



THE TRUTH ABOUT HOME FIRE SPRINKLERS

Fires in the home pose one of the biggest threats to the people of your community. There are approximately 220 Canadian fire deaths each year. Fire sprinklers save lives, reduce property loss, and can even help reduce homeowner insurance premiums.

In Canada, sprinklers are required in buildings four storeys and higher, but not in single-family homes. However, most fire deaths occur in homes, the very place people feel most safe. Homes built without sprinklers lack a crucial element of fire protection. Because sprinklers have been around for so long, the evidence is clear that they are a proven way to protect lives and property against fires at home—responding quickly and effectively to the presence of a nearby fire, and requiring minimal maintenance by homeowners.



Fast Facts: 2024 NFPA® Report on Home Fire Sprinklers

- The risk of dying in a reported home fire is 89% lower if sprinklers are present.
- Fire spread was confined to the object or room of origin in 94% of the reported structure fires in which sprinkler systems were present compared.
- One sprinkler is usually enough to control a fire. In 77% of the structure fires where sprinklers operated, only one operated.

Myths vs Facts

MYTH: A smoke alarm provides enough protection.

FACT: Smoke alarms can alert occupants to the presence of danger, but do nothing to extinguish the fire. In a fire, sprinklers can control and may even extinguish a fire in less time than it would take the fire department to arrive.

MYTH: Newer homes are safer homes.

FACT: Today's home fires become deadly in as little as 2 minutes. Modern home construction methods, unprotected lightweight construction materials, furnishings made of synthetic materials, and technology (including the increasing presence of lithium-ion batteries), can create a highly toxic environment, greater fuel load, and faster fires.

MYTH: Home fire sprinklers often leak or activate accidentally.

FACT: Leaks are rare, and are no more likely than leaks from a home's plumbing system. Home fire sprinklers are calibrated to activate when they sense a significant heat change—typically at 135°-165°F (57°-74°C). Sprinklers don't operate in response to smoke, cooking vapours, steam, or the sound of a smoke alarm.

MYTH: When a fire occurs, every sprinkler will activate and everything in the house will be ruined.

FACT: Home fire sprinklers operate independently. In the event of a fire, typically only the sprinkler closest to the fire will

activate, spraying water directly on the fire, leaving the rest of the house dry and secure. According to the NFPA report, in 85% of home fires where sprinklers were activated, only one sprinkler turned on.

MYTH: Sprinklers are unattractive and will ruin the aesthetics of the home.

FACT: New home fire sprinkler models are very unobtrusive, can be mounted flush with walls or ceilings, and can be concealed behind decorative covers.

MYTH: Sprinklers are not practical in colder climates, as the pipes will freeze and cause water damage.

FACT: With proper installation, sprinklers will not freeze. NFPA 13D, *Standard for the Installation of Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes*, includes guidelines on proper insulation to prevent pipes from freezing.

MYTH: The water damage caused by sprinklers will be more extensive than fire damage.

FACT: In a fire, sprinklers quickly control flames, heat, and smoke. Any water damage from the sprinkler will typically be much less severe than the damage caused by water from firefighting hose lines. Sprinklers use approximately 90% less water on a fire than a fire department hose line would.

Free Information About Home Fire Sprinklers

The Home Fire Sprinkler Coalition® (HFSC) is a leading resource for accurate, noncommercial information and materials about home fire sprinklers for consumers, fire departments, builders, and other professionals. HFSC offers free educational materials about sprinklers and how they provide affordable protection to your community. Learn more at: homefiresprinklercanada.ca.



Access the 2024 NFPA report on home fire sprinklers at nfpa.org/sprinklereport.



**HOME FIRE SPRINKLER
COALITION CANADA**



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LET'S PROTECT IT TOGETHER.®**

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