

Rogers Plumbing & Heating

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Rogers Plumbing & Heating is committed to providing superior equipment, service solutions and customer service using advanced technologies and the expertise of our team of plumbing professionals for the continuing success of our clients and our company while advancing the world we share.

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Client Appreciation

It goes without saying that without clients we would not be in business. All of our clients are extremely important and each month we recognize a particular client for the confidence that they placed in our firm. For the month of October we recognize Mr. Allan Doerr of Glen Morris, Ontario. For the month

of November we recognize Ms. Stacey Goodwin, St. George, Ontario and for the month of December we recognize Mr. Michael Gaw of Brantford, Ontario. Each month we also make a donation to organizations which are contributing to the community in which we live and

thank all those who give of themselves for the greater good. The recipients were: October- **FiveOaks Centre** www.fiveoaks.on.ca November- **The United Way.** December- **The Heart and Stroke Foundation.**

"Only a life lived for others, is a life worthwhile"

-Albert Einstein



The Professional Plumber

WINTER

Special points of interest:

- Plumbing Codes
- Plumbing Basics
- Plumbing and Public Health
- Viessmann Mfg.
- Mission Statement

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Plumbing Codes

Plumbing is both an art and a science. Most of what plumbers do when designing or repairing a system is dictated by local, provincial and national codes. Codes specify the internal diameter of pipe that must be used for a particular plumbing section or function. In the water supply system, for example, pipe of increasingly smaller diameter is called for as the supply pipes branch out from the water main that enters the house. Water in the main is under tremendous pressure— far more than can be handled by the individual sinks, toi-

lets and appliances in the home. The successive drop in pressure as the water moves from main, to primary lines to secondary supply lines ensures that each appliance receives an appropriate amount of pressure. Codes also prescribe where shutoff valves should be placed, what pipe materials can be used for given functions, what kinds of fittings are needed to safely join pipes or create branches and the amount of slope or grade that drain pipes need to function properly.



Plumbing System Basics.....Water Pressure

Water pressure is fuel for the plumbing system. Distributing, manipulating and preserving water pressure is the plumbers stock in trade. All plumbing fixtures from simple laundry hoses to toilets to the nozzles on an expensive hot tub are designed

to operate within a fixed range of pressure, and it is the plumbers job to ensure that each receives that pressure, no more, no less. The plumber and the plumbing designer rely on the internal diameter of the water delivery pipes to control water

pressure. The smaller the pipe diameter, the greater the velocity of the water moving through it. *"Don't sleep with a drip, call your plumber"*

“Be faithful in small things, because it is in them that your strength lies”
-Mother Teresa

What is Hard Water?

Hard water contains large amounts of calcium and magnesium—two minerals that cause the soapy scum on glasses and lime residue on bathroom fixtures. While suitable for drinking and gardening, hard water can cause mineral build-up in water heaters, pipes, dishwashers and showerheads, reducing its flow. Soap and shampoo’s ability to lather is reduced, and laundry becomes stiffer and duller in appearance. Life expectancy for water appliances is greatly reduced and the cost of energy required to counter the effects of hard water is substantial and ongoing. The cost of chemicals and cleaning products is also substantial, although not readily noticeable because of inclusion in the cost of other items we purchase through the grocery store for example. If we were to purchase our cleaning products separately from our grocery items, we would be much more aware of the true cost to counter the effects of hard water. The cost to heat water is greatly reduced when steps are taken to remove hard water minerals at the source.

Interesting Water Facts

Water is the only substance on earth found naturally in 3 forms—liquid, solid and gas.

It takes 39,090 gallons of water (no it’s not a misprint) to manufacture a new car including tires.

Only 1% of the earth’s water supply is suitable for drinking water.

It takes 62,600 gallons of water to produce 1 ton of steel.

66% of the human body is water.

Water

“IF THERE IS MAGIC ON THIS PLANET, IT IS CONTAINED IN WATER.....IT’S SUBSTANCE REACHES EVERYWHERE; IT TOUCHES THE PAST AND PREPARES THE FUTURE; IT MOVES UNDER THE POLES AND WANDERS THINLY IN THE HEIGHTS OF AIR. IT CAN ASSUME FORMS OF EXQUISITE PERFECTION IN A SNOWFLAKE OR STRIP THE LIVING TO A SINGLE SHINING BONE CAST UP BY THE SEA.”

Something to think about.

A recent article in *eOfficial* magazine reports on how plumbers should be the first line of defence in the fight against health problems caused by poor sanitation. There is often a strong correlation between poor plumbing practice and disease outbreak. The latest outbreak of H1N1 is reported to have its origins in one of the largest pig farms in the world, in Vera Cruz, Mexico. A newspaper from the region has reported that fecal matter contaminating the runoff water from local pig farms was suspected of being the starting point of this strain of flu. We don’t have to look too far into the past to recall other serious breaches of public health as a result of poor plumbing. The publicity surrounding the production and delivery of the vaccine for the H1N1 virus has masked to some extent the factors around how to prevent these viruses from occurring and as we have witnessed with waterborne diseases such as occurred in Walkerton, Ontario and Legionnaires Disease in North America, poor plumbing practice has a significant impact.



Health Aspects

From time immemorial man has been concerned with obtaining and maintaining pure and wholesome water supplies. Archeological studies reveal that as early as 3000 B.C. the ancient Egyptians had a government official, the Vizier, who was required every ten days to inspect the water supply for the whole land. The Egyptians were also aware of such treatment as boiling, filtration, distillation and clarification of water by coagulation. About 1800, in both France and England, chlorine was used to treat water and in 1834 a Dr. Robley Dunglison suggested that marsh or swamp water might be made fit to drink through chlorination.

“No act of kindness, no matter how small is ever wasted”
Aesop (620BC–560 BC)

Hot Water Heating Viessmann Mfg.

For those clients that use hot water as a means to heat their homes, we would like to introduce **Viessmann Manufacturing**. Viessmann is located in Waterloo, Ontario and its head office is located in Germany. It is a global concern with 11 factories in Germany, Austria, France, Canada, Poland and China, sales organizations in Germany and 35 other countries, plus 112 sales offices around the world. We have been selling, installing and servicing **Viessmann** boilers since 1981 and consider this company to be a world leader in combustion and water heating technology.

www.viessmann.com

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