

FM-200™

Fire Suppressant

Protecting Critical Needs Today and Tomorrow

Product Information

We estimate that there's over a billion cubic feet of critical space around the globe already utilizing FM-200™ in systems to protect against the risk of fire; and, every year, another 70 million ft³ of critical space utilizes the advantages of FM-200™ fire protection. Most of the FM-200™ ever produced still remains in the original system cylinders, available at a moment's notice to provide rapid fire protection for crucial operations.

The world's largest power plants, most modern metro systems, latest airports, and most advanced defense vehicles, all rely on systems with FM-200™ to perform and serve at their best. Archives, libraries, and museums—from Egypt to Beijing to Washington, DC—trust it to protect the irreplaceable.

From the most powerful telescopes looking to distant galaxies, to the cellular switch connecting your fingertips to the internet, systems with FM-200™ provide essential fire protection—allowing us to do more, dig deeper, and further understand the world around us

Why FM-200™? It's Safe.

Safe for People, Places, and The Things We Protect

FM-200™ doesn't react. Not with chemicals, water or moisture, electronics, sensitive artifacts, and, most importantly, the human body. This is why it is chosen for use in pharmaceutical metered dose inhalers to treat asthma.

Non-reactive, non-corrosive, non-conductive, and proven performance for more than two decades: this is why it is chosen to protect essential operations around the globe.

Proven performance and safety in use—that's why FM-200™ is chosen most often.

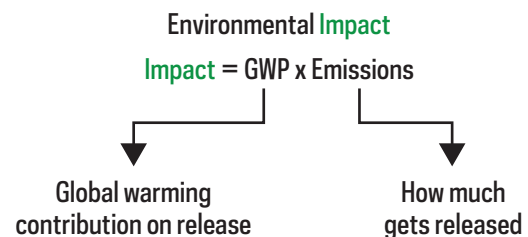


Non-Emissive

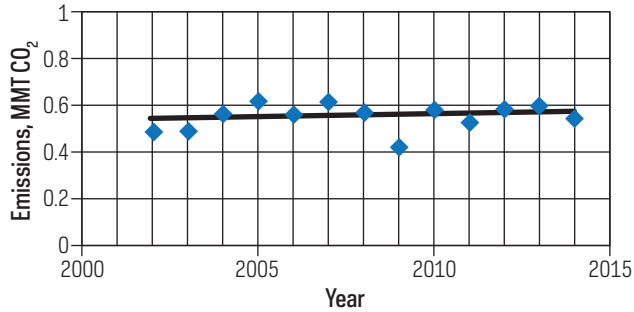
The number of systems with FM-200™ installed has steadily grown year over year since 1993; with more than 70 million ft³ of new high-value spaces protected in 2015.

Most all of the FM-200™ ever made is still in a cylinder protecting a critical facility and not emitted to atmosphere.

No emission = No environmental impact



Fire Protection Emissions of HFCs and PFCs HEEP Data



The recycle market is robust in order to reposition or reuse the agent, if the system no longer requires it for service.

Emissions, as tracked for the past 14 years by the HARC HEEP project, remain low and flat.

Regulatory Status

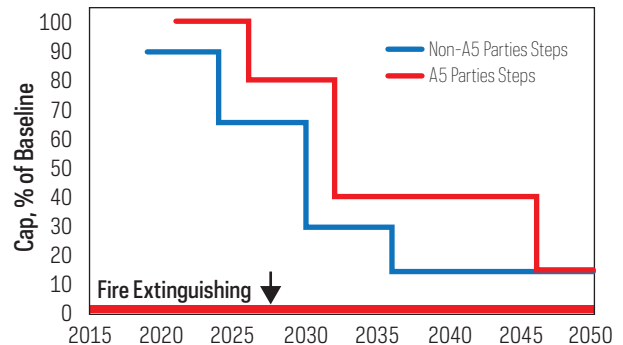
Montreal Protocol—No final decision to include HFCs, as many substantial issues remain unresolved and under negotiation

- Funding—levels and mechanisms
- Exemptions—for uses, market, regions
- Linkage issues with HFCs-HCFCs
- Trade provisions—between states
- Alternatives
 - Technical assessments
 - Codes and standards

Proposals to include HFCs under the Montreal Protocol petition for a **phase-down** from current levels with a defined volume, typically 10-20% of current levels, have been extended indefinitely. This volume is to support uses and applications where HFCs provide the greatest benefit, such as fire protection, pharmaceutical inhalers, specialized refrigeration, as well as critical service and maintenance requirements for existing installations.

There is no expectation or anticipation of a complete elimination of HFCs. We fully expect HFC-227ea (FM™-200) to be available for fire protection for decades to come, regardless of any Montreal Protocol regulatory measures (when and if enacted).

Proposed HFC Reduction Steps for Article 5 and Non-Article 5 Countries (% of baseline)



EU F-Gas—Cap and allocation currently underway. No effect on availability of FM-200™ to support fire applications. Chemours has sufficient allocation to continue to support fire applications in the EU.

U.S. EPA SNAP Changes—No changes proposed for existing commercial fire extinguishing products, including FM-200™, FE-13™, FE-36™, and FE-25™.

For more information on FM-200™, please visit cleanagents.chemours.com or call (800) 473-7790

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