

# **KFMI ICE CHUTE EXTENSION KIT**

# Installation Instructions

## Purpose of the kit:

To allow the installation of a NME or FME series single discharge ice machine up to 8 feet above the storage bin (multiple discharge units require 2 kits). For example, the ice machine could be placed on top of a walk-in cooler and the ice storage bin inside the cooler.

## WARNING: The Structure For The Ice Machine Must Be Designed To Support The Weight Of The Ice Machine.

The location must also meet the requirements for temperature and serviceability as described in the service manual for the ice machine.

## Included with the kit:

1. Tubing connection for the ice machine.
2. Tubing connection for the stor
3. Electric eye extension wires.

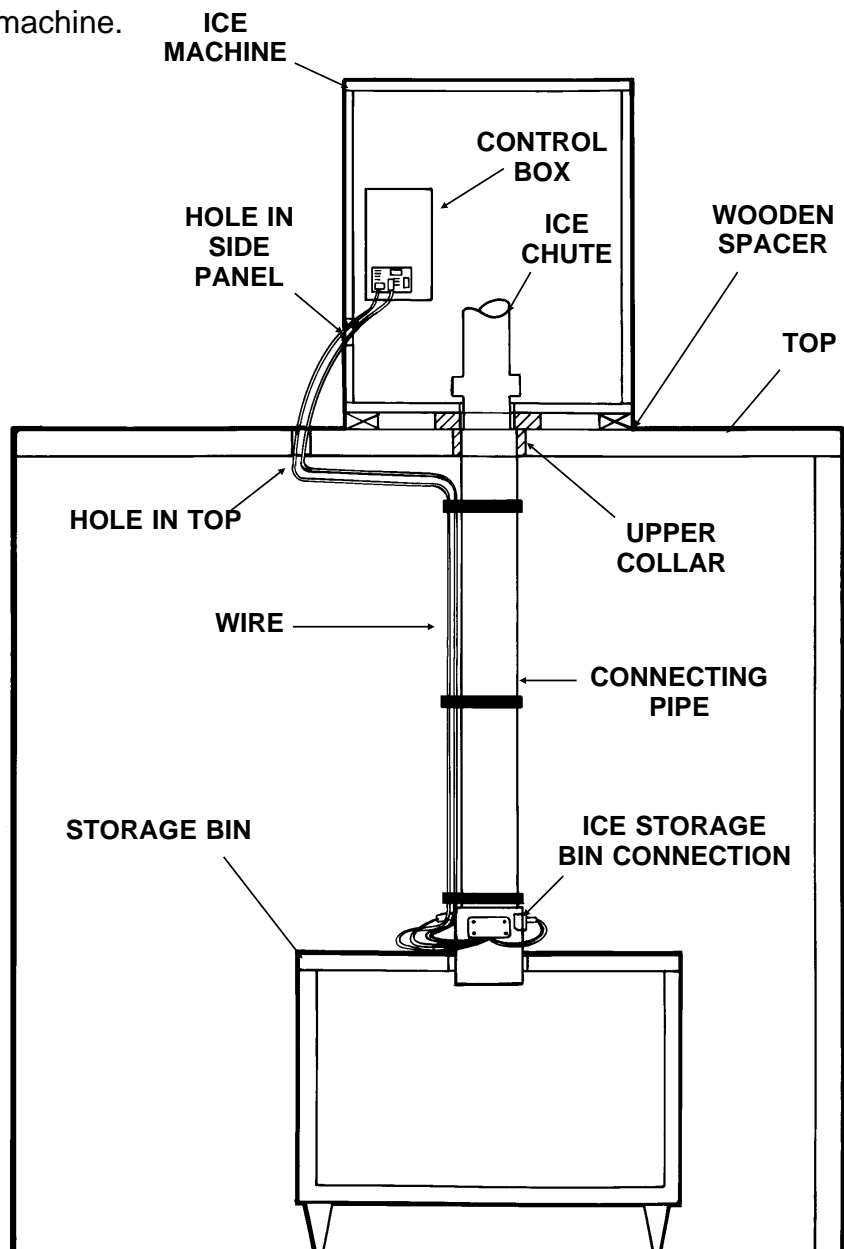
Not included is the tubing, which N.S.F. approved 6" dia. schedule maximum length of 8'.

## To Install:

1. Determine the location of the ice storage bin. The ice discharge tube should enter the ice storage bin as near to the center of the bin as possible.
2. From the location of the storage bin, determine the location of the ice machine. It must be directly above the ice storage bin - no slope is allowed in the ice chute.
3. Cut a 8" diameter hole in the top of the room where the ice machine chute will be.
4. Determine the connecting tube length:
  - A. Measure the distance from the outside of the room top panel to the ice storage bin top.

- B. Subtract 3" from that measurement to obtain the length of tubing needed.
5. Cut the PVC tube to the correct length.
  6. Insert the connecting tube thru the hole from below.

## FRONT VIEW OF INSTALLED KIT & ICE MACHINE



7. Use PVC solvent to fasten the upper collar to the tubing.

8. Install the ice storage bin connection onto the tube using PVC solvent.

9. Cut a 7" diameter hole into the ice storage bin top, and place the ice storage bin connection into the ice storage bin top.

10. Have a pressure treated 2 x 4 ripped into a 1 1/4" wide strip, cut two 2' lengths from that strip.

11. Place the two 2' lengths on the top of the room where the ice machine will be.

12. Place a large bead of food grade silastic sealant onto the top of the collar.

13. Install the ice machine onto the collar and wooden spacers. Center the ice machine's chute over the center of the collar.

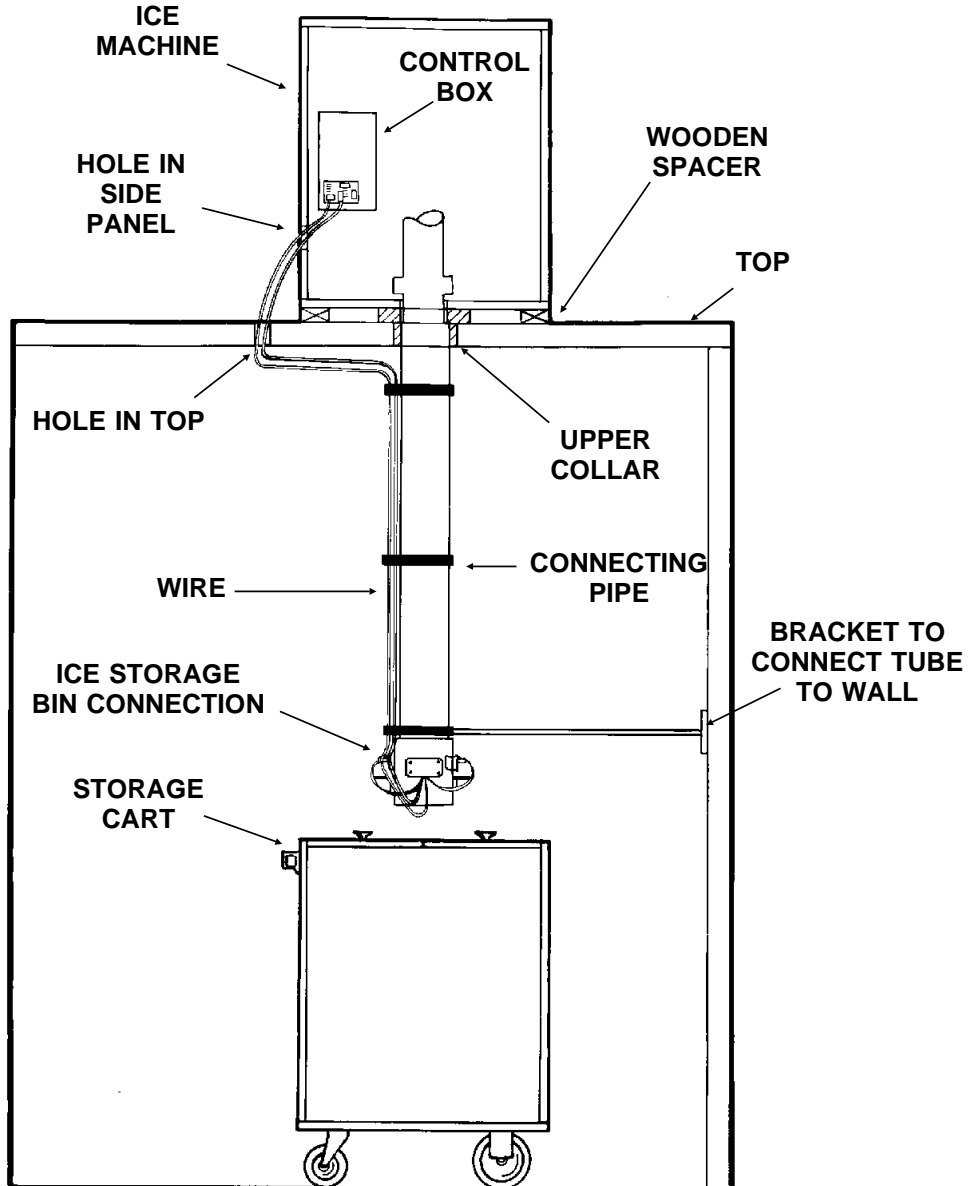
14. Install the ice machine per the normal instructions in the service manual for the ice machine.

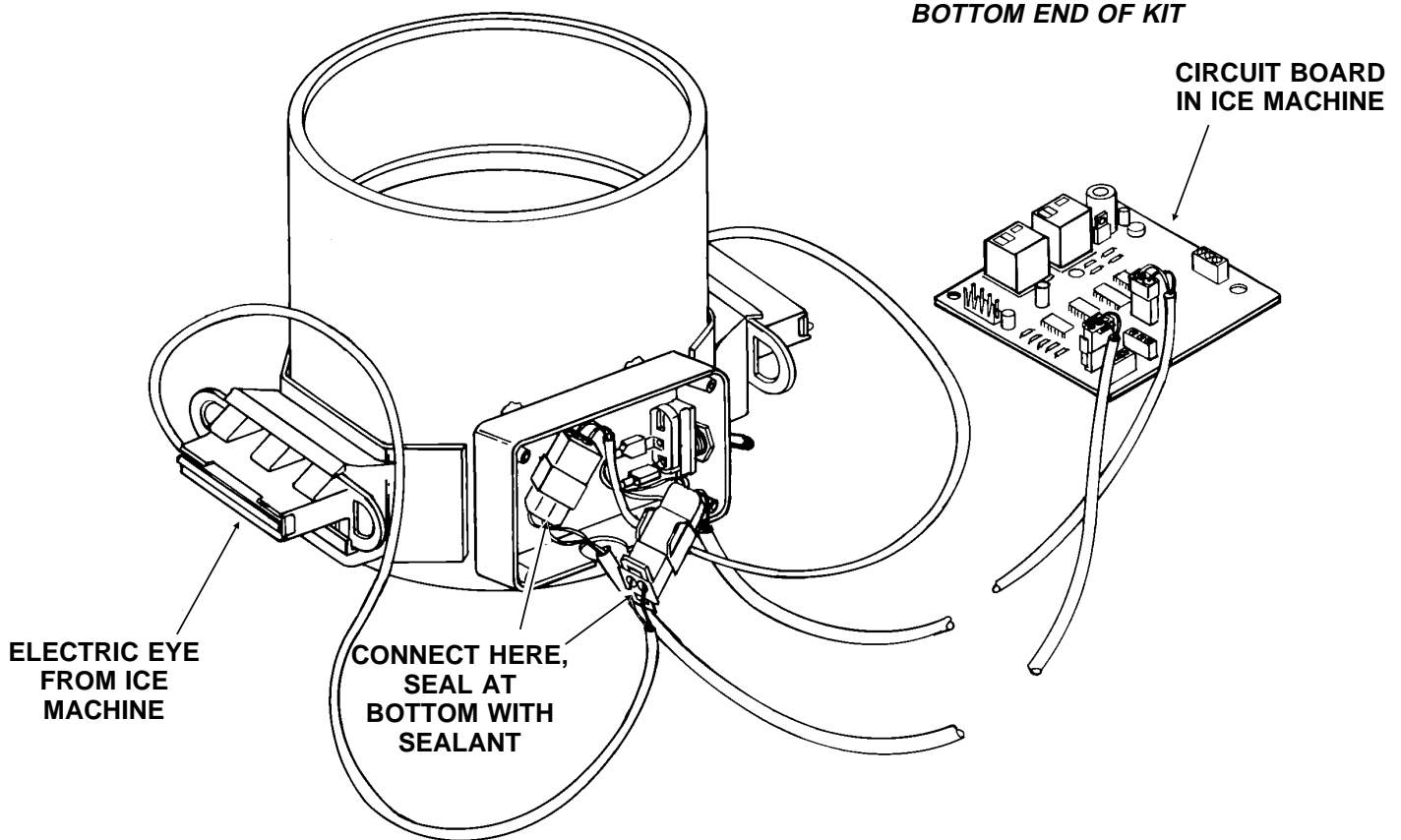
**Instructions Continued**

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Note: When using a cart instead of a fixed storage bin, the connecting pipe will require an additional bracket to secure it to a nearby wall. Bracket is not included with the kit.

**FRONT VIEW WHEN USING A CART**





**WARNING: Disconnect Electrical Power Before Continuing.**

15. Remove the electric eyes from the ice machine.

A. Remove the front panel and the control box cover.

B. Slide the electric eyes out of their positions at the bottom of the ice chute.

C. Tracing the wires, disconnect the electric eyes from the circuit board.

16. Mount the electric eyes onto the lower end of the ice chute. Note: the eyes have a sloped housing, designed to drain any water away from the eyes, be sure that the eyes are mounted sloped side down.

17. Cut a 1" dia. hole in the left side panel of the ice machine, just below the control box (FME2404 & NME1854 place a hole on each end of the machine).

18. Cut a 1" dia. hole in the top of the room, just to the left of the ice machine (FME2404

& NME1854 place another hole just to the right of the ice machine).

19. Install snap bushings into hole made in the side panel.

20. Route the extension wires through the back of the control box, to the ice machine's circuit board (where the electric eyes were) and then route through the room top to the blue box on the bottom of the ice chute.

21. Inside the blue box, connect the electric eyes to the extension wires, and to the toggle switch. Seal the hole in the bottom of the blue junction box.

22. Seal the hole in the room's top where the wires passed through.

23. This completes the basic installation.

The ice maker will shut off when the electric eyes have ice between them, or when the toggle switch is moved to OFF.

Note: Some ice will continue to fall for about 2 minutes after the toggle switch is moved to OFF.