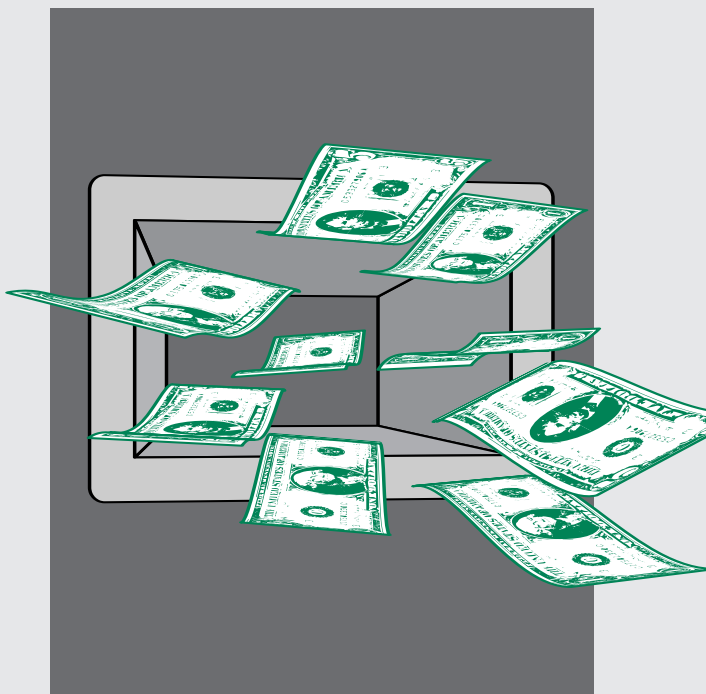


NAIMA

North American Insulation
Manufacturers Association

HOW YOUR
DUCTWORK CAN
SAVE ENERGY
DOLLARS AND
REDUCE POLLUTION



How To Stop Your Duct System From Wasting Energy

Did you know that most home heating and air conditioning systems waste energy? If that waste can be stopped, heating and air conditioning systems all over America will use less energy.

Asking for a high-efficiency fiber glass duct system in the home you're planning to build or remodel will help you save money on your energy bills. Reducing the energy requirement of your existing HVAC system will also help reduce pollution caused by power generating plants.

THINGS YOU CAN DO...

■ Change The Filters

Clogged filters make your system work harder which in turn uses more energy. Change them at least twice a year – Spring and Fall.

■ Stop The Leakage

Sheet metal duct systems waste energy because they leak (as much as 30%) and because metal is a poor insulator. After cleaning the duct surface, seal up the joints with a high quality duct tape from your hardware store, then insulate.

■ Insulate Where You Can With Faced Fiber Glass Duct Wrap

After sealing, wrap the sheet metal ducts with a minimum of 2" thick fiber glass duct wrap blanket insulation. The facing helps

prevent dripping caused by moisture vapor condensing on the cold duct surface. If the duct is used for cooling, it's important that all seams are sealed. For maximum results, follow the manufacturer's recommended installation procedures.

■ When You Build Or Renovate, Insist On A Fiber Glass Duct System

A fiber glass duct system doesn't use metal – it's made from rigid fiber glass insulation boards formed into rectangular or round ducts. Fiber glass duct systems have built-in energy savings and, when properly installed have relatively air-tight joints that eliminate leakage common with sheet metal ducts.

IT DOES 4 JOBS IN ONE:

1 Delivers Air Efficiently

When fabricated properly, a fiber glass duct system has minimal air leakage. And because the duct is made from fiber glass insulation, air in the duct is transmitted to the grilles and diffusers at design temperatures. You'll have a more comfortable, draft-free HVAC system that will save energy and money.

2 Eliminates Equipment Noise

The built-in fiber glass acoustical insulation reduces the transmission of heating / cooling system noise through your duct system to the rooms of your home. There is no popping, cracking or air rush noise – just quiet comfort. In addition, it reduces noise transferred from one room to another through the ducts.

3 Minimizes Condensation Problems

Bare metal air conditioning ducts sweat any time the duct surface temperature is below the dew point temperature. Moisture condensing on the cold surface may drip and cause moisture damage and rust. Fiber glass air ducts minimize this problem.

4 Attractive Appearance

A fiber glass duct system has a bright metallic aluminum jacket that is functional and presents a neat, finished appearance.

So, for now, seal and insulate your old metal ducts. In the future, ask your HVAC contractor to install fiber glass duct systems in your next home or remodeling project.

OWN A HEAT PUMP?

Fiber glass duct systems help you get the most out of this efficient, clean way to heat and cool your home.



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