



Ice Plant Equipment

Products and Services

June 2008



The Sisco Concept is Turning Water Into Profits

Our success is based upon these fundamental actions

- Engaging Customers and Listening to Their Wants, Wishes & Needs
- Engineering Projects to Meet those Specific Customer Needs
- Offering the Highest Quality Equipment Selections
- Maximize the Efficiency and Ease of Operation for our Customers
- Providing True Customer Service & Support After the Sale

Our goal is to design and layout complete packaged ice systems which meet our clients current needs and allow for future expansion and growth.



Packaged Ice Producers Incorporate 7 Key Functions into Their Daily Operation

- Water Quality
- Ice Production
- Ice Handling
- Package Processing
- Storage of Finished Product
- Delivery to Market
- Merchandising and Point of Purchase Displays



At times, one or more of these functions can become a constraint to the operation.

Sisco can provide solutions for each of these functional areas to help insure your success





Provides Solutions

Plant Additions
Remodel
Projects
&
Equipment
Upgrades

From Concept Design
To Equipment Layout

Ice Making Equipment
Water Filtration
&
Refrigeration Systems

Ice Conveyors
&
Ice Storage Bins



Ice Bagging
&
Closing
Equipment

Walk-In Freezers
For
Finished Product
Storage



Refrigerated
Ice Transports
&
Delivery Trailers

Indoor
&
Outdoor
Retail Ice
Merchandisers



Ice Bags
Consumable
Supplies
&
Parts

Quality Ice Production Equipment

Water Filtration – Pre-Filters, Filters & Conditioning

- Water Filters – Remove Solids, Sediment, Lime, Odors & Poor Taste
- Water Treatment – Reverse Osmosis – Ultra Violet
- Water Pre-Cooling – Increases Ice Machine Capacity



Ice Machines – Commercial & Industrial Grade

Commercial Grade Brands

- Scotsman
- Ice-O-Matic
- Hoshizaki
- Manitowoc

Industrial Grade Brands

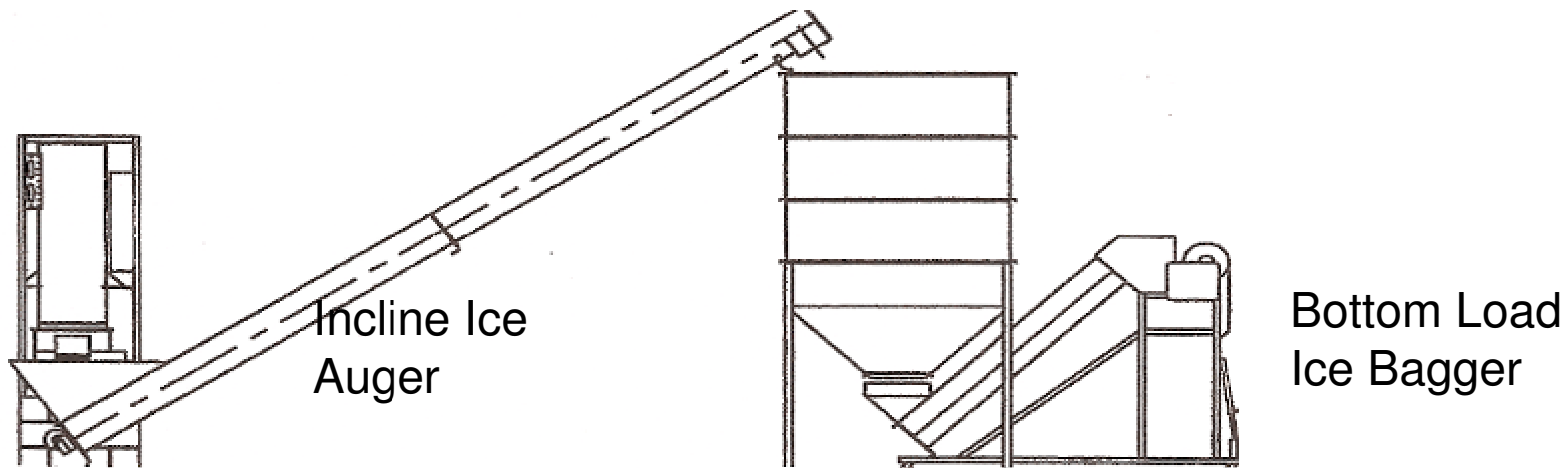
- Vogt
- Turbo
- Compressors
- Air-Cooled Condensers
- Water-Cooled Evaporative Condensers
- Water-Cooled Cooling Towers
- Cooling Tower Sump Tanks
- Cooling Tower and Evaporative Condenser Pumps



P-118

Incline Ice Auger

Ice Storage Bin



Ice is made in the Vogt Model P-118 machine – it is discharged out from the left side and is deposited into the Incline Ice Auger – the ice is moved up the auger with an internal screw conveyor – the ice then drops freely into the large capacity Bulk Ice Storage Bin. The bin is a gravity feed design where the weight of the ice itself forces the ice out of the bin discharge door - With the bin discharge door open ice flows into the Bottom Load Bagging Unit - The Bagging unit will fill bags with the same volume of fresh ice bag after bag. From the bagging unit the full bag of ice is placed on a short conveyor belt that feeds the full bag into the Bag Closer – The Bag Closer uses a wire ring to clamp and secure the bag closed - We have recommended using an adjustable leg style Belt Conveyor to send your finished Ice Bags into your Walk-In Freezer as “Finished Goods Inventory” or directly into the Polar Temp Ice Transport Trailer for fast delivery to your customers.



Quality Processing Equipment

Ice Storage Equipment Selections based upon production capacity

- Upright Ice Bins
- Gravity Feed Slope Bottom Ice Bins
- Dispensing Ice Bins
- Moving Floor Bins
- Rake Bins



Ice Bagging Equipment Selections

- Bin Mounted Baggers
- Top Load Volumetric Baggers
- Bottom Load Volumetric Baggers
- High Volume Top Load Form & Fill Baggers using Film Bags



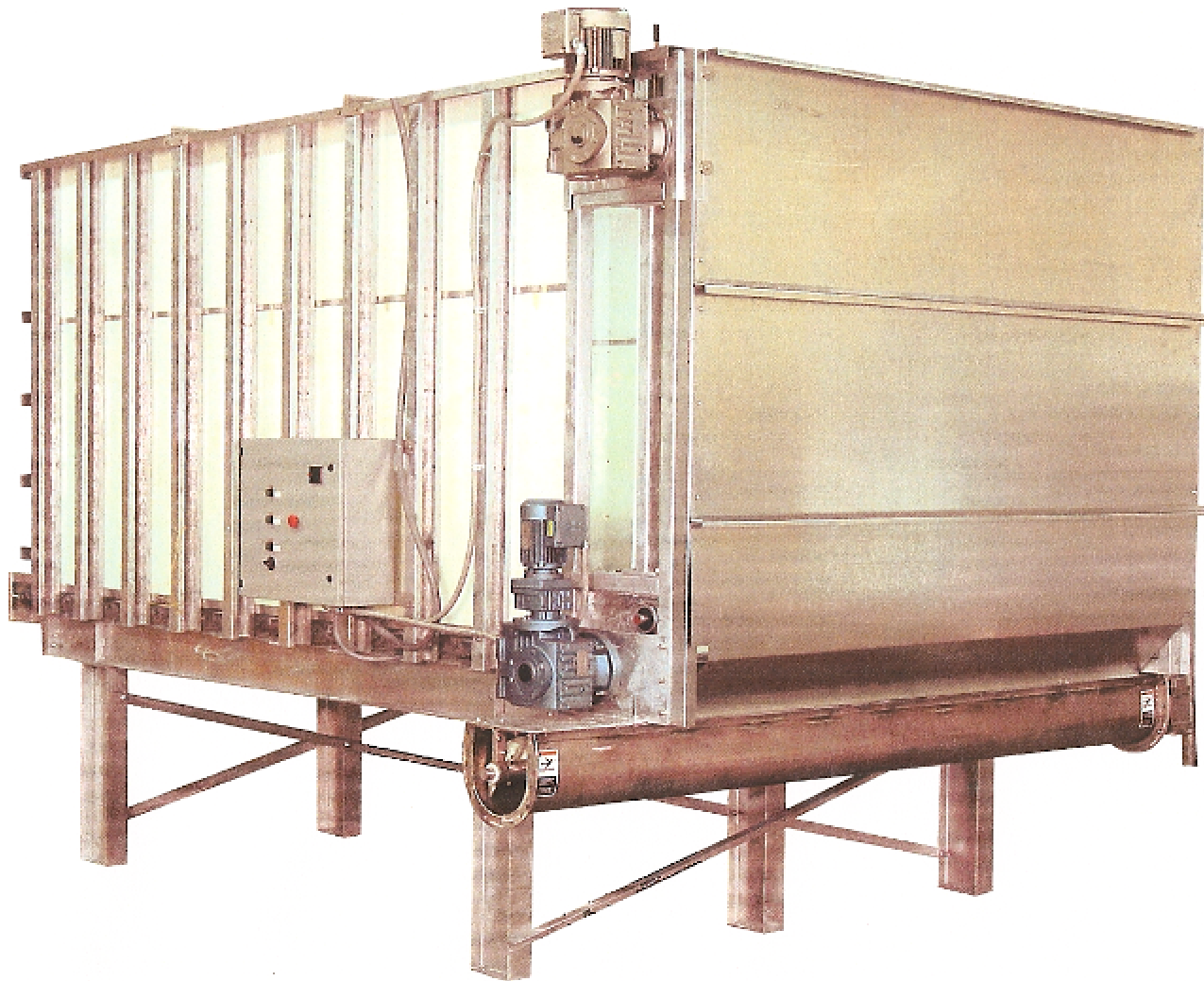
Bag Closing Equipment Selections

- Manual Closing Tools
- Plastic Kwik Lok Closers
- Automatic Wire Closers
- Automatic Heat Seal Closers
- Automatic Date Coder



Medium to High Storage Capacity Ice Bins

Sizes Range from 6 tons to 20 tons of Ice Storage Capacity



Ice Handling Equipment

- Custom Galvanized Steel and Stainless Steel Screw Augers deliver Ice from the Ice Machine to the Ice Storage Bin. They can also be used to deliver Ice from the Ice Storage Bin to the Bagging Unit.
- * Ice Snow Reels and Screens to Remove Fines and Improve Finished Product Quality
- Belt Conveyors are available to move finished product to pallets, freezers or direct to the delivery truck.
- 2 & 4 Wheel Hand Trucks, Pallet Jacks, and Fork Lifts are available to move ice from the production area to the storage freezer, delivery trucks or retail ice merchandisers.



ICE-MAX BAGGERS – Bottom Load & Top Load Models Are Available –

All Stainless Steel Type 304 Construction – Durability – Reliability – Selection - Flexibility



DESCRIPTION: Bottom load volumetric bagger with incline screw standard wicket - loads one wicket of bags
.adjustable speed - approximately 20 - 45 bags per minute

BAG FILL: Will fill from a 5 pound to a 10 pound bag In a single dump
multiple dump will fill larger bags

DIMENSIONS: **Uncrated:** 96" long x 32" wide x 74" high (includes casters)
Uncrated Weight: approximately 850 pounds
.30" from hopper to floor
.24" x 19" bottom hopper
Crated: 101" long x 37" wide x 79" high
Crated Weight: Approximately 980 pounds

CONSTRUCTION: Stainless Steel

ELECTRICAL Standard electrical is 115/1/60
Other electrical available - call factory for pricing
50 hertz is an available option with up charge
UL approved electrical components

AMP LOAD: 30 Amps at 115/1 /60

OPTIONS: Slapper - for drum
Wiggler-for hopper
Multi Wicket: either "S" hooks or reverse wicket

Bottom Load Style Bagger



Product should be installed in compliance with NEC (National Electric Code), OSHA, anti other regulatory agencies. All specifications are subject to change without notice.



DESCRIPTION:	Top load volumetric bagger Standard wicket - loads one wicket of bags Adjustable speed - approximately 20 - 45 bags per minute
BAG FILL:	Will fill from a 5 pound to a 10 pound bag In a single dump multiple dump will fill larger bags
DIMENSIONS:	Uncrated: 41" long x 32" wide x 78" high (includes casters) Uncrated Weight: approximately 590 pounds Cone shaped top hopper Crated: 46" long x 37" wide x 80" high Crated Weight: Approximately 720 pounds
CONSTRUCTION:	Stainless Steel
ELECTRICAL	Standard electrical is 115/1/60 Other electrical available - call factory for pricing 50 hertz is an available option with up charge UL approved electrical components
AMP LOAD:	20 Amps at 115/1 /60
OPTIONS:	Slapper - for drum Wiggler - for hopper Multi Wicket: either "S" hooks or reverse wicket
<i>Product should be installed in compliance with NEC (National Electric Code), OSHA, anti other regulatory agencies. All specifications are subject to change without notice.</i>	

Top Load Style Bagger



Automatic Bag Closer With Short Belt Conveyor



Bag Types and Capacities:

Open Mouth Poly, Poly Mesh/Net and draw string: 1 pound to 25 pounds

Specifications:

Adjustable Head:

- Minimum height from floor: 22 inches
- Maximum height from floor: 40 inches
- TEFC motor 115V 60Hz 1/4 HP

Weight: 180 pounds (without conveyor)

Floor Area: 18" x 30" (3.75 square feet)

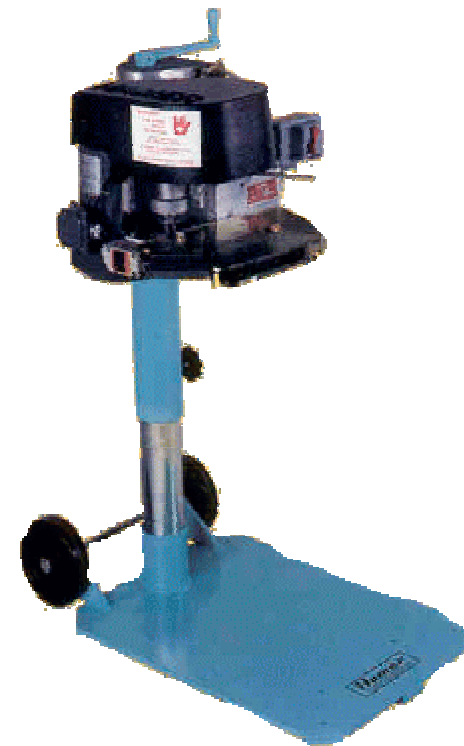
Options: Conveyor, Resettable Counter and TEFC Motor



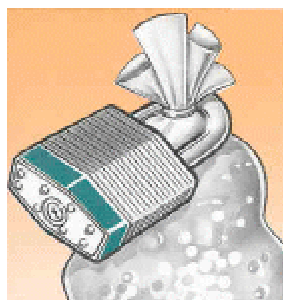
Closes up to 75 bags-per-minute.

- Wire ring seal is tamperproof.
- Sealed main roller bearings.
- Available in right and left hand feed models.
- Designed for easy maintenance and wire loading.

Automatic Bag Closer Without Conveyor Belt



- Keyed, no-adjust wire feed rollers.
- Engineered and constructed to stand up under continuous stop-and-go production. All stress parts built from hardened steel alloys.
- Solid, self-aligning, double-ended clincher.
- Safe, fully enclosed operation.
- 90-day limited parts and labor warranty.

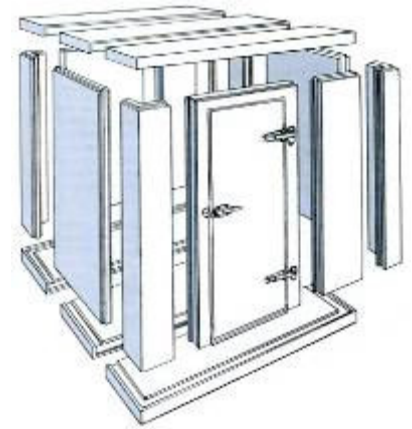


Features Exclusive

Tamperproof Seal to lock out contamination, pilferage, short weight and accidental spillage



Storage of Finished Goods



Ice Vaults and Walk-in Freezers

- Custom Walk-in Boxes designed to store bagged ice that is ready to sell or deliver
- 4" or 6" Thick Urethane (Polyisocyanurate) Tongue and Grooved Laminated Panels
- Fast and Easy Cam-Lock Assembly Seals the Gasket Surface Areas Completely
- Manual Service Doors, Sliding Doors and Automatic Doors are Available
- Reinforced Floors with Aluminum Tread Plate is Available
- Galvanized Steel, Aluminum and Stainless Steel Interior & Exterior Surfaces are Available



PORTABLE FOLDING BELT CONVEYORS



The Portable Belt Conveyor is ideal for stacking, loading and unloading. One lever control adjusts angle without effort. Desired angle automatically locked by power screw.

Bed - 4" deep x 20" wide x 12 ga. formed steel bed, hinged for storage purposes

Belt Width - 14"

Belt Speed - 65 FPM

Overall Conveyor Lengths: 10', 12', 14', 16', 20', & 22'

Motor - 1 HP - 1-1/2 HP Available

Capacity - 300 lbs. total distributed load, 150 lbs. unit load

Reversible

Switch - Reversing drum with 20' power cord and plug

Self-powered Raising Device

AVAILABLE IN 6 LENGTHS TO MEET YOUR SPECIFIC NEEDS

10' Long - Adjustable Angle, Portable and Hinged Belt Conveyor

12' Long - Adjustable Angle, Portable and Hinged Belt Conveyor

14' Long - Adjustable Angle, Portable and Hinged Belt Conveyor

16' Long - Adjustable Angle, Portable and Hinged Belt Conveyor

20' Long - Adjustable Angle, Portable and Hinged Belt Conveyor

22' Long - Adjustable Angle, Portable and Hinged Belt Conveyor



Delivery to Market – Truck Bodies and Transport Trailers

- **4 Sizes of Refrigerated Pick-up Truck Bodies** are available for delivery of finished products.
 - 3' Wide X 7' Long
 - 4' Wide X 8' Long
 - 5' Wide X 9' Long
 - 5' Wide X 10' Long
- **4 Sizes of Refrigerated Transport Trailers** are available for delivery of finished products.
 - 3' Wide X 7' Long
 - 4' Wide X 8' Long
 - 5' Wide X 9' Long
 - 5' Wide X 10' Long



Merchandisers & Retail Points of Sale Locations

There are 61 different types of Retail Ice Merchandisers Available to Professionally Display your Products.

- Outdoor Models with Locking Solid Door Construction
- Indoor Models with Glass Doors and Optional Lighted Interiors
- Cold Wall Refrigeration Systems
- Automatic Defrost Drop-in Refrigeration Systems
- Top Mounted Refrigeration Systems
- Bottom Mounted Refrigeration Systems
- Low Profile Merchandiser to Fit Under Store Windows
- Flat Top Models with Notched Out Refrigeration Systems
- Slant Front Style Merchandisers
- Single and Double Door Style Merchandisers
- Back-Stock Merchandisers capable of Storing 2 Pallets of Finished Product



Ice Plant Bags and Consumable Supplies

Stocking Bag Sizes

- 7 lbs Bags
- 8 lbs Bags
- 10 lbs Bags
- 20 lbs Bags
- 40 lbs Bags
- Baler Bags
- Custom Printed Bags



- Closure Ties
- Wire for Automatic Closers
- Clamp Rings for Automatic Closers
- Heater Blowers for Heat Seal Closers
- Ice Picks
- Ice Tongs



Replacement Parts For All Equipment

Ice Machines

Augers

Bins

Baggers

Bag Closers

Walk-In Freezers Doors

Refrigeration Systems

Merchandisers

Ice Transports

Water Filtration



SISCO SOLUTIONS

PROVIDING NEW & INNOVATIVE SOLUTIONS FOR ICE COMPANIES SINCE 1927

- Complete Ice Equipment Selection
- Ice Plant Layout & Design
- Production and Processing
- Storage, Delivery and Merchandising
- All Supplies and Replacement Parts
- Custom & Stock Ice Bags

- Ice Makers from 200 lbs. to 20,000 lbs.
- Stainless Steel Volumetric Baggers Top and Bottom Load
- Stainless Steel Ice Storage Bins and Conveyors
- Walk-In Freezers and Replacement Doors



FROM ONE PIECE OF EQUIPMENT TO COMPLETE ICE PLANTS
RELY ON SISCO'S YEARS OF EXPERIENCE FOR
YOUR MOST EFFICIENT & PROFITABLE EQUIPMENT.

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