http://haunted.20megsfree.com/props/fogchiller2/index.html

Fog Chiller Design by Dean Rohs

Summary

Most of the chillers I've seen had an intricate design of chicken wire, PVC or flexible pipe and sheet metal that just looks too complicated for me to mess with. Plus there was always the problem of melted ice and water that would eventually have to be drained from the system.

I thought long and hard and came up with a system that eliminates the mess altogether. My design starts with a standard Rubbermaid cooler. I'm not sure of the exact capacity, but the inside measurements are 14" X 9 1/2". Not as large as most designs I've seen, but this model works very effectively. This size acommodates 6, 1/2 gallon milk jugs filled with water and frozen. This eliminates the melted ice problem and gives the fog plenty of room to move around the cooler before exiting.

I cut two holes in the cooler for input and exhaust. The input hole is high enough to accept the nozzle of the fog machine with some breathing room. The exhaust hole is actually a slit cut at a downward angle that forces the fog down and to the sides in a horizontal pattern.

I attached a hinged board supported by chains to hold the fog machine and used a bungee cord to keep the machine on the board. When fully loaded, I can transport the chiller anywhere I want and it's actually pretty well balanced.

A sheet of foam rubber with a hole in the center acts as a gasket between the machine and the cooler. I painted the whole thing black. The only problem I may have is if the weather on Halloween is too cold or windy. In which case, NO fog chiller works well.