

DRAKES DUCK POND NEWS



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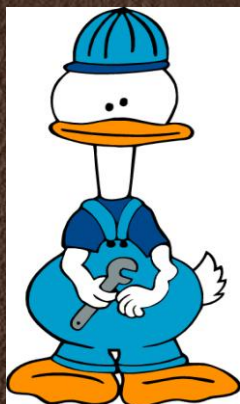


Integrity Counts!
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"If it can go wrong it will go wrong at the worst possible time" –Murphy's Law

New Heating and Cooling Things-N-Stuff

I thought I would write a newsletter this time about what is the new up and coming technology out there in the plumbing, heating and air conditioning world rather than just sending out newsletters about what needs done around your home. I know that I myself am usually interested in learning about the advancements in our field and even in other fields so please don't take this newsletter as trying to sell you anything. I just thought you might find it interesting to see what is out there and how new technology is changing the way we all feel and act about home comfort.

Wi-Fi Thermostats? Did you ever notice that almost every electronic device in the new home is Wi-Fi? Your DVD player, Your new flat screen, Your Phone, laptop, x box, play station and the list goes on, even that new digital book you are reading. So why not your thermostat. If you travel a lot or want to have more control over many things like, de-humidification, humidification, fresh air intakes, temperatures and so much more than that there are now thermostats out there that you can log into from your phone or computer and change the temperature, check humidity levels, outdoor air sensors and so much more. Who would have ever thought that when you were getting ready to come home from your trip you can log into your thermostat and change the settings back so it is warm or cool when you get home rather than 60 degrees like you left it when you left? Pretty neat, both Bryant and Eco-Bee has these now.

Fresh Air Make up units: Did you know that indoor air quality is on the EPA's top five hazard lists? Well it is. Indoor air quality especially in newer homes is usually way worse than it is outside due to how tight new homes are built. This keeps in all the bad things from cooking and everything else that goes on inside a house. Especially in the winter since no one opens their windows to let fresh air in on a January day. Bryant has a couple of neat products that can be combined with your furnace to solve that. One of them is called an ERV and depending on how you set it will exchange a portion of the outside air to the inside. A second option is the new Perfect Air Filter from Bryant. This air filter will actually kill Anthrax, the flu virus and many others which with the triple filtration it has can eliminate a lot of the nasty odors and things floating around in our homes air.

Evergreen Electric Motor: The standard electric motor is called a PSC (permanent split capacitor) motor. This motor uses an old outdated technology that typically has one setting, ON. The evergreen motor is an ECM (electronically communicated motor) that is new energy savings technology. It is designed to be ON continually at low speed and then turn up to high speed when the thermostat indicates. Running continuously keeps the air circulating which helps prevent temperature swings and draftiness in your home and also makes your air filter and humidifier work better. There are also other benefits such as; quietly ramps up to its high setting, uses 30-50% less electricity than PSC motors, results in lower energy bills over standard motors, and can be retro-fitted into your existing equipment.



When was the last time you changed your water filters?

Do you have water filters in your home, maybe under the sink, in your refrigerator, a whole house filter in front of the water softener or where the well piping comes into the home? If so those need to be changed on a schedule just like your furnace in order for proper water flow and sanitary reasons. If you have a refrigerator with an ice maker and water dispenser most likely you have a filter that is inside the refrigerator. Those tend to get pretty gross after about 6 months and can actually start to grow algae and bacteria. If you have a drinking water dispenser at your kitchen sink there is most likely a filter under your sink that needs changed on a regular basis as well. Usually on the filter it will tell you how many gallons they are good for and you can do a rough guess of how long that takes. If you have special filters and are having trouble locating us give us a call and we can locate them for you.

COMMUNITY ORGANIZATIONS THAT DRAKE MECHANICAL SUPPORTS:

EL KORAH SHRINER'S (SHRINER'S HOSPITALS FOR CHILDREN)

<http://www.elkorah.org>

BOISE NOON OPTIMIST YOUTH FOOTBALL

<http://www.boiseoptimist.org/>

NAMPA VALLEY LITTLE LEAGUE

<http://www.nampavalleylittleleague.com/>

BOISE RESCUE MISSION

<http://www.boiserm.org/>

YOU CAN ALSO FIND US ON FACEBOOK AND TWITTER, CHECK OUT OUR BLOG AT www.drakemechanical.com FOR OFTEN UPDATED EDUCATIONAL ARTICLES.

FACEBOOK:

www.facebook.com/drake.mechanical

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<http://twitter.com/DrakeMech>



What about Plumbing Stuff?

Some new Water Devices that are revolutionizing our trade and saving you money

NUVO Water Softener: The NUVO water softener is a pretty neat piece of technology that is really simple. It is a water softener that uses no electricity and dumps no water down your drain to recharge its system and does not use big heavy bags of salt that you have to pack home from the grocery store every month. This system uses a citric acid that has been approved by the FDA to encapsulate the hard water minerals and lime scale and prevent them from sticking to you and your appliances, water heater, faucets, shower doors and the dishes in your dishwasher. After about 2 months you will notice that existing hard water deposits in your home are disappearing. This is because it will actually remove the hard water deposits that are existing on your faucets and other places. The best part, it doesn't use salt so there is no greasy shower feeling. You just get out of the shower feeling refreshed and clean. When 6 months is up you remove the old cartridge, drop in the new one and in 60 seconds are up and running again. On top of everything else that is neat about this is the fact that it just hangs on your wall rather than taking up space on your garage floor or other room in your home and has a lifetime guarantee on the housing.

Eternal Hybrid Gas Water Heater: In the Eternal Hybrid water heater is a combination of tank type water heater and a tank less water heater. Inside the eternal water heater water is pushed in from the bottom rather than the top which helps with sediment buildup, it is then pushed through 44 radiating transfer pipes in a 3 cycle process that maximizes energy and heat transfer. The end result is a 98% efficient water heater that can supply endless hot water with minimal pressure loss. It can be ducted easily, has ultra low CO2 emissions and self cleans itself. The tank is also stainless steel and has a 20 year residential warranty and a 10 year commercial heat exchanger warranty. It can be either wall mounted or floor mounted which will also save you on space. One customer in Boise stated that he took out his boilers which heated both his home and his hot water, replaced them with one of these and he is comfortable, has endless hot water and his heating bill has been literally cut in half. That means that the payback rate is very high.



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FURNACE FILTERS (yes we are saying it again, this is important to the life of your heating and cooling system)

DO YOU HAVE A FURNACE IN YOUR HOUSE? DO YOU REGULARLY CHECK AND CHANGE YOUR FURNACE FILTERS? EVEN IF YOU HAVE THE AIR CONDITIONING ON IT IS STILL USING THE FURNACE TO MOVE THE AIR IN YOUR HOME. IF YOU DO NOT THEN YOU ARE ONLY HURTING YOUR WALLET AND YOUR FURNACE AND AIR CONDITIONER. CHANGING FURNACE FILTERS REGULARLY HELP KEEP THE AIR FLOWING THROUGH YOUR FURNACE EASILY AS DESIGNED BY THE FACTORY AND ALSO HELPS PREVENT PERMANENT DAMAGE. (CONTINUED BELOW) IF YOUR FILTER IS DIRTY OR PLUGGED THEN YOUR POWER BILL IS GOING TO REFLECT THE FACT THAT YOUR AIR CONDITIONER HAS TO RUN LONGER TO COOL YOUR HOUSE DOWN AND VICE VERSA WHEN HEATING. THE OTHER THING TO CONSIDER IS THAT YOU INSTALL A GOOD QUALITY FILTER.



ENERGY EFFICIENT HEATING AND COOLING SYSTEMS THAT WILL SAVE YOU MONEY!

IF YOU PICK IT UP AT THE STORE AND CAN SEE CLEARLY THROUGH IT CHANCES ARE IT WILL NOT CATCH MUCH DIRT AND DUST. IF YOU DON'T HAVE A FILTER ALL THAT DUST THAT BUILDS UP ON YOUR COUNTERTOPS IS ALSO BUILDING UP INSIDE YOUR FURNACE AND AIR CONDITIONER AND CAUSING IT TO NOT WORK EFFICIENTLY AS WELL. AS THE PRICE OF GAS AND EVERYTHING ELSE GOES UP THESE LITTLE THINGS CAN HELP KEEP YOUR MONEY IN YOUR POCKET WHERE IT BELONGS.

SAFETY TIP:

If you have a gas appliance in your home it is an extremely good idea to have a CO2 detector. You never know when it could save you and your family's life. Cracked heat exchangers, bad or plugged flue piping, or even an oven left on can cause dangerous or fatal levels of CO2 to build up without you knowing it. New codes are requiring that we even install them if we install a new furnace or any gas appliance in a home.

New plumbing stuff (Continued)

Kohler Wellworth High Line: One of the neat things that Kohler just came out with is the new Wellworth High Line Toilet. It comes in comfort height and is also approved for ADA use. It has a class 5 flushing system and actually flushes better than the Cimmaron toilet that we have been offering. Kohler has helped us get the price down on this toilet for a better toilet at less money.

Delta Touch Sensor Kitchen Faucet: There is a really neat new kitchen faucet out if you do a lot of cooking that can simplify cleaning for you. This is a faucet that you can turn on the handle, set it to the temperature you want and leave it on. From there you can touch it with your wrist or arm and cause it to turn on and off. If you are cutting up meats and other foods and are tired of touching the handles and then having to wash the meat and food off the handle this is the faucet for you. Simple to use, battery operated so there is no expensive wiring that has to be done. It even comes in a number of finishes from Brushed stainless steel to chrome. You can even get a matching in sink soap dispenser that will keep your counter clutter free by having the soap in a clean looking surface mount metal soap dispenser.



Your Garage and You

Do you do a lot of work in your garage? Restore cars or do wood work or crafts? Tired of trying to use electric space heaters or dangerous non-vented propane or kerosene heaters that fill your garage with Co2. We have the solution for you.

If you don't want an expensive unit heater hanging down below the ceiling you can have a horizontal furnace that is either gas or electric installed in your garage attic that is ducted, filtered and easy to control with a standard wall mounted thermostat just like the one for your home. We have put a few of these in and people's energy bills actually went down from trying to use space heaters. They are also more comfortable and have an even heat source throughout.

The added bonus is that if you do a lot of work in the summer you can also add an air conditioner and have a nice cool garage.



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New Inverter Air to Air Heat Pump, The Bryant Evolution Extreme

This is a pretty just plain amazing piece of technology and I would have to say I saved the best for last. This heat pump will put out 90+ Degree air without kicking on your backup heat at zero degrees. Over 100+ degree air at 5 degrees outside air temperature. It has an energy factor of 13 where the previous top of the line "Best" heat pump had an energy factor of 9. This means a huge savings. In comparison by a rough estimate if you have an 80% efficient gas furnace what you would pay for one Million btu's of heat is around \$24.00. This heat pump will cost you roughly \$6.50 for that same Million BTU of heat. This is the closest thing you can get to having a water source heat pump without spending the big money on drilling wells or tearing out half your yard to bury pipe in the ground for the heat transfer medium. In simple terms, it does what no other heat pump can do. Saves you money by doing things that no other heat pump can do.

TO SAVE YOU MONEY WE OFFER HIGH EFFICIENCY, ENVIRONMENTALLY FRIENDLY RHEEM HOT WATER HEATING PRODUCTS. FOR MORE INFORMATION ON HOW TO START SAVING MONEY WITH RHEEM PROFESSIONAL ENERGY STAR WATER HEATERS PLEASE CALL US FOR AN APPOINTMENT AT 208-362-6200 OR CONTACT US ON OUR WEBSITE AT <http://www.drakemechanical.com/contact-us.htm>



**LOOK FOR THE GUYS IN THE
BIG.....
YELLOW
TRUCKS!**



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