

# ACTIVAR<sup>INC.</sup>

CONSTRUCTION PRODUCTS GROUP

## TECHNICAL ARTICLES

# Protect Assets with Alternatives to Dry Chemical Extinguishers

Written by Nona Peterson - 04-05-2019

Here are some options for situations where extinguishant such as dry chemical cannot be used because of potential contamination by the residue if the extinguisher was discharged. There is a growing selection of fire extinguishers that can be used to protect high-value assets in specialty facilities such as museums or clean rooms, or on electronic equipment in telecommunications. Although not always required by building or fire code, these are often preferred to other fire-extinguishing agents such as dry chemicals.



## Clean Agent

Extinguishes fires by interrupting the chemical reaction of the fire triangle with the use of Halogen chemical. There are several variations including Halotron 1<sup>®</sup> and DuPont FE-36<sup>®</sup>, both of which leave no residue, are non-corrosive, and electrically non-conductive. Rated for Class B and C fires, with models over 10 lbs. also rated for Class A fires.

- Computer/Telecommunications/Data Storage
- Museums/Record Storage/Libraries
- Electronics/Research Facilities/Clean Room
- Laboratories/Medical except MRI
- Offices/Classrooms/Churches/Retail
- Manufacturing Plants/Warehouses
- Military Electronics
- Vehicles/Boats/Aircraft/Aircraft Servicing
- Painting, Dipping and Coating Process Facilities

## Water Mist - Non-Magnetic

Extinguish fires by spraying a non-toxic water mist that removes the heat element of the fire. For use on Class A and C fires. Water mist extinguishers isolate the user from electrical shock because the water is expelled in microdroplets, making it ideal for use on energized electrical equipment. Constructed of non-magnetic components for use in medical and MRI facilities tested to 3 or 11.7 Tesla or less. Electrically non-conductive.

- Pool Chemical Storage
- Hospitals/Clean Room
- Telecommunications/Offices
- Vehicle/Aircraft/Marine Service Centers
- Offices/Classrooms/Churches
- Light Manufacturing/Research Facilities
- Painting, Dipping and Coating Process Facilities
- Tested and Approved for Use in MRI Facilities
- Sanitary White Paint Finish

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### Protect Assets with Alternatives to Dry Chemical Extinguishers Continued



#### Carbon Dioxide

Smother fires with CO<sub>2</sub>, eliminating the oxygen supply, and removes the heat from the fire as CO<sub>2</sub> converts from a liquid to a vapor. CO<sub>2</sub> extinguishant does not leave a residue which makes it effective for use on sensitive electronic equipment. For use on Class B and C fires. Non-magnetic option is available for medical and MRI facilities. Electrically non-conductive.

- Electronics/Research Facilities/Clean Room
- Vehicle/Aircraft/Marine Service Centers
- Parking Garage/Hotel Guest Area/Retail
- Light Manufacturing
- Painting, Dipping and Coating Process Facilities



#### Carbon Dioxide - Non-Magnetic

Same properties as Carbon Dioxide. Tested to 11.7 Tesla or less. Tested and Approved for Use in MRI Facilities

- Sanitary White Paint Finish
- Non-magnetic Wall Bracket

**Protect Assets with Alternatives to Dry Chemical Extinguishers Continued**

	CLEAN AGENT*	WATER MIST	CARBON DIOXIDE	CARBON DIOXIDE NON-MAGNETIC
Computer Data Storage	B:C			
Telecommunications	B:C	A:C	B:C	
Electronics	B:C	A:C	B:C	
Research Facility	B:C	A:C	B:C	
MRI		A:C		B: C
Medical (Not MRI)/Laboratory	B:C	A:C	B:C	
Pool/Chemical Storage		A:C		
Clean Room	B:C	A:C	B:C	
Vehicle/Aircraft Marine Service	B:C	A:C	B:C	
Parking Garage	B:C	A:C	B:C	
Hotel Guest Area/Retail	B:C	A:C	B:C	
Museum/Record Storage/Library	B:C	A:C		
Offices/Classrooms/Churches	B:C	A:C	B:C	
Manufacturing Plant/Warehouse	B:C	A:C	B:C	
Military Electronics	B:C	A:C	B:C	
Painting, Dipping, Coating Facility	B:C	A:C	B:C	
Operating Temperature	-65 to 140°F	40 to 120°F	-22 to 120°F	-22 to 120°F
Extinguishant	Halotron® I DuPont FE-36	De-ionized water	Carbon Dioxide	Carbon Dioxide
Wheeled	Yes	No	Yes	No

\* Extinguishers greater than 10 lbs also have an 1 A:10 or 2 A:10 listing

**[Click here to view Activar Construction Products Group Fire Extinguishers.](#)**

**[Clean Agent | Water Mist - Non-Magnetic | Carbon Dioxide](#)**

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