



Fog Chiller

LOW-LYING FOG MACHINE • SHOPPING LIST

Full guide with photos and videos: garrettstrommen.com/diy-low-lying-fog-machine-fog-chiller-parts-list

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The core kit

- ☐ **Fog machine + fog fluid** Amazon
Makes the fog. Any small plug-in fogger works; mine is about 300 W. My pick: Donner 500W. Use the fluid made for your machine.
- ☐ **Ultrasonic mist maker, 10 head** Amazon
Sits in the water in the bin and chills the fog.
- ☐ **4" inline duct fan with speed knob** Amazon
Goes on the outlet and pulls the cold fog out low. A waterproof fan is a good upgrade.
- ☐ **Heavy-duty storage tote with lid** Amazon
The chill chamber. Any sturdy bin works.
- ☐ **Hole saw kit** Amazon
Cuts the two holes. A cheap kit is fine.

Hardware store run

- ☐ **Two 4" PVC 90° elbows + a short 4" pipe** Hardware store
One elbow in the lid facing the fog machine nozzle, one out the side wall turned down to the fan.
- ☐ **4" toilet (closet) flange** Hardware store or Amazon
Holds the outlet pipe high in the side wall, above the water.
- ☐ **Soft electrician's tape** Hardware store or Amazon
Wrap the lid pipe until it wedges snugly into the hole. That's the whole seal.
- ☐ **Long 4" flexible metal dryer duct** Hardware store
The tube you can't skip. Poke holes along it so fog seeps out across the yard.

Keep it cold

- ☐ **Reusable ice packs** Amazon
In the water. Colder fog hugs the ground.
- ☐ **Dry ice (optional)** Grocery store
Thicker, lower fog. Grocery stores sell it. Read the safety rules below.

Lasers (optional, the payoff)

- | | |
|---|------------------------|
| ☐ 532 nm green laser line module
Comes with an adapter, mount and magnetic base. | Amazon |
| ☐ 638 nm red laser line module
Comes with an adapter and holder. | Amazon |
| ☐ 488 nm sky blue laser line module
Comes with an adapter and mount. | Amazon |

Build it (one afternoon)

1. **Cut two holes** with the hole saw: one in the lid at one end (fog in), one high on the short side wall at the other end (fog out), above where the water will be.
2. **Seal the pipes.** Tape-wrap the lid elbow until it wedges into its hole. Put the toilet flange in the side hole and fit the outlet pipe to it.
3. **Add the elbows.** Lid elbow mouth faces where the fog machine will sit; the side elbow turns down toward the floor.
4. **Mist maker + ice.** Water in the bin, mist maker in the water, ice packs in the water. Keep the water below the outlet pipe.
5. **Fog machine on the lid,** nozzle pointed into the lid elbow with a small gap (the nozzle gets hot).
6. **Fan on the outlet elbow,** pulling the cold fog out low. Speed down = thicker, slower fog.
7. **Add the dryer duct** to the fan, lay it along the ground, and poke holes along it.

Safety

- The fog machine gets hot: keep people and anything flammable 50 cm (20 in) from the nozzle, don't let the nozzle touch the elbow, use only fog fluid, never open the cover.
- Water and power: plug into a GFCI outlet and keep plugs and power supplies off wet ground.
- Dry ice is about -109°F: gloves or tongs only, never seal it airtight, and only use it with fresh airflow.
- Lasers: mount them so they can't swing. Never aim at eyes, people, cars or aircraft.

Made by Graveyard Garrett · garrettstrommen.com · Happy haunting.