



FIRE SUPPRESSION SYSTEMS

WHEN WATER IS JUST NOT ENOUGH





THE CHALLENGE

Not all fires are easily suppressed with water alone. In fact, water can essentially fuel the flames of some types of fires. If you douse an oil fire with water, for example, the flames can spread. And in other cases, even when water might get the job done, soaking a space can irrevocably damage valuable equipment such as computer servers or other materials that you're trying to protect.



THE ANSWER

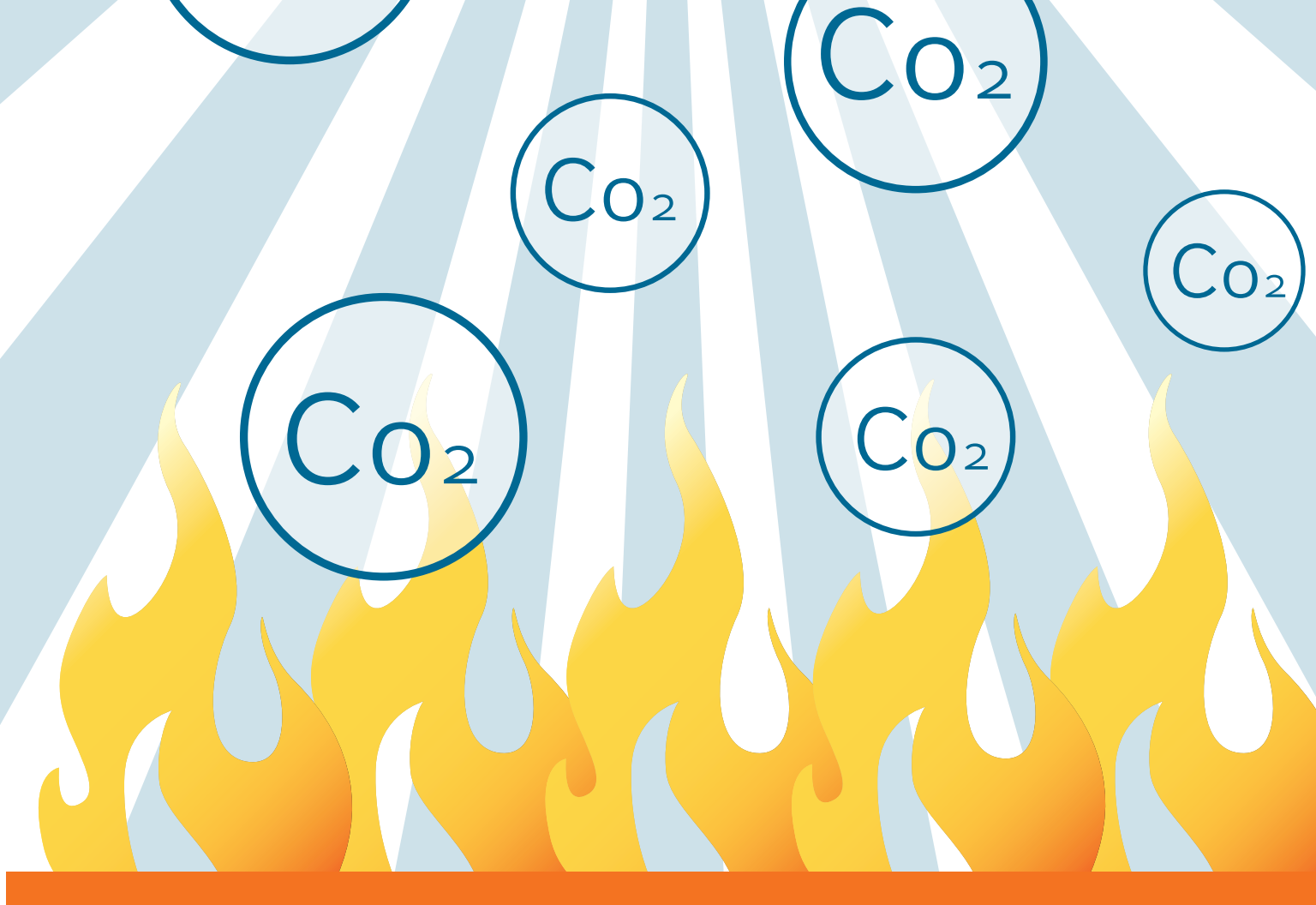
In these special cases, a fire suppression system is installed. A basic sprinkler system uses water to fight fires while a suppression system typically uses a gas such as CO₂ or a halon substitute. (Halon is an ozone-depleting gas that is no longer legally produced. It's terrible for the environment but really good at fighting fires.)

CO₂ is known as a fast, cost-effective option for a wide range of hazards. The discharge of CO₂ is non-damaging to property and electrically non-conductive.



THE DETAILS

If you take a close look at a suppression system, you'll notice that its piping is smaller to allow for the high-pressure gas. These systems also use nozzles instead of sprinkler heads, and they have large gas cylinders usually located outside of the area being protected. The suppression systems are activated by smoke or heat detectors.



THE MAINTENANCE

The inspection and service of suppression systems are similar to sprinkler systems. Brenneco follows the code set out by NFPA. Those recommendations can vary from at least annually or semiannual to more frequently. More frequent inspections are often at the request of the insurance company policy covering the building.

If you have questions about suppression systems or any other topic related to fire protection, contact Brenneco Fire Protection at 1-866-967-0017. We're happy to answer your questions. To contact Eric Flora, Owner, call or email eric.flora@brennecofp.com.



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