



How To Install a Draft Dodger Evaporative Cooler Diffuser Winter Cover

This instructional video has been produced by your WeatherizationPRO Dealer Network members. It is to show our homeowner clients how to install a Draft Dodger Evaporative Cooler Diffuser Winter Cover.

If you have an evaporative cooler installed in your home, the cooler diffuser and duct system can be a large source of air leakage in your home during the winter months.

Since warm air rises during the winter months, significant amounts of your heated air may be leaking from your home through your cooler diffuser, cooler duct system and even your evaporative cooling equipment installed on the roof. With this air leakage, you are also wasting significant amounts of your hard earned energy dollars.

By installing a Draft Dodger Evaporative Cooler Diffuser Cover on the inside of your home over the cooler diffuser and doing some air sealing work, you can reduce your air and energy leakage.

We recommend always having your WeatherizationPRO Home Performance Professional first measure to determine the actual amount of leakage of your evaporative cooling system using a blower door, and infrared camera and/or air leakage detector (or smoke pencil). You should be present during the blower door assessment, so you can see where, and how much, your evaporative cooling air distribution system is leaking air and energy.

This video will show you how to air seal your evaporative cooler diffuser and duct system using a Draft Dodger winter cover.

Please consult with your local WeatherizationPRO Dealer or Home Performance contractor if you need help in determining what size of Draft Dodger winter cover you

need for the evaporative cooler diffuser in your home.

The tools and materials you will need are:

- **Draft Dodger Evaporative Cooler Diffuser Winter Cover**
- **Paper Type Dust Mask Respirator and Safety Glasses or Goggles**
- **Nitrile Gloves**
- **Low Odor LATEX Caulk - White**
- **Tape Measure**
- **Utility Knife or Scissors**
- **Stable Six (6') foot step ladder or step stool**
- **Several damp cleaning rags**

1. Ordering Your Draft Dodger Evaporative Cooler Winter Cover.

Draft Dodgers are designed to cover “step-down” type evaporative cooler diffusers. It is very important that you order the properly sized Draft Dodger Winter Cover for your evaporative cooler diffuser. Using a tape measure, measure both the outside dimensions of the flanges on your evaporative cooler diffuser and the inside dimensions of the duct / diffuser box. Write these dimensions down.

2. Check our WeatherizationPRO.com website or call your local WeatherizationPRO Dealer Member to order the exact properly sized Draft Dodger Winter Cover.
3. We recommend also installing a canvas winter cover over your evaporative cooling equipment on the roof to protect the equipment during the harsh winter months.
4. Once you receive your Draft Dodger, remove it from the package and make certain it fits over the outside of your evaporative cooler diffuser.
5. As you begin the installation of your Draft Dodger, you should take all normal necessary safety precautions and use good safety practices. You should always wear a respirator

or dust mask, safety glasses or goggles, and nitrile gloves as you are installing your Draft Dodger.

6. Before you begin installing the winter cover on your evaporative cooler diffuser , you should clean the dust and dirt from all surfaces of the ceiling around the diffuser with a clean, damp cleaning rag, and dry the surfaces with a drying rag or towel.
7. We recommend air sealing your evaporative cooler diffuser before you install your Draft Dodger. This is accomplished by caulking around the outside edges of the flanges where the diffuser fits against the ceiling.
8. Your Draft Dodger comes with magnetic strips all around the outside edges of the winter cover. The magnetic strips are strong enough to hold the Draft Dodger to most metal or steel cooler diffusers.
9. Many cooler diffusers these days are made of aluminum or plastic, so the magnetic strips will not hold the winter cover in place. For these applications or if you want to get a great air seal anytime, we recommend purchasing a small roll of one inch (1") or two inch (2") wide white poly tape and taping the edges of the Draft Dodger to the edges of the evaporative cooler diffuser and the ceiling.
10. When your Draft Dodger Winter Cover has been installed and you have inspected your own work, you may dispose of the nitrile gloves and rags in your normal plastic garbage bags and containers.
11. After completion of your project, be sure and clean the entire work site, and call your WeatherizationPRO Home Performance Dealer to come back and re-test for air Leakage with their blower door and other Home Performance diagnostic equipment.
12. Next spring or summer as you are ready to use your Evaporative Cooling System to

cool your home, you may remove the Draft Dodger and store it for the cooling season months.

Special Note: For maximum energy savings and comfort, we highly recommend air sealing and adding the Department of Energy recommended levels of insulation in your attic area.

- Before insulating your attic, we recommend that you have your Home Performance Dealer / Contractor inspect all ductwork on your evaporative cooling duct system. They may suggest that the cooler duct be air sealed completely using a 2 component air sealing and insulating foam such as Honeywell EnovatePRO Polyurethane Foam. Just two inches (2") of this insulating foam will result in a R-Value of twelve (12) to thirteen (13) on the outside of your duct system, and will allow no air leaks, so all the cooled air from your evaporative cooler will be delivered inside your home living environment.

(Sentence below scrolls across video page as it is read to finish video)

For more information, or to purchase your Draft Dodger Evaporative Cooler Winter

Cover, contact your local WeatherizationPRO Dealer / Contractor or call our national

WeatherizationPRO headquarters in Denver, Colorado at 303-978-1500. You may also

return to the home pages of our WeatherizationPRO.com website and contact us

electronically.