

Fenwal FM-200®: *The Best Clean Agent Today*

Why choose an FM-200 clean agent system? Because FM-200 offers all the performance of Halon without environmental or substitute-system drawbacks. Fenwal FM-200 systems combine active fire protection, the benefits of clean agent systems and people-safe, environmentally friendly performance.

FM-200 is Fast and Effective. It penetrates every nook and cranny of the protected facility as it snuffs out fires in seconds.

FM-200 is Clean: It minimizes fire-related downtime, leaving no residue to damage sensitive electronic equipment, vital software or irreplaceable objects. There's no time consuming, expensive cleanup, and you can get your business operations back on line faster.

FM-200 is Safe for People. It is non-toxic when used in accordance with NFPA Standard 2001. It causes no breathing problems for people and won't obscure vision in an emergency situation.

FM-200 is Environmentally Friendly. FM-200 is the most versatile and tested clean agent on the market, has zero Ozone Depletion Potential (ODP), a low atmospheric lifetime (36.5 years) and no Environmental Protection Agency usage restrictions.

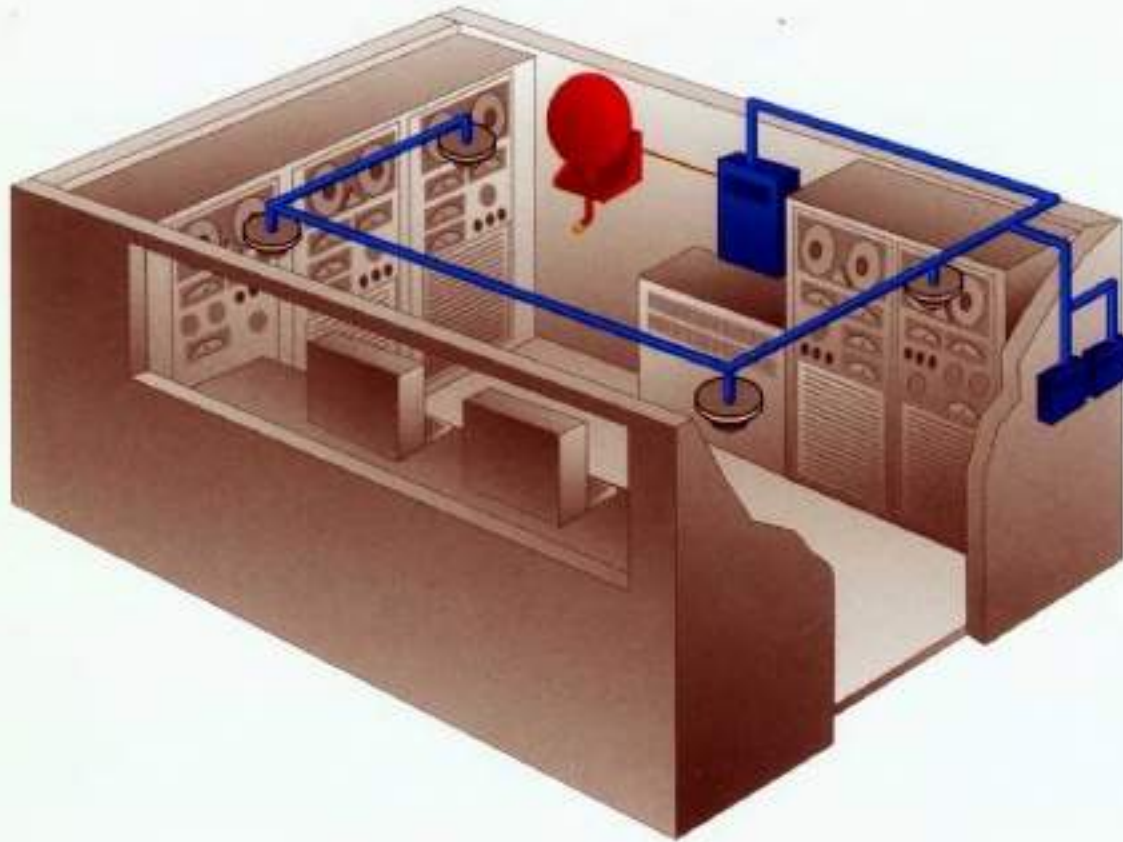
FM-200 is Tested and Accepted. It meets the standards of Underwriters Laboratories, Factory Mutual and the National Fire Protection Association (2001 Standard), the U.S. EPA SNAP program and most global approval authorities.

FM-200 is the Most Versatile Clean Agent Available Today. It has been tested on the widest possible range of Class A, Class B and Class C fuels, from heptane to ethanol, from wood to sensitive electronics.

FM-200 is Ideal for New or Retrofit Installations. Fenwal FM-200 comes closest to a "drop-in" replacement for existing Halon systems. You can save much of the original system and most containers can be upgraded. In new installations, FM-200 systems have comparable space requirements to Halon systems, and they need much less floor space and hardware than competitive systems. As a result, installation costs are significantly lower.

FM-200 is backed by Fenwal. That means Fenwal, the company that pioneered the use of Halon 1301 and a world leader in clean agent protection, stands behind FM-200 fire suppression performance.

Fenwal FM-200[®] Fire Suppression

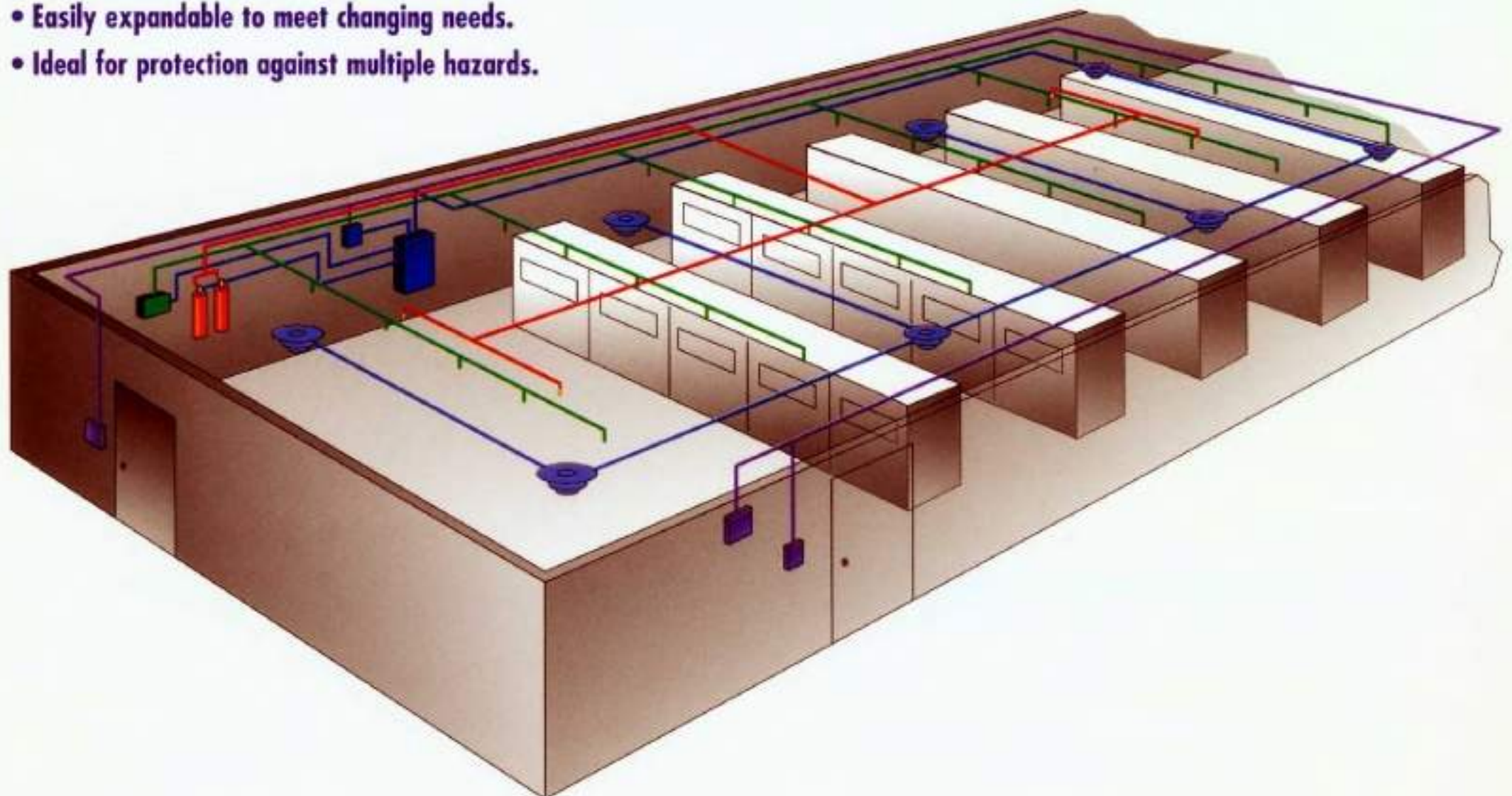


FM-200 Modular Systems

- Systems pre-calculated to provide cost-effective fire protection for a variety of applications.
- Most cost-effective FM-200 system for smaller applications.
- Engineered to fit in tight spaces. No floor space required.
- Easily adaptable to various room configurations.

FM-200 Engineered Systems

- Engineered for the most flexible protection of larger facilities.
- Numerous configurations and capacities enable systems to be precisely tailored to meet the coverage requirements of almost any facility.
- Systems permit flexible location of cylinders and require minimal floor space.
- Easily expandable to meet changing needs.
- Ideal for protection against multiple hazards.



Systems: A Choice That's Always Right

Fenwal FM-200 Systems provide active fire protection that work automatically, around the clock, in manned or unmanned locations. They protect mission critical facilities such as control rooms and high-value, often irreplaceable assets, such as corporate, financial or historical data and works of art, around the world.

Clean, safe, environmentally friendly FM-200 systems are designed to fully discharge their clean fire suppression agent into the protected area fast, flooding it with a precisely controlled concentration of FM-200. There it works two ways to suppress fire – by soaking up heat and simultaneously breaking down

the molecular structure of the fire. Fires are extinguished fast, without damage to equipment, without harm to people or the environment, and without costly and time-consuming clean up.

Fenwal now offers three FM-200 system to meet any fire suppression need, no matter how challenging or critical the application. All systems use the same four-step operation.

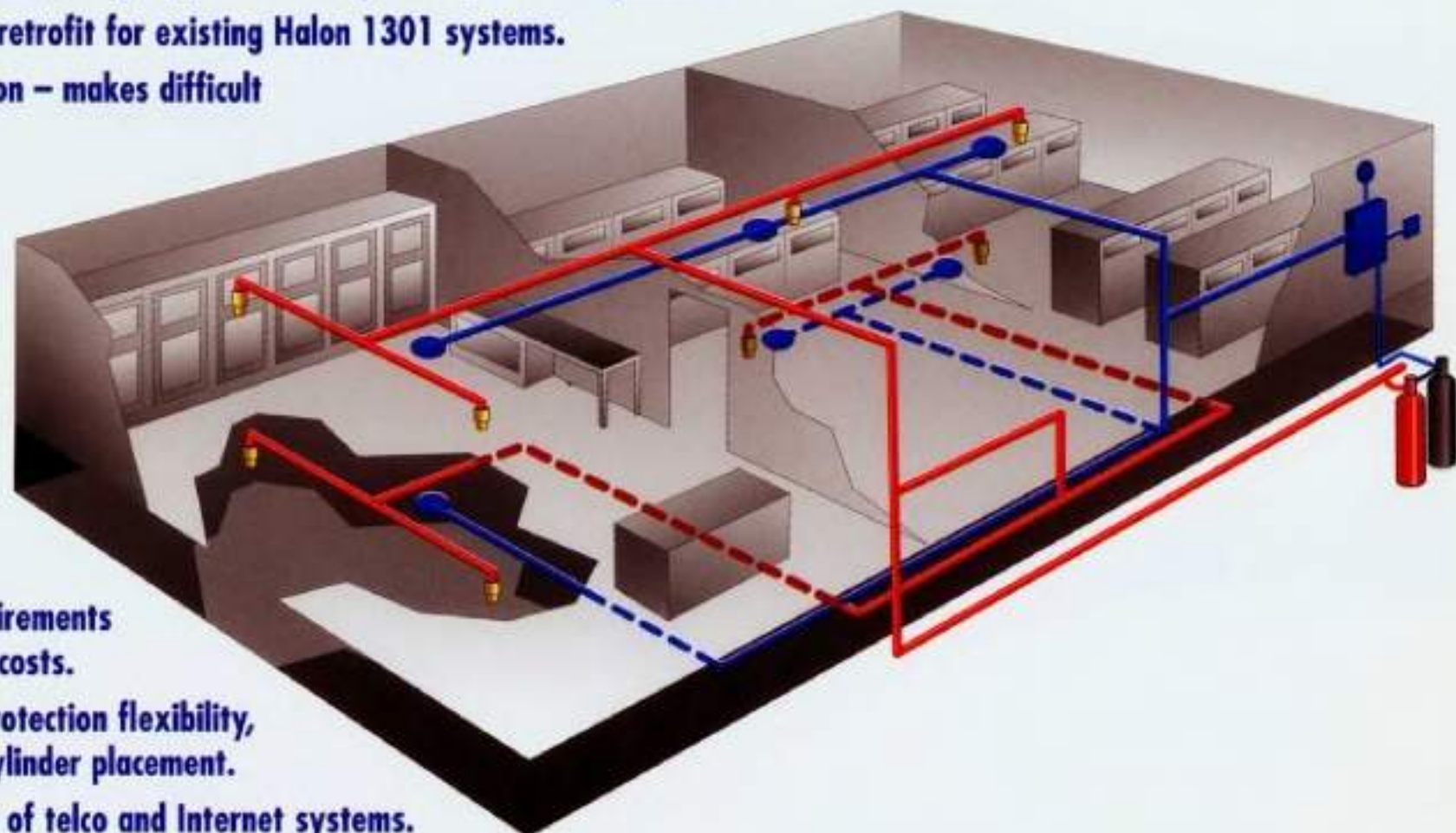
First, Fenwal detectors sense a fire in the protected area and immediately send a signal to the Fenwal control unit. Second, the Fenwal control unit begins a series of actions; sounding audible and visual warnings, closing down

ventilation systems and triggering the discharge of the Fenwal FM-200 Fire Suppression System. Next, the FM-200 fire suppression agent, stored in containers, is propelled through system piping and out specially-configured discharge nozzles into the protected area. Result: in less than 10 seconds, the concentration of FM-200 has reached 7%, suppressing the fire.

Every Fenwal FM-200 system is custom-designed to the particular requirements of individual applications. Call your area Fenwal Distributor for professional guidance in choosing the system that is best for you.

FM-200 Phoenix Systems

- Engineered to provide the largest flow rate of any Fenwal FM-200 System.
- Higher system pressure, longer pipe runs designed to protect larger facilities.
- The ideal "drop in" retrofit for existing Halon 1301 systems.
- Simplifies installation – makes difficult pipe runs easy.



- Smaller piping requirements lowers installation costs.
- Provides greater protection flexibility, the most flexible cylinder placement.
- Ideal for protection of telco and Internet systems.

Fenwal FM-200® Fire Suppression Systems

Fenwal, with its FM-200 Fire Suppression Systems and associated technologies, is an acknowledged leader in the protection of critical facilities and high-value assets. FM-200 Systems are manufactured to world-class quality standards by a worldwide organization that has more hands-on experience in designing, building and installing clean agent systems than any other company.

Fenwal pioneered the development of Halon 1301 fire protection. Since Halon 1301 was proscribed by international agreement, we have developed safe and effective alternatives for a wide variety of applications such as communications centers, control rooms, file rooms, data archives, clean rooms, test chambers, medical imaging facilities, museums, libraries and historic buildings.

Now, with the addition of the Fenwal Phoenix to Fenwal Engineered and Modular Systems, Fenwal offers an ideal fire suppression system to meet the requirements of any facility, no matter the size or how critical the need.

Unlike many other systems that require tremendous amounts of space for their containers, Fenwal FM-200 Systems are designed to provide maximum fire protection with minimum hardware that blends in with its surroundings. This results in lower installed costs.

In the event that your FM-200 system must be discharged, recharge supplies are readily available around the world. Unlike other agents, which may not be easy to obtain and may be blended by local suppliers, FM-200 offers consistent, factory-controlled quality whenever and wherever you may need it.

But your Fenwal Distributor is perhaps the most compelling reason of all to specify Fenwal.

When you select a Fenwal FM-200 System, your Fenwal Distributor first sends the proposed system design to Fenwal engineers. Our engineers examine every detail of the installation, using our proprietary computer calculation software to make sure you're getting exactly the right protection for your application. Then your Fenwal Distributor provides professional installation along with a full range of service, from emergency recharging and spare parts to annual inspections and required maintenance.

It's this network of trained Fenwal Distributors that enables us to provide you with consistent and convenient services from fire protection surveys and design to service and training wherever your facilities are located.

When it comes to analyzing your fire protection needs and providing the systems to meet them, no one in the world can match Fenwal's people, products, application engineering capabilities or distribution partners.

*Even a
"minor" fire
can devastate
your business.
Damage.
Downtime.
Lost revenues.
Lost customer
confidence.
They add
up fast...
unless you
can suppress
a fire even
faster.*

Fenwal: Your Source for Total Fire Protection

Fenwal has made its name in fire protection since 1935. In World War II, Fenwal technology helped protect military aircraft, the high-technology of its time. In the post-war years we pioneered linear heat detection and explosion suppression systems for commercial aircraft. For more than 30 years, Fenwal systems have been at work protecting high-value and mission critical facilities for industry leaders in telecommunications, electronics, medical technology and many other fields.

Fenwal is a part of Kidde plc, a global supplier of products, systems and services for fire protection. As such, Fenwal enjoys global research and development resources and a corporate commitment to world-class quality that has earned Fenwal ISO 9001 certification by Underwriters' Laboratories and has helped assure its long-held position of leadership in fire protection systems.

Fenwal is committed to the business and the science of fire protection. As a member of the National Fire Protection Association (NFPA) and the Fire Suppression System Association (FSSA), Fenwal personnel are directly involved in the formulation of fire safety codes and the promulgation of the regulations that bring better fire safety into the workplace.

As the world of business has changed, so has Fenwal. To meet the demand for 24 hour-a-day, seven-day-a-week performance and service, Fenwal has evolved and developed – faster, better, more integrated systems, faster and more responsive services. As a result, today more than 70% of Fenwal's business is in mission critical applications.

Telecommunications and other mission critical companies have relied on Fenwal for more than 30 years. You can too.

Only Fenwal can provide the complete package: an integrated system of air sampling, detection, alarm and control and suppression for protection of the most critical facilities. All of it designed, manufactured, installed and serviced by Fenwal and its network of highly-trained Fenwal partners and distributors.

This literature is provided for informational purposes only. FENWAL PROTECTION SYSTEMS, assumes no responsibility for the product's suitability for a particular application. The product must be properly applied to work correctly. If you need more information on this product, or if you have a particular problem or question, contact FENWAL PROTECTION SYSTEMS, Ashland, MA 01721. (508) 881-2000.



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