



Only the sprinkler closest to the fire will activate, spraying water directly on the fire and the area that the sprinkler has been designed to protect.

Each sprinkler protects the area below it. Excessive heat activates the sprinkler over that area.

excelhomes.com

# home sprinkler system

BUILT-IN FIRE PROTECTION FOR YOUR FAMILY – AND YOUR INVESTMENT

## FIRE FAST FACTS

- Fire is more common and often more deadly than hurricanes, tornados and other disasters
- Sprinklers and smoke alarms together cut the risk of dying in a home fire by 82%
- A home fire can reach deadly proportions in just three minutes or less
- Nationally, 8 out of 10 fire deaths take place in homes

Sources: National Fire Protection Association, National Institute of Standards and Technology

### EXCEL OFFERS TWO BASIC WAYS TO ORDER A HOME FIRE SPRINKLER SYSTEM TO MEET YOUR NEEDS:

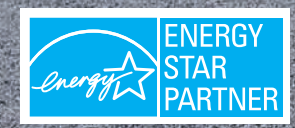
- 1. Sprinkler System Premium Package:** Excel Homes and its licensed partners design, assemble and install the system in the modules at our manufacturing facility, then finish and test the system on-site. This package is designed for homes with:
  - Connection to a municipal water system
  - A minimum of 50 psi static water pressure to home
  - A minimum of 1½-inch water line to feed system in home
  - No amendments to NFPA code
  - An unfinished basement
- 2. Sprinkler System With Special Requirements:** This option is available for customers who would like the premium package but don't meet all of the requirements. For instance, if your home will rely on well water or you want a finished basement, your sprinkler system would fall under this category.

To learn more about the home fire sprinkler system option, please contact your Excel Homes builder.



For more information on Excel Homes, including floor plans and featured homes, visit [excelhomes.com](http://excelhomes.com)

300 Corporate Center Dr., Suite 602  
Camp Hill, PA 17011  
800-521-8599







**PROTECT YOUR FAMILY AND YOUR INVESTMENT WITH A HOME FIRE SPRINKLER SYSTEM.**

At Excel Homes, we take pride in offering quality homes that are built to last. That’s why we’re pleased to offer built-in automatic home fire sprinkler systems to help you protect your home and your family for years to come.

More new homeowners are opting for fire sprinkler systems thanks to lower costs. Excel’s state-of-the-art process ensures you’re getting the very best system customized to your new home. Besides the obvious advantage of maximizing your protection in the event of a fire, an automatic home fire sprinkler system may reduce your home insurance costs.

Every home fire starts small. In just a few minutes, it can advance quickly, producing extreme heat and spreading highly toxic smoke. According to the National Institute of Standards and Technology, a home fire can reach deadly proportions in just three minutes – or less.

Excel Homes offers built-in home fire sprinkler systems that work automatically at the earliest stage of a fire, controlling the flames before they can build deadly heat and smoke. This gives your family the time you need to safely escape and limits the damage to a small area.

Compare this to a typical home fire in which 10 minutes or more pass from the time the fire is reported until the first fire truck arrives. Even if you escape unharmed, your home may be a total loss. We don’t want to see that happen any more than you do.

**ECONOMIC AND ENVIRONMENTAL ADVANTAGES.** Although adding a built-in automatic home sprinkler system costs a little more when you’re weighing your options for a new Excel home, in the long run, it is well worth the investment. Besides the likelihood that a system will reduce your home insurance costs, it will also increase your home’s value and protect your investment. In addition, Excel’s precision manufacturing process enables us to build top-notch sprinkler systems right into new homes in the most efficient, cost-effective way possible.

One study found that the average damage from a home fire with a sprinkler system was less than \$2,000, compared to \$17,067 in homes without a sprinkler system.

And, adding an Excel automatic home sprinkler system is an environmentally friendly thing to do. These systems use less water to put out a fire in less time, conserving precious natural resources and preserving air quality. One study found that automatic home fire sprinkler systems use only about 300 gallons of water to extinguish a fire versus about 3,000 gallons of water used by firefighters.

**SPRINKLERS SPRING INTO ACTION ONLY WHEN NEEDED.** Local building and fire codes most likely require you to install hard-wired smoke alarms, and these provide an early warning when a fire breaks out. But an Excel automatic home fire sprinkler system gives you the ultimate protection by putting water on the flames immediately to control or extinguish the fire.

An Excel home fire sprinkler system operates off the household water main and uses piping installed behind walls and ceilings in finished areas. Concealed sprinklers are attached to the piping at regular intervals. An unfinished basement may have exposed piping and pendent sprinklers instead. Sprinklers activate independently, so in the event of a fire, only the sprinkler closest to the flames will turn on. A recent study showed that in about 90% of home fires, only one sprinkler was necessary to control the fire.

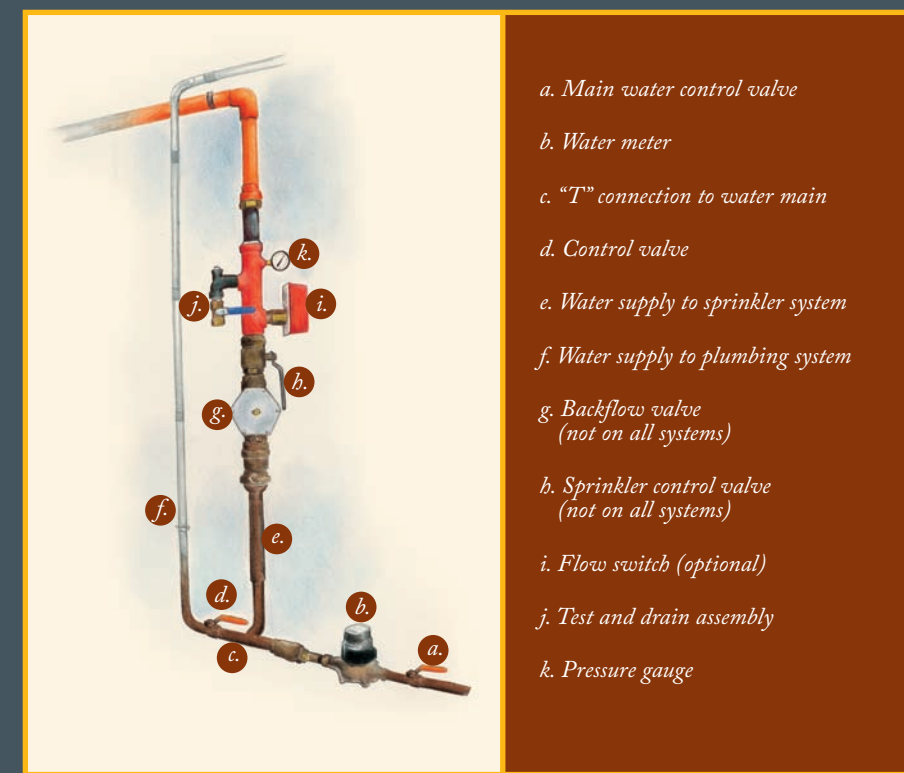
Usually, each sprinkler can protect an area up to 12 square feet, but some sprinklers can protect even larger areas. Of course, Excel can customize your automatic home fire sprinkler system to meet your needs, delivering the high quality protection you deserve. Automatic home fire sprinklers can be incorporated into any interior design without sacrificing comfort or style.

**HOW AN AUTOMATIC SPRINKLER SYSTEM WORKS.** In an Excel stand-alone home sprinkler system, there’s a T connection called a riser between the water main and the water meter. This delivers water to the sprinklers and is the brains of the system. The riser includes the pressure gauge, a flow switch, a backflow valve if one is required, and a test and drain assembly. Some municipalities also require an automatic home fire sprinkler system to have a flow alarm or a backflow prevention device. Excel can customize any system to ensure it passes all applicable codes.

The flow switch monitors any water flow through the system and is wired to an inside alarm. The switch can also be connected to a monitored security system or wired to an outside horn or strobe to alert neighbors that a sprinkler has been activated in case fire strikes when no one is home.

Thanks to our friends at the Home Fire Sprinkler Coalition (HFSC) for sharing their expertise with us for this brochure. To learn more about HFSC, please visit their website at [www.homefiresprinkler.org](http://www.homefiresprinkler.org).

We also want to thank our sprinkler system supplier, Tyco Fire Suppression & Building Products, for providing us with the graphics included in this brochure. To learn more about Tyco Fire Suppression & Building Products, please visit their website at [www.tyco-fire.com](http://www.tyco-fire.com).



Excel’s Fire Sprinkler Cover Options