



HOSHIZAKI TECHNICAL SUPPORT TECH -TIPS

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New “F” SERIES BINS

Beginning in July of 2001, Hoshizaki will begin producing a new style of bin. These bins have rounded front vertical surfaces that compliment the new “H” series ice machines that are presently being produced. These new bins have a “warm black” door as well as black legs to complete the updated look.

Since the vertical portions of the bin front now have radiuses, the insulation is 20mm thicker than previous model bins.

The new style door replaces the current door in service parts. This changeover will take place around September or October as the inventory of gray doors is depleted. After the change over, the gray door will no longer be available. The new black door will be the only option for service replacement. There is no difference in mounting between the gray and black doors so there will be no problem using this door as a universal replacement for all previous doors.

-AAC/-SSB REACH-IN COMPARISON

As you know, Hoshizaki produces two different lines of reach-in products. The –SSB TempGuard™ is the high-end range and the –AAC SafeTemp™ is the medium range. Both of these products have various freezers as well as refrigerator models available. This article will discuss some of the differences between the two lines.

As mentioned earlier, the –AAC is our medium range box. This box is more economical than the –SSB, so it does not have all the bells and whistles. The –AAC construction has aluminum sides inside and out. The inside floor, as well as, the doors are stainless steel and

the exterior bottom and back are galvanized. The reach-ins use a one-piece roto-cast molded refrigeration section that can be removed from the reach-in box if needed. There is an automatic condensate disposal system included in the condenser area. This is done by running the discharge line through the condensate pan to evaporate the condensation. The portion of the discharge line that goes through this pan is corrosion resistant stainless steel. A simple electronic controller with digital display control cycling for this unit. The customer has the option of purchasing a foot pedal door opener as well as casters to replace the standard legs.

The –SSB units include all the features of the above line as well as the following upgrades. These units are stainless steel inside and out with the exception of the galvanized exterior bottom and back. They also incorporate a cold air distribution system that allows the cold air from the evaporator to be evenly distributed throughout the reach-in interior. This provides us very little temperature variation from top to bottom.

The EverCheck™ control board provides audible and visual signals to the customer to alert them of potential problems as well as certain preventative maintenance needs. Some of the features, provided by these alarms include alerts for high and low cabinet temperatures, excessive defrost times, door ajar and clean air filter signal. “CF” on the digital display alerts the customer that the condenser filter needs to be cleaned. These alarms will not be deleted even if power is interrupted to the machine.

This board also has a separate diagnostic menu that can assist the service tech in diagnosing problems. Some of the items the service tech can perform from this menu include changing the temperature that is shown on the digital display from cabinet temperature to actual evaporator temperature. On freezers, the technician can send the unit into a manual defrost. There is also an unconditional alarm reset. In addition to being able to manually change the operation of the machine, the technician can gain a great deal of information that will assist him in troubleshooting the reach-in. For example the servicer can check the compressor run time for the last cycle and the last 24 hours, along with average percentage of compressor run time for the last 5 cycles. The menu will also show the highest and lowest temperatures of the unit when it last alarmed. Any information that relates to the "last cycle" will be reset to zero if power is interrupted.

I hope this gives you a general idea of some of the differences between the two lines of reach-ins. If you would like more details please contact your local distributor or Hoshizaki.

REACH-IN SHELF INFORMATION

There are different options available when configuring the inside of the reach-in cabinet. These include adding additional shelves, upgrading to stainless steel shelves or replacing the shelves with our patented pan and tray slides.

Each unit comes with three shelves per section as standard equipment. These shelves are epoxy coated and have a capacity of 120 pounds each. With the two section and three section units you will also have center shelves, this allows use of the entire interior storage capacity. These shelves mount between the two larger side shelves. There are mounting holes 1-inch apart on the shelf pilasters. This gives you excellent flexibility to arrange the shelf spacing as needed. You may purchase additional epoxy shelves, from you local distributor or chose the optional stainless steel shelves if desired.

In some cases the customer may desire to use the pan and tray slides. These universal slides can accommodate 17 3/4" to 18" x 25 3/4" to 26" trays

or 12 7/8" to 13" x 20 3/4" to 20 7/8" pans. These pan slides mount in the same holes as the shelf clips and can be used on either side of the box. Each section can hold as many as twenty-four trays or ten pans or a combination of the two. This figure will vary depending on the depth of each pan and will be slightly less when working with half door models.

Service Q&A

Answer by Rodd Burger

Question: I have a KM unit that seems to cycle up, the compressor runs for a few seconds and then the board starts to beep three times. I thought that when the unit was out on error code that it would not start. Is this correct?

Units that have the "E" board installed have several alarms built into them designed to alert the end user of problems before they run out of ice. Most of these alarms prevent the unit from operating until they are manually reset.

The reason your unit appears to be cycling up before the alarm starts is possibly because the output test switch on the board has been left "ON". The output test switch allows us to check the board as well as other components in the machine by energizing each relay on the board. This test not only confirms that each relay will energize but also confirms that each load in the machine is working. If this switch is left in the "ON" position, when the unit is powered up it will go through the test sequence and then go off on the alarm that was activated.

So, you are correct. The unit will not start when you have tripped off on the 1,2,3,4 or 5 beep alarms. It will however, run through the test sequence and may appear to be cycling, if the output test switch has been inadvertently left in the "ON" position.

COMING NEXT MONTH...

- 1.Mechanical bin control, more info...
- 2.New DB series
- 3.Service Q & A