

Comfortable Living



Climate Control Newsletter
Spring 2014

In This Issue:

Why are clean air filters important to you?

Learn the benefits of clean air filters.
See Page 1

Spring Time Crafts

Celebrate springtime easy, fun, and cheap crafts for your kids.
See Page 2

Design an Ad

See our Design an Ad Entries
See page 3

Riddles

See Page 4

What would you like to see in our future Comfortable Living Newsletters?

Sound off on our Facebook page by scanning the QR code below with your Smartphone or by going to www.facebook.com/ClimateControlProfessionals



Why are clean air filters important to you?

To change the temperature in your home, your heating and air-conditioning system sucks in air from a room, pulls it over coils to heat or chill it, then blows the tempered air through ducts to the other rooms in your home. The air filter is stationed at the point where air is pulled into the system. It traps air-borne particles that get sucked in with the air and keeps them from blocking the blower and clogging up the coils. Clogged coils can't heat or cool the air passing over them, and they may damage the system. So, the air filter helps your heating and cooling system do its job, keeps it running efficiently and protects it so it will last longer.

Filters also help to keep dust from building up in your ducts, or being blown into other rooms of your house. In recent years, this air cleaning function has become more important to homeowners, and manufacturers have designed filters that use your heating and air system to remove microscopic particles like dust, pollen, pet dander, bacteria, plant and mold spores, and even smoke from the air in your home.

It's an often heard maxim: Clean air filters save energy and money. Routinely changing or cleaning the filters from your home's heating and air conditioning system helps the units run more efficiently and enjoy a longer lifespan. But what do these filters really do? How can you tell if they're working? How often should you change them, and what should you do if they look clean when it's time to replace them?

A properly sized, installed and functioning heating and air system circulates the air in your home every hour. In the process, it pulls the air through the filter. Just how much the filter cleans the air depends on the MERV rating of the filter.

Cont. Page 2

Winter Newsletter Winners!



Larry & Ellie
Heintzman
\$100.00



Kenneth Berger
\$50.00



605-225-9822

www.climatecontrolprofessionals.com

Spring Into Spring

Start off with Spring Cleaning

It's good to have a fresh, clean home in the new season. After winter, your home is probably in need of a good airing and tidying up of things that have accumulated during the winter

Consider getting a new look

Spring is a great time for considering a makeover of your existing look. Have you had the same hairstyle for the past several years? Is your wardrobe due for an update?

Find new ways to Relax

Spring is a wonderful time of blossom, scent and relief after the colder days. Think of all the butterflies blooming, the bees buzzing, and the smell of freshly-mowed grass. Allow yourself to unwind from the hardships of winter forbearance and rediscover how to relax.

Pick or buy some new flowers

Fresh flowers from your own garden or from a local flower provider will make your house colorful and pretty.

Go outside

As soon as the weather begins to warm up, spend more time outdoors. If you've been exercising indoors a lot, switch to some more outdoor exercise to benefit from the fresh air and sunshine.

www.wikihow.com/spring-into-spring

Why are clean air filters important to you? (cont.)

MERV stands for Minimum Efficiency Reporting Value. MERV ratings indicate the size of particles that a filter can remove from the air passing through it. MERV's range from 1 to 16, with a higher number indicating a higher cleaning efficiency because it can filter smaller particles out of the air. The cheap, 1-inch thick, disposable filters made of jumbled fiberglass or natural fiber strands typically have a MERV rating of 1 but can go up to 4. Pleated filters made of nonwoven, disposable fabric have smaller pores, and the pleats increase the surface area of the filter so it can hold more particles than a flat surface can.

The particle catching efficiency actually goes up as the filter gets dirty; buildup on the fibers shrinks the openings the air passes through and allows the filter to capture more particles. This is good only up to a point. The particle-removing efficiency of the filter is inversely related to the energy efficiency of your heating and air system. A by-product of cleaning the air is a restriction of the air-flow through the system. A clogged filter may cause your system to run continuously, driving up your heating or cooling bills. That's why it's important to check your filters monthly and change them when they get dirty.

If your filter looks clean after its been in place for the recommended time, here are some things you should check:

1. Does the filter fit properly into the holder? If the filter is loose or too small for the space, the air can circulate around it instead of going through it. Measure the filter space and purchase a filter that fits snugly.
2. Is the filter installed upside down? There is a correct air-flow direction for most air filters. Look for arrows on the filter frame, and install the filter so that the arrows point toward the fan.
3. Is the filter you're using right for the job you want it to do? If you're using a low-end filter, it's not going to catch much dust. Upgrade to a filter with a higher MERV rating to increase the cleaning efficiency.
4. Check your rate of air exchange. If your system is functioning properly, it should run for about 15 minutes per cycle, with a cycle rate of not more than three in an hour. If it runs shorter cycles, it isn't creating the desired rate of air exchange. Call a professional and get your system checked.

What's in a MERV?

The Minimum Efficiency Reporting Value, or MERV, is an industry standard rating to let consumers know how well an air filter cleans the air passing through it. Most filters will state the MERV rating on the packaging. It indicates the size of particles, measured in microns, which a filter will capture. The higher the MERV rating is, the smaller the particle it can grab. To give you an idea of particle size:

- A human hair is around 60 to 75 microns.
- Dust particles range between 0.5 to 5 microns.
- Pollen can be as big as 100 microns or as small as 10 microns.
- Smoke carries particles as small as 0.3 microns.

[sources: INDA, Howarth and Reid, www.howstuffworks.com]



Your comfort is our specialty!

605-225-9822

www.climatecontrolprofessionals.com

SPRING TIME

Nature Corner

EGG CARTON : Paint the bottom of each compartment a different color, then challenge kids to find natural souvenirs in a matching hue.

MAGNIFYING GLASS: Encourage your family to take a closer look at things and discover treasures hidden in plain view, such as the silvery veins on a leaf or tiny mites on a decaying log.

MAGNETS: Run a strong magnet across the soil to see if the iron bits are lurking about (they'll stick to the magnet).

WATER-FILLED SPRAY BOTTLE :

See how a gentle spritz can change the look of things, such as spider webs and color shifting rocks.

HOMEMADE SOIL SLIDES:

Cut a 1/2 inch square in a note card and cover the hole with a piece of clear tape. Press the sticky side against the soil, then use a magnifying glass to discover its individual components.



Courtesy of FamilyFun Magazine and www.spoonful.com/node/1506


DESIGN an AD

AmericanNews



We're # 1 in Heating and Air Conditioning, but we can also handle your # 2.

Bob Brewer
Master Plumber
Climate Control




225-9822 12999 386th Ave Suite #21
www.climatecontrolprofessionals.com Climate Control

Bella B. - 3rd Grade


Climate Control your comfort our Specialty! Call us (605) 225-9822

Thanks for letting us let you be comfortable with climate control!



Ruthie H. - 4th Grade

Climate control is where my dad guy works. Climate control is the best fixing crew ever!

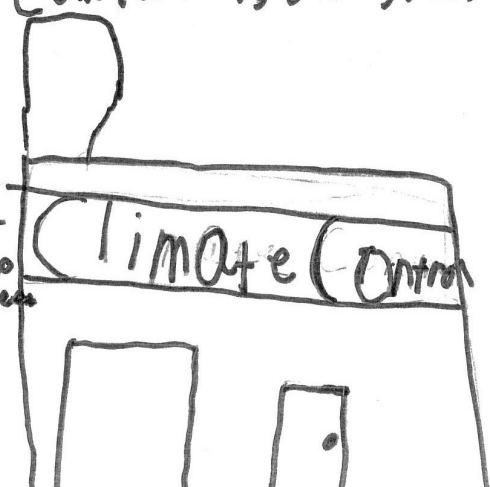


Eilene H. - 2nd Grade

YOUR COMFORT IS OUR SPECIALTY

Climate Control

605-225-9822 1910 130th Street N W



DJ G. - 5th Grade

We Offer All Heating and Cooling Services

- Preventive maintenance
 - Fireplaces
 - Humidifiers
 - Programmable Thermostats
 - Zoning Systems
 - Refrigerant leak repair
 - Indoor air quality
 - New Gas or Electric Furnaces/Boilers
 - New Central Air Conditioners
- ...and more!**



Call 605-225-9822

www.climatecontrolprofessionals.com



Each student participating in this years



for Climate Control will receive a prize and we will send \$25.00 to their classroom.



1910 130th St NW
Aberdeen, SD 57401

Climate Control Dust Control

It's about that time again!

If you live on a gravel road,
you may want to consider having
Dust Control DustGuard
applied to your road.

DustGuard helps eliminate dust in
and around your home or office
as well as many other benefits.



Call today for more information or a quote!

605-225-9822

Spring 2014

WIN \$100.00

4

Limit 1 entry per person. No purchase necessary. A purchase will not improve your chances of winning. Winner will be selected at random within 30 days of entry deadline. All decisions are final. All entrants agree to contest rules, which require winner to sign a prize and publicity release unless precluded by law. Must be 18 to enter. Failure to comply results in disqualification. Entries void if incomplete or illegible. No responsibility is assumed for lost, late, or illegible entries. Company employees and family members are ineligible. Odds depend on the number of entries received. Acceptance of the prize implies consent to use name and image in promotional material with the prize as compensation. All taxes are the responsibility of the winner.

Complete and return for a chance to win a \$100 gift card. If you correctly answer the three questions below, we'll enter you in a drawing for \$100 cash. Second prize will be \$50 cash. All entries must be received by 5/1/2014. Mail to: Climate Control, 1910 130th St. NW, Aberdeen, SD 57401 or scan and email to info@climatecontrolprofessionals.com

1. What does MERV stand for? _____
2. .5 to 5 microns is how small _____ particles are.
3. What is the most important thing to you about your HVAC or Geo System?
A. Comfort B. Payback C. Initial Price D. Quality E. Ease of Installation

Riddles

1. What has a face and two hands but no arms or legs?
2. What begins with T ends with T and has T in it?
3. What gets wetter as it dries?
4. What is round on both sides but high in the middle?

Name: _____
Address: _____
City: _____ State: _____ Zip: _____
Email: _____
Phone: _____ Best Time: _____

Please contact me about:

- Humidifier
- Dehumidifier
- UV Light
- Electronic Air Cleaner
- Heat/Cool system maintenance
- Upgrading heating/cooling equipment
- Dust Control/Ice Melt
- Fireplace

Answers

1. A clock 2. A TeaPot 3. A Towel 4. Ohio



(605) 225-9822

www.climatecontrolprofessionals.com

