

VIPOND

FIRST FOR  
FIRE PROTECTION

Protect  
What  
You  
Value  
Most<sup>®</sup>



# Home fire sprinklers are a smart choice



It's clear that home fire sprinklers are a smart choice. That's why they are growing in popularity across the country.

A house fire is one of the most frightening and catastrophic tragedies that you can experience.

If you are buying a new home, protect it and your family with the next generation in fire safety – a home fire sprinkler system.

In the time it takes the Fire Department to arrive on the scene, fire sprinklers will control, if not put out the fire. In fact, in 90 percent of cases, fires are put out with just one fire sprinkler.

Fire sprinklers protect property, save lives and may even help cut homeowners' insurance premiums. Fire sprinkler systems provide a level of protection that no other technology can offer.





## Protect what you value most

### *Every 20 minutes a home burns in Canada.*

The aftermath of a fire: heat, smoke, water damage, forced to rebuild and replace valuable belongings if they can be replaced is devastating. And fire is most devastating when it takes a life of a family member or pet. Think about all the personal belongings you could never replace like family photos, other treasures that have been passed down for generations or your child's favourite toy.

Every year, more than 400 Canadians die in fires in the place they feel the safest.....their own homes. Home fires often happen at night when people are sleeping. In only three minutes, a room can become engulfed in flames before anyone awakens. Those at highest risk are the very young and older adults who may have difficulty making a quick escape.

Smoke alarms are essential in every household and act as early warning devices. Residential fire sprinkler systems take fire protection a step further. Fire sprinklers fight fire in its early stages before it spreads out of control. And fire sprinklers are on duty 24 hours a day, every day of the year.

*Fire sprinklers have protected people and property in public places for over 100 years. Now, people are asking for that same protection in their own homes.*

*In fact, installing both smoke alarms and sprinklers reduces the risk of death and fire damage by 82 percent.*

*You make choices to invest in attractive furnishings, security systems and other features in your home.*

*A home fire sprinkler system is also an investment: in the safety of your family and most cherished belongings.*



# Home fire sprinklers save lives and protect property

Home fire sprinklers work against the fire immediately. Since the system reacts quickly, it can reduce heat, flames and smoke, often containing or even extinguishing a fire before the fire department arrives at the scene. Home fire sprinklers save lives, reduce injuries and save millions of dollars from property loss.

The fire sprinkler is individually activated and applies water directly to the fire. By the time the Fire Department arrives, the fire is contained to where it started saving your family, pets and irreplaceable belongings. There is less damage and less chance of deadly smoke and gases reaching your family.

From the time a call is made, it takes the Fire Department 5 to 10 minutes to arrive. In 5 to 10 minutes, without a sprinkler system, the fire would have penetrated most of the home requiring the fire department to break windows and bore holes in the roof to put out the fire. Approximately 4,900 litres of water per minute are released from each hose resulting in significant damage.

Former Toronto Fire Chief is calling for mandatory sprinkler systems for all new homes in Ontario. Al Speed is spearheading a campaign from a coalition of fire professionals, consumers and the fire sprinkler industry.

*Liberal MPP, Linda Jeffreys,  
Brampton, Ontario*

*"In this day and age, you wouldn't consider buying a car without a seatbelt or an airbag. And, there was a time where there was resistance to seatbelts, but the evidence is clear. Seatbelts save lives. I believe the same argument applies to residential fire sprinklers", says Jeffreys.*



*In Vancouver, fire sprinklers have been mandatory in newly constructed homes for the last decade. Fire officials point out that there hasn't been a single fire fatality in a residential dwelling since the law was introduced.*

*Fire Chief Al Speed*

*"We want no more fire fatalities in the homes where we live. Residential fire sprinklers save occupant lives as well as firefighter lives. Let's put in fire sprinkler systems. And, new home construction is the place to start", says Speed. "If people had their homes protected with sprinklers, we would not have the number of fatalities we have in the homes.*



*I put fire sprinklers in my home for a couple of reasons. The main reason is to protect my family. The second reason is I believe in it so strongly that I have to do it," says the retired Toronto Fire Chief.*



# How home fire sprinklers work

*Sprinklers are linked by a network of piping, typically hidden within walls and ceilings and usually drawing upon household water sources*



*Each sprinkler protects an area below, and when heated by fire, activates.*



*Only the sprinkler closest to the fire will activate, spraying water directly on the fire.*



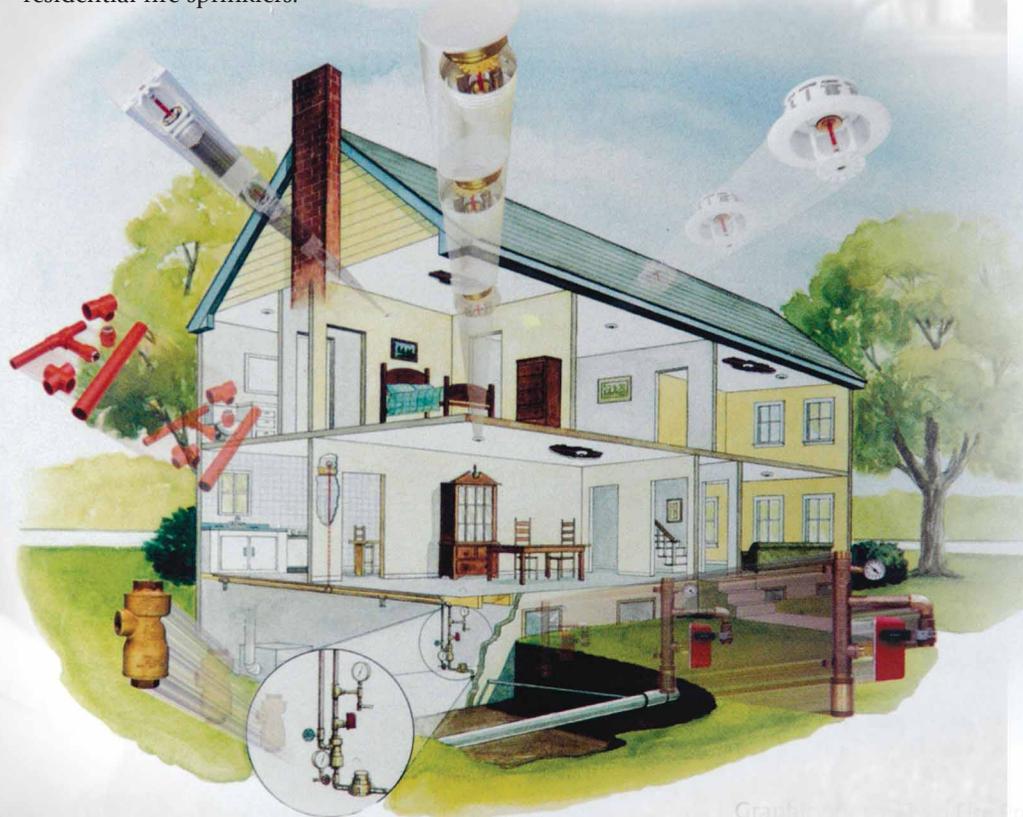
The key to effective fire protection is to identify and control the fire early, before it can create deadly heat and large volumes of carbon monoxide and smoke.

Each fire sprinkler has a temperature-sensitive element. When heated by fire, the fire sprinkler closest to the fire will open automatically, spraying water directly on the burning materials. Fire sprinklers are linked by a network of pipes which, just like regular plumbing, are usually hidden within

ceilings or walls. A fire sprinkler system ensures an early and direct response to fire. Depending on the intensity of the fire, a home fire sprinkler will activate in as little as one minute, or less.

Because the fast acting fire sprinkler operates when the fire is small, it uses much less water than fire department hoses. Home fire sprinklers are designed to control the fire until the fire department can respond. In a home without fire sprinklers, a fire department often arrives after the fire and toxic smoke has reached dangerous levels. The fire department would have to apply a number of hose streams at approximately 4,900 l/min (1,300 usgpm) for a longer time period due to the increased size of the fire and that is only if the fire area is accessible and the building still salvageable. Contrast that with a home fire sprinkler system flow rate of approximately 49 l/min (13 usgpm) per activated sprinkler (normally 1 or 2 sprinklers) until the fire fighters arrive (5-10 minutes). The difference in water damage, not to mention fire damage, is obvious.

Historically residential fires in homes without fire sprinklers cause approximately \$45,000 in total damage from fire and water compared to \$2,500 in a home with residential fire sprinklers.



# Fire sprinkler facts



**Concealed Sidewall Sprinkler**



**Sidewall Sprinkler**



**Concealed Sprinkler**



**Pendent Sprinkler**



## ***Amount of Water Damage***

A fire sprinkler will control a fire with a tiny fraction of the water used by fire department hoses, because a sprinkler activates during the early stages of a fire before the fire department can arrive. Residential fire sprinkler systems spray water only in the immediate area of the fire, usually with just one sprinkler operating. As a result, the fire is kept from spreading and widespread water damage is avoided.

## ***Accidental Discharge***

Accidental sprinkler discharge is extremely rare. The odds of accidental sprinkler discharge due to manufacturing defects are 1 in 16 million. Each sprinkler is individually activated by heat. One study concluded that home sprinkler accidents are generally less likely and less severe than standard home plumbing mishaps. Burnt toast and cigarette smoke will not trigger sprinkler operation.

## ***Sprinkler Aesthetics***

With a variety of unobtrusive designs, modern residential sprinklers are inconspicuous and can be mounted flush with walls or ceilings to blend in with the home's decor. Some sprinklers can be concealed. Sprinkler systems operate off the domestic water supply and, just like regular plumbing, pipes are hidden within ceilings or walls.

## ***Affordable Protection***

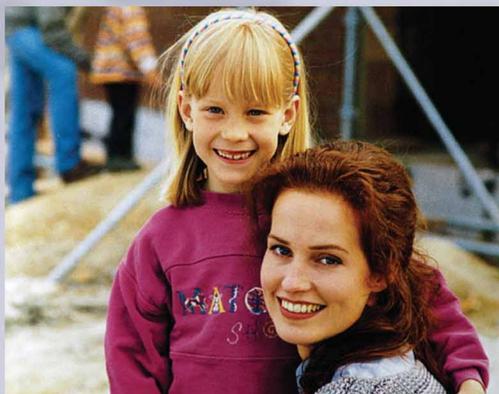
When building a home, you make choices to upgrade cabinets or appliances, install hardwood floors, build a fireplace or add an extra bathroom. A home fire sprinkler system will safeguard your family.

Recent technology breakthroughs make sprinklers more affordable and easier to install in homes. When included in a 25 year amortized mortgage your payment may increase by an average of \$40.00 per month, less than many other utilities or cable TV costs that do not increase your resale value like fire sprinklers do.

When you consider the degree of built-in reliability and responsiveness that home fire sprinklers offer, the investment is a wise one.

## ***Installation Guidelines***

Fire sprinkler systems are installed in accordance with engineering designs that have been established through many years of research and experience by testing laboratories, codes and standards organizations. Like electrical wiring and household plumbing, the fire sprinkler system must meet specified standards and pass required tests and inspections before the home will be approved for a certificate of occupancy.



***“Fire sprinklers give me peace of mind, especially at night when my children are sleeping”, Sandra Kuhns, homeowner.***

# Vipond- First For Fire Protection

Vipond Fire Protection has been protecting Canadians from the ravages of fire in many types of buildings from Nursing Homes, Shopping Plazas, Office Buildings and Hospitals to Nuclear Power Plants since 1945. Vipond's team of specialists comprised of Professional Engineers, Qualified Designers, Technical Sales Representatives, Certified Installers and Service personnel will provide the builder or home owner with a cost effective Residential Fire Sprinkler system to protect your most valuable assets: your family, your home and your treasured personal belongings.

Although not all provinces require residential fire sprinkler systems as part of their building codes, Vipond's 60 years of experience along with the research of the National Fire Protection Association and recommendations by Fire Departments support the fact that fire sprinklers should be included in all new homes. Vipond offers the property owner the most reliable, active, fully automatic life safety fire protection system available with very low maintenance.

Home fire sprinklers complement the smoke detectors' work of notification by providing a fully automatic fire suppression system to immediately fight flames. It's like having a permanent full time fire fighter on guard in your home. Not only do home fire sprinklers reduce the risk of home fire deaths, they also decrease fire damage substantially by as much as two-thirds in residences with fire sprinklers when compared to those without fire sprinklers.

*Since automatic fire sprinkler protection is ready to protect your family against fire 24 hours per day, every day of the year, Vipond strongly believes it is time to bring this quality fire protection HOME.*

*Vipond Fire Protection is pleased to expand its fire protection services to offer Residential Fire Sprinkler Protection to ensure homeowner peace of mind.*



**Vipond, First For Fire Protection...**

*...Protect what  
you value the most®.*





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SPRINKLER CO., INC.**  
Proudly Serving Our Customers Since 1946



Customer focused. Built on values.



"Complete Fire Protection Service"



Partners with Vipond in providing  
quality fire sprinklers and  
components since 1945



## VISION STATEMENT

Vipond is dedicated to building a safe and secure environment.

## VALUES STATEMENT

Vipond values the relationships with its employees, customers, vendors and pledges to treat them with the highest level of ethics and integrity.

## MISSION STATEMENT

Vipond will strive to exceed customer expectations through quality products and service while providing the most innovative cost effective Life Safety solutions.

Vipond will be recognized as the employer of choice by providing growth opportunities in a safe and creative environment while building long-term relationships with our customers and vendors.

## Vipond Fire Protection Division of Vipond Inc.

6380 Vipond Drive  
Mississauga, Ontario  
L5T 1A1

[www.vipond.ca](http://www.vipond.ca)  
[info@vipond.ca](mailto:info@vipond.ca)

Tel: 905 – 564 – 7060  
800 – 896 – 3988  
Fax: 905 – 564 – 7070

### Branch Offices:

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