and incoming water temperature. Years ago a restaurant owner told us he loved his ice machine except that it didn't make enough ice in the summer and made too much ice in the winter. We heard this over and over.

Temperature Reduction

We have found **ChillTech** not only reduces freeze times but also increased harvest weight which in turn reduces the amount of water purged at the cycles end. This means a highly reduced KWH consumption per 100 pounds of ice and a reduction in gallons of water used per pounds of ice harvested.

The exclusive **ChillTech** system will significantly reduce water temperature to incoming ice makers. This will reduce ice maker cycle times while increasing the ice making capacity of the ice maker by up to 30 percent.

Less kWh cost to the consumer results in a lower electric bill... This results in the **ChillTech's** ability to pay for itself in less than

Systems IV® has developed **ChillTech** to be a very simple add on to existing or new ice machines. Designed to sit on the floor or attached via a simple mounting bracket that can be attached to the wall or the side of the bin for additional support.



a year and in many cases in 6 months or less.

ChillTech catches that wonderful free energy and transfers the cold left over water to the incoming warmer water in it's system to bring the temperature down by up to 30%. The result is an ice maker that makes much more ice in the days and months and even years to come on FREE energy.

The **ChillTech** attaches to the existing drain line, and is very fast to install. MAINTENANCE FREE.

Significant Reduction in Ice Maker cycle times.

- **ChillTech .5** -
Up to 400 lb/day cuber intended for small under counter cubers.
- **ChillTech Slim** -
ALL Under Counter Makers (Modular up to 600 lbs/day)
- **ChillTech I** -
Up to 1,200 lbs/day cuber (Hoshizaki^ models up to 600 lbs/day)
- **ChillTech II** -
Up to 2,400 lbs/day cuber (Hoshizaki^ models up to 1,800 lbs/day)
- **ChillTech III** -
Over 2,400 lbs/day cuber (Hoshizaki^ models 2,000 to 2,400 lbs/day)

"Reduce energy consumption by up to 30% and increase ice production by up to 30% or more while extending the life of your ice makers."



The ChillTech "Family"



CTI Cutaway

We developed the ChillTech to be simple...

Installation requires nothing more than taking the existing drain tubing from the ice maker itself and installing it to the inlet line and then installing the continuation drain line to the drain. The inlet potable water line to the ice maker needs to be routed to the marked flare fitting and the continuation to the ice maker from the flare fittings. It would be advisable, although not necessary to wrap the continuing water line to the ice maker with insulation. This would maintain the cold temperatures the **ChillTech** brings to the ice maker. An ice maker installed with a **Systems IV® ChillTech** will reduce freeze times.

Cooler temperatures mean less heat. Heat is wear. So, the customer can expect to find lower temperatures surrounding the ice maker - the condenser if air-cooled will discharge a slightly cooler air since it has less

heat to remove due to lighter load or temperature of the water. All the components will last longer as they are now operating for a shorter period of time.

How long will it take for the customer to know the ChillTech is working?

Almost immediately... The moment the customer has the **ChillTech** installed; it is working. There is no **BREAK-IN** period.

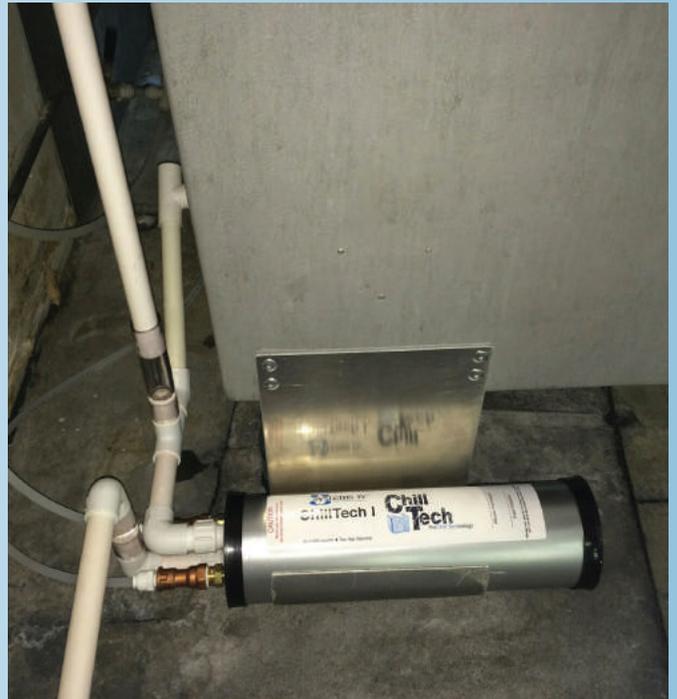
The essence of simplicity is generally what works! Today, **GREEN** is the issue... This product is about as **green** as it gets!

Words from LARRY...

"We have found that not only did we reduce freeze times, we increased harvest weight which in turn reduces the amount of water purged at the cycles end. This means a reduced KWH consumption per 100 pounds of ice, and a reduction in gallons of water used per pounds of ice harvested.

Your customers will benefit in many ways by using **ChillTech**.

Remember, there are *no electrical hook ups*, the unit is *self cleaning*, *reduces water consumption*, *increases capacity*, *has no moving parts*, *is maintenance free* and is *simple to install* to new or, in particular, existing installations."



ChillTech I
Horizontal Install

the CHILLTECH ADVANTAGE Calculator

Ice Maker Capacity (lbs/day)	400	600	800	1000	1200	1800	2400
Actual Daily Production using mfg's 90-70 specs (lbs/day)**	330	460	700	820	1,075	1,350	1,875
Annual Ice Production (lbs)	120,450	167,900	255,500	299,300	392,375	492,750	634,375

Increase ICE production by 30%!

Extra Ice Production (lbs/day)	99	138	210	246	322.5	405	562.5
Increased Ice Production (lbs/year)	36,135	50,370	76,650	89,790	117,713	147,825	205,313
Value of Additional Ice @ \$0.01 /lb	\$361.35	\$503.70	\$766.50	\$897.90	\$1,177.13	\$1,478.25	\$2,053.13

Current Daily Ice Production

x 0.3 x 365 =

 LBS

Save on Electricity by 30%!

Typical kWh to produce 100lbs of ice	8.5	8.3	6.1	5.9	5.7	6.1	5.6
kWh usage per day (daily production/100)	28.05	38.18	42.7	48.38	61.275	82.35	105
*kWh per 100	\$1,023.83	\$1,393.57	\$1,558.55	\$1,765.87	\$2,236.54	\$3,005.78	\$3,832.50
Annual Savings of 30%	\$307.15	\$418.07	\$467.57	\$529.76	\$670.96	\$901.73	\$1,149.75

Total Electric Bill

X

Daily ice prod.

kWh

per 100lbs x 0.3 x 365 = \$

kWh Used

100

= values to be inserted for your calculation

* Check your electric bill - Divide total cost by kWh costs. Stated Rate does not include misc. costs and fees
 ** Ice productions are general manufacturers ranges. Check yours. Field conditions, Air & Water temp determine actual production increases. Check each manufacturers kWh specs for actual numbers - Divide 24 hour production by 100.

2017 CHILLTECH PRICING

MODEL	Description	LIST
ChillTech Slim w/bracket	<i>Designed specifically for ALL Under Counter Ice Makers for horizontal install. (also up to 600lb/day Modular Ice Makers)</i>	\$496.84
ChillTech I (CTI) w/bracket	<i>Up to 1,200 lbs/day cuber (all Hoshizaki^ models up to 600 lbs/day)</i>	\$561.05
ChillTech II (CTII) w/bracket	<i>Up to 2,400 lbs/day cuber (all Hoshizaki^ models up to 1,800 lbs/day)</i>	\$1,019.63
ChillTech III (CTIII) w/bracket	<i>Over 2,400 lbs/day cuber (all Hoshizaki^ models 2,000 to 2,400 lbs/day)</i>	\$1,096.09

F.O.B. - West Bloomfield, NY or Chandler, AZ

Add On Water Treatment Accessories:

ScaleGone 1

Limescale inhibitor unit with **Citryne™**

\$352.58

SHIPPING DIMENSIONS:

MODEL	DIMENSIONS	WEIGHT
ChillTech .5	17x6x6	7 lbs.
ChillTech Slim	27x14x6	10 lbs.
ChillTech I	22x6x6	10 lbs.
ChillTech II	32x6x6	16 lbs.
ChillTech III	40x7x7	20 lbs.

*Dimensions and Weights are close approximations
packages may be bigger or smaller once shipped*



Limited Warranty: Manufacturer warrants to the original purchaser that its product is free from defects in material and workmanship for a period of five years from the date of purchase, if the product is installed in accordance with the manufacturer's instructions.

This warranty covers materials only. All labor costs are excluded from the warranty. This warranty excludes the costs of installation.

****Please refer to the ChillTech Limited 5 Year Warranty certificate for all other terms and conditions**

^ Hoshizaki is a Registered Trademark of Hoshizaki America, Inc.