



uponor

HOMEOWNER HANDBOOK

AquaSAFE™ Residential  
Fire Sprinkler System

## Uponor AquaSAFE™ Residential Fire Sprinkler System

Congratulations on owning an Uponor AquaSAFE™ Fire Sprinkler system, the most effective system for protecting your family, home and possessions from fire damage. Your home is now equipped with a non-stagnant, multi-purpose plumbing and fire sprinkler system, which features the flexible, durable and reliable Uponor AquaPEX® tubing.

The multi-purpose system uses an interconnected layout of tubing to feed both fire sprinklers and cold water plumbing fixtures. Whenever a cold water plumbing fixture draws water, the system also feeds fresh water to the sprinklers, removing any chance of stagnant water.

The sprinklers in the Uponor AquaSAFE system are designed to activate when the surrounding temperature reaches a specific temperature, usually 155°F (68°C) or 165°F (74°C). Because fire sprinklers are heat-activated and operate individually, only the sprinklers necessary to stop the fire will activate. In home fires, a single sprinkler will often control a fire. Since sprinklers activate when the fire is still small, they are able to quickly control fires with much less water than fire department hoses, which can discharge up to 200 gallons of water per minute.

### Fire Safety Tips

Every 90 seconds a home fire is reported in the United States, and according to the National Fire Protection Association (NFPA), eight out of 10 fire fatalities occur where Americans feel safest — in their own homes.

Fire escape plans, fire drills and working smoke alarms are vital safety precautions to help ensure families escape from a burning home before they are injured or even killed. In fact, a smoke alarm can decrease the chance of dying in a home fire by nearly 50%.

Moreover, when used together with a residential fire sprinkler system, like the Uponor AquaSAFE system, the risk of dying in a home fire is reduced by 82%. Not only do they save more lives, fire sprinkler systems — unlike smoke alarms — can actually control a fire and reduce the average property loss by as much as two-thirds.

In addition to installing a residential fire sprinkler system, following are a few other safety tips recommended by the NFPA to help protect your family and home.

- Install smoke alarms properly on every level (including the basement), and near or in every bedroom.
- Test smoke alarms monthly and replace batteries at least annually (or when it chirps, indicating a low battery level).
- Develop an escape plan that identifies two exits for every room and a meeting place outside the home.
- Hold a drill at night to ensure sleeping family members awaken at the sound of the alarm.
- Keep fires from starting in the first place. For example, blow out candles before leaving the room and keep the stove free from anything that could catch on fire.
- For additional tips, visit the NFPA website at [www.nfpa.org](http://www.nfpa.org).

## Homeowner Dos

- ✔ Keep sprinklers clean and free of obstructions.
- ✔ Check to ensure the red warning tag is in place near the system shut-off valve.
- ✔ If a sprinkler requires replacement due to activation or accidental damage, ensure the system is repaired by a qualified Uponor fire sprinkler installer immediately. Spare sprinklers are available for this purpose.
- ✔ Notify Uponor or your AquaSAFE installer before making any renovations to the home (e.g., adding rooms, adding walls, making changes to the ceiling, etc.).
- ✔ Use only Uponor components for repairs or maintenance on the system.
- ✔ Note that tubing is installed in the ceiling and may be installed in the walls. Avoid damaging the tubing and compromising the system by checking with your installer before drilling or puncturing holes in the ceiling or walls.



For warranty information, go to [www.uponor-usa.com/warranties](http://www.uponor-usa.com/warranties) or [www.uponor.ca/warranties](http://www.uponor.ca/warranties).

## Homeowner Don'ts

- ⊘ Do not paint sprinkler heads or the cover plates on concealed heads.
- ⊘ Do not shut off the system and leave the home unattended.
- ⊘ Do not renovate the home without obtaining a new design from Uponor or your AquaSAFE installer.
- ⊘ Do not disturb or remove any attic insulation that may be protecting the AquaPEX tubing. AquaSAFE is a water-based system — ensure that water in the system is not allowed to freeze.
- ⊘ Do not strike, obstruct or hang anything from the sprinkler heads.
- ⊘ Do not remove damaged or activated sprinkler heads. Call your Uponor AquaSAFE installer to repair or replace the sprinklers. A trained Uponor installer must repair or install sprinkler heads to maintain the warranty.
- ⊘ Do not add water softeners, underground lawn sprinkler systems or any other plumbing fixtures without contacting Uponor or your AquaSAFE installer. This will ensure the fire sprinkler system is not affected.



**Caution:** The water system for this home supplies a fire sprinkler system that depends on certain flows and pressures to control or extinguish a fire. Do not add devices that restrict flow or decrease pressure, such as water softeners without a review of the fire sprinkler system by Uponor or an Uponor AquaSAFE installer.

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