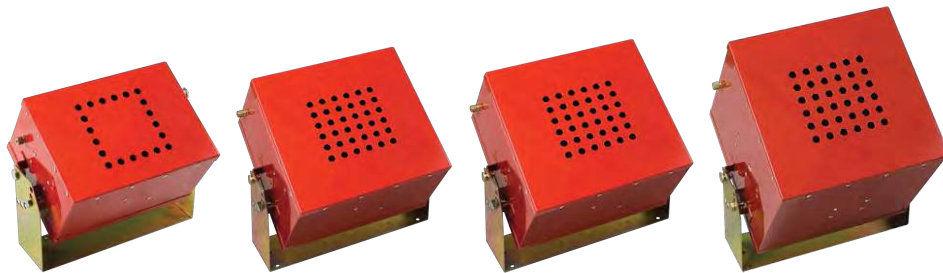


FirePro[®] X T I N G U I S H

PRODUCT CATALOG

THE WORLD'S FINEST FIRE DETECTION SYSTEMS SINCE 1918

The Xtinguish Advantage list:



PROPERTY

10 Times More Effective Than Halon
60 Times More Effective Than CO2
Non-Corrosive, Non-Conductive

SAFE

Non-Toxic
Life Sustaining (No Oxygen Depletion)
Non-Pressurized
Fail Safe
Fully Automatic
Suitable for Class A, B and C Fires
Extremely Fast Extinguishing

ECOLOGICAL

Zero Ozone Depleting Potential
Zero Global Warming Potential
Negligible Atmospheric Lifetime
EPA SNAP Listed and Green Listing

ECONOMICAL

Minimizes Consequential Damage
No Mechanical Installation
Simple Installation
Reduced Maintenance
Substantial Cost Savings Over Other Agents
UL Listed for 10 Years Shelf Life

Applications

- Plant Rooms
- Control Rooms
- Electrical Sub-Stations
- Computer Rooms
- Server Rooms
- Data Centers
- Electrical Panels & Cabinets
- Marine Vessels
- Telecommunications
- Raised Floors
- Suspended Ceilings
- Motor Vehicles
- Electrical Rooms



X T I N G U I S H

FirePro® X T I N G U I S H

FirePro® Xtinguish is an exciting and new “green” fire suppression product for total-flooding applications or any installation where a fire suppression system is needed to protect the contents of a space. FirePro® Xtinguish is non-toxic, with zero ozone depletion and global warming potential. It utilizes an aerosol-forming solid compound to extinguish fires by inhibiting the chemical chain reactions within the fire itself, breaking the chemical reaction of fire cleanly and efficiently. While being very powerful, the FirePro® Xtinguish system installation is uncomplicated and maintenance is minimal. FirePro® Xtinguish and the HCVR-3 Releasing Fire Alarm Control Panel combine to produce a perfect extinguishing solution for offices, data centers, server rooms, warehouses, archives, banks, transformer/electrical rooms, and more.



CLASSES OF FIRE:



- UL 2775 Listed for Class A, B, C fires
- Environmentally friendly (Green Label)
- Available in 10 models
- EPA listed
- UL Listed service life = 10 years
- Easy installation, requires no piping or pressurized bottles
- Minimal maintenance
- Requires far less real estate compared to a typical pressurized bottle-type system
- Minimal cleanup after discharge
- Safe to handle
- Mounting brackets included for all models
- Compatible with the HCVR-3 Releasing Fire Alarm Control Panel

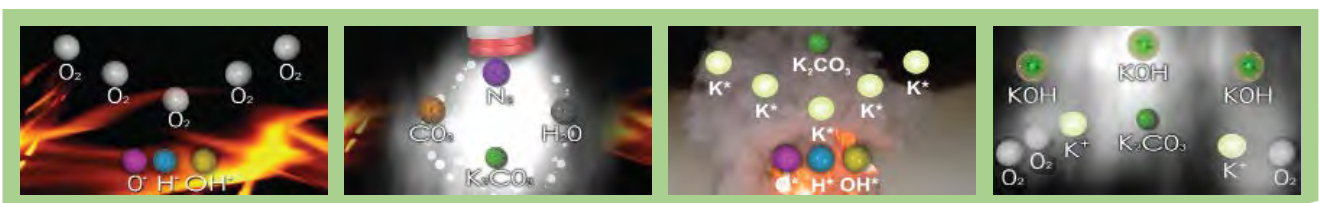


MODELS

Canister Types	FNX-20S	FNX-40S	FNX-80S	FNX-100S	FNX-200S	FNX-500S
Mass of SBK	20g	40g	80g	100g	200g	500g
Weight	0.6 lbs (310g)	1.3 lbs (610g)	1.9 lbs (870g)	3.0 lbs (1370g)	4.0 lbs (1840g)	7.3 lbs (3340g)
Dimension	6.4"H x 1.2"D (165mm x 32mm)	5.5"H x 2.0"D (140mm x 51mm)	7.2"H x 2.0"D (185mm x 51mm)	6.1"H x 3.4"D (155mm x 84mm)	7.2"H x 3.4"D (185mm x 84mm)	11.6"H x 3.4"D (295mm x 84mm)

Box Types	FNX-1200	FNX-2000	FNX-3000	FNX-5700
Mass of SBK	1200g	2000g	3000g	5700g
Weight	24.0 lbs (10900g)	34.17 lbs (15500g)	35.9 lbs (16300g)	58.2 lbs (26400g)
Dimension	6.5"H x 11.8"L x 8.5"W (167mm x 300mm x 216mm)	7.2"H x 11.8"L x 11.8"W (185mm x 300mm x 300mm)	7.2"H x 11.8"L x 11.8"W (185mm x 300mm x 300mm)	11.8"H x 11.8"L x 11.8"W (300mm x 300mm x 300mm)

Conventional extinguishing agents employ oxygen depletion, cooling or both to extinguish a fire. FirePro® Xtinguish inhibits the chain chemical reactions present in fire. By removing the flame free radicals, it extinguishes fire without depleting oxygen.



At the heart of the FirePro® Xtinguish system is the HCVR-3 Conventional Releasing Fire Alarm Control Panel. The HCVR-3 monitors and controls the entire system; detection, annunciation, and suppression. Combined with Hochiki's high-quality detectors and FirePro® Xtinguish, the HCVR-3 is a perfect solution for all of your fire suppression needs.



HCVR-3

CONVENTIONAL RELEASING FIRE ALARM CONTROL PANEL

- UL Listed, FM Approved and CSFM listed
- Three conventional zones
- Any single zone or any combination of zones can be configured to release
- Fully programmable using simple menu options
- Simple, single board construction
- Installer-friendly
- Compatible with a wide range of detection devices
- Configurable first stage NAC delays
- Configurable detection delays
- Built-in manual release switch and external manual release circuit
- Built-in abort circuit
- Compatible with FirePro® Xtinguish
- Compatible with various releasing valves
- Configurable releasing delays up to 60 seconds in 5-second intervals
- Configurable releasing duration up to 5 minutes in 5-second intervals
- Releasing countdown timer displayed on the panel
- Supports up to seven HCVR-SDU or HCVR-AB
- Built-in relays for Fire, Trouble, Stage 1, Stage 2, Extract and Local Fire
- Available in red or gray



HCVR-SDU

STATUS DISPLAY UNIT

- Remote status display for the HCVR-3 Releasing FACP
- UL Listed, FM Approved and CSFM listed
- Supervised four-wire connection
- Displays countdown timer prior to agent release
- Internal buzzer and trouble diagnosis indicators
- Optional keyswitch with Manual-Only and Automatic & Manual modes
- Available in red or gray



HCVR-AB

ANCILLARY BOARD

- Provides additional normally open contacts which mimic the outputs of the HCVR-3 Releasing FACP
- Requires data cable and 24VDC connections
- Up to 7 HCVR-AB can be connected to a single HCVR-3 Releasing FACP
- Includes a back box for surface mount (except board only model)
- UL Listed, FM Approved and CSFM listed

X T I N G U I S H



HCVR-AS ABORT SWITCH

- UL Listed, FM Approved and CSFM listed
- Used to abort the releasing operation
- Includes a back box for surface mount
- Available in red or gray



HCVR-DS DISCONNECT SWITCH

- UL Listed, FM Approved and CSFM listed
- Physical switch provides NFPA-compliant disconnect solution for releasing service
- Includes a back box for surface mount
- Available in red or gray



HCVR-SQA SEQUENTIAL ACTIVATOR

- UL Listed, FM Approved and CSFM listed
 - Used to activate up to two FirePro® Xtinguish aerosol generators
 - Includes a back box for surface mount
 - Fault LED is illuminated to indicate trouble conditions
- *Maximum 20 HCVR-SQA modules and 40 generators per control panel.



HPS-DAK-SR MANUAL PULL STATION FOR FIRE SUPPRESSION RELEASE

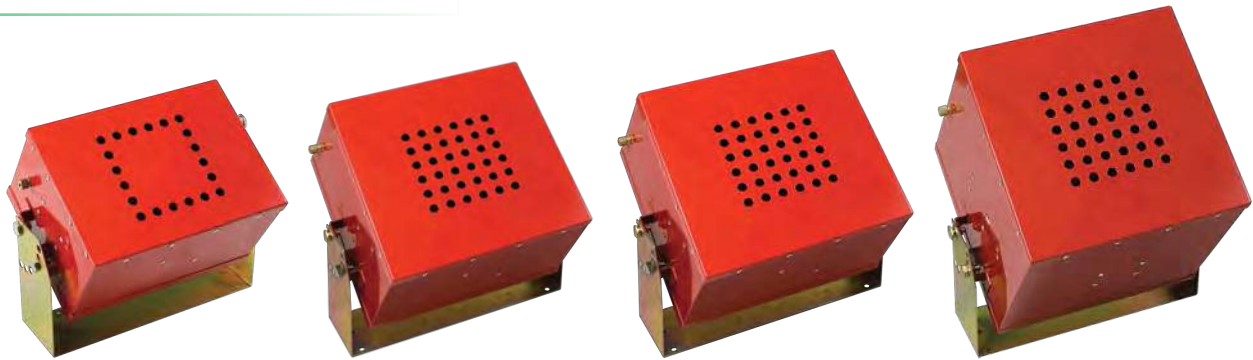
- Metal construction
- Enclosed switch with glass rod (included)
- UL Listed, CSFM listed

FirePro® Xtinguish is UL Listed as a pre-engineered system. Applications are easy to design and install. No piping, pressurized tanks or cylinders, or difficult flow calculations are required. Simply choose the correct type and number of aerosol generators using simple design parameters.

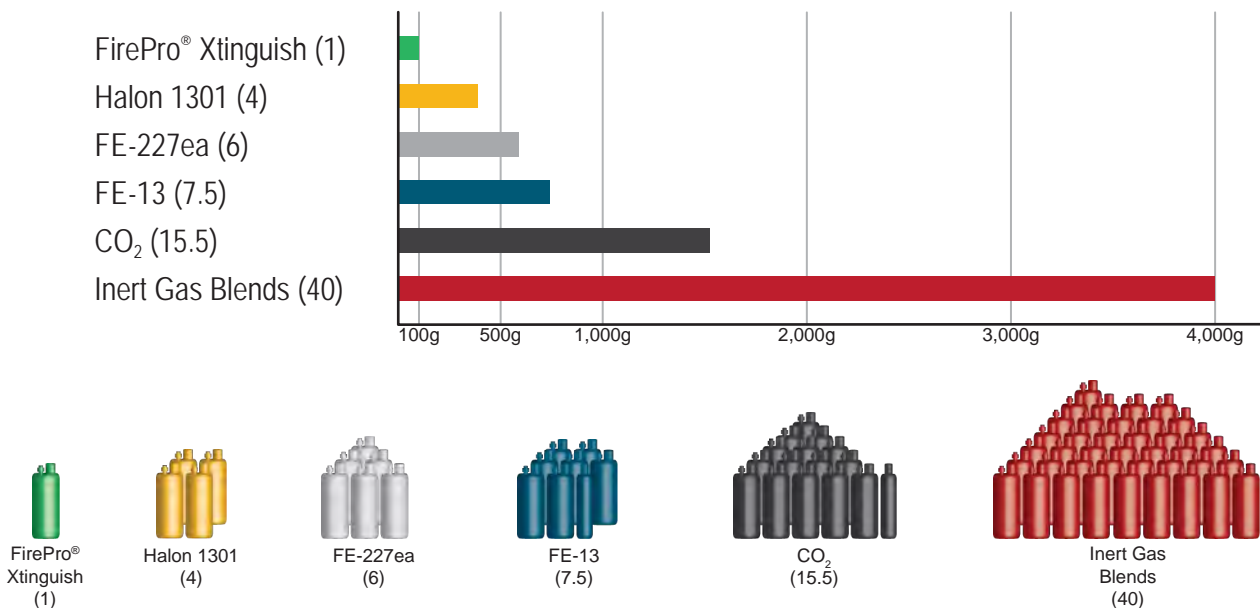
AEROSOL GENERATORS

Available in the following sizes:

20 GRAMS	500 GRAMS
40 GRAMS	1200 GRAMS
80 GRAMS	2000 GRAMS
100 GRAMS	3000 GRAMS
200 GRAMS	5700 GRAMS

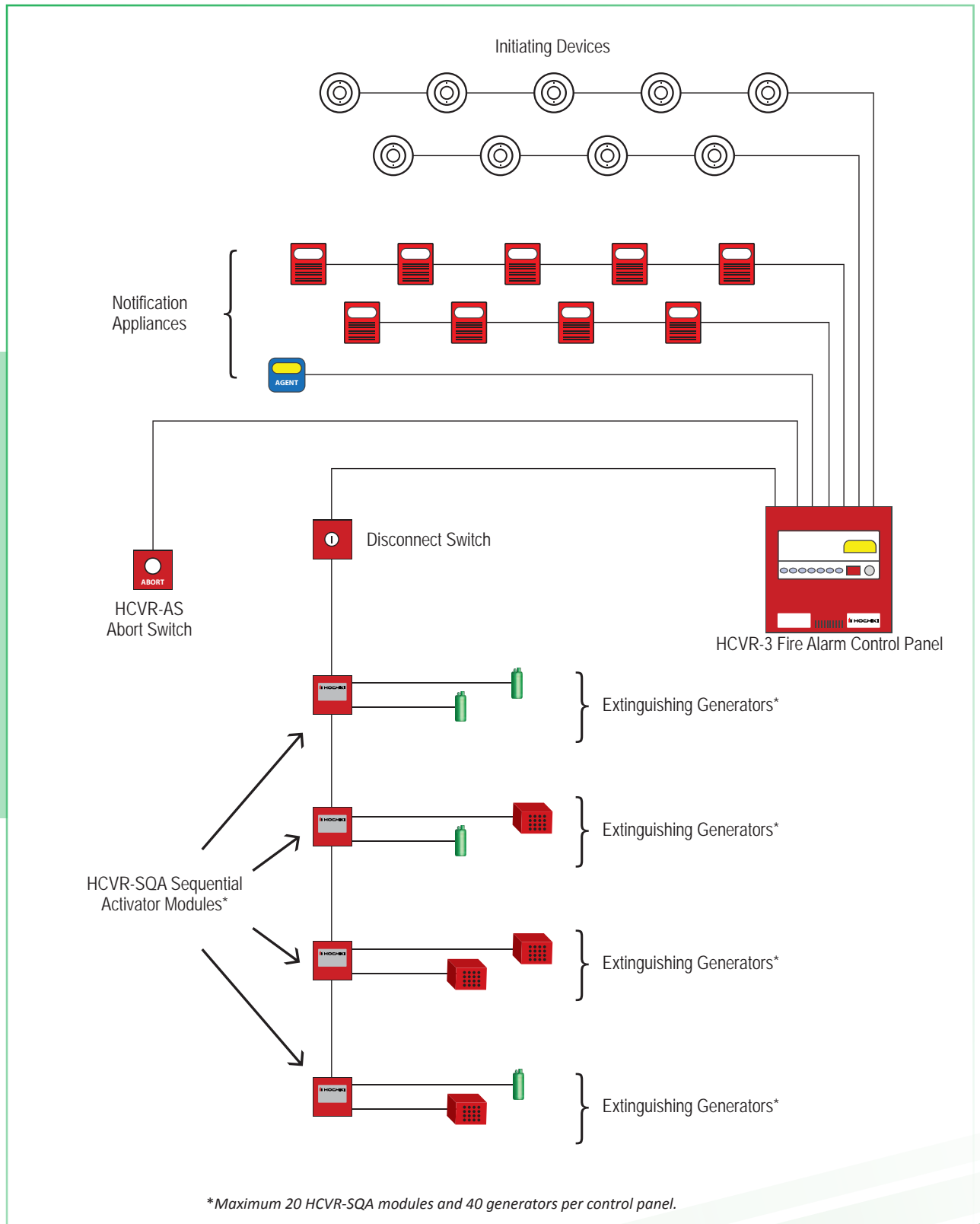


Comparison of the required quantity of: FirePro® Xtinguish vs. traditional gaseous suppression agents. Greater economy of space will open up greater numbers of applications



X T I N G U I S H

TYPICAL INSTALLATION





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THE HISTORY OF THE HOCHIKI GROUP OF COMPANIES

The history of Hochiki dates back to 1918, with the formation of the Hochiki Group of Companies. Significant events in Hochiki's history are dated up to present day:

- 1918 : Hochiki Corporation was established in Tokyo, Japan as Japan's first manufacturer of fire alarm equipment
- 1920 : The world's first addressable fire alarm system was installed in Japan by Hochiki Corporation
- 1951 : The production of the "Rate-of-Rise" heat detectors
- 1967 : The Ionization Smoke Detector was developed
- 1972 : Hochiki America Corporation subsidiary was established
Hochiki Research Laboratory in Tokyo, Japan was established
Hochiki Ionization Smoke Detector was approved by Underwriters' Laboratories, Inc.
- 1973 : Intrinsically Safe Fire Alarms System was developed
- 1977 : Hochiki America moved its facility from Hawaiian Gardens, CA to Huntington Beach, CA
- 1984 : Hochiki America began manufacturing detector bases
- 1986 : The current analog addressable fire protocol was developed – Digital Communication Protocol (DCP)
- 1988 : Hochiki America began operation as a manufacturing facility with additional production lines of smoke detector and bases being transitioned over to the United States from Japan
- 1991 : Hochiki Europe (UK) Ltd. was established in Kent, United Kingdom
- 1992 : Hochiki America established APA Technology, Inc., a subsidiary of Hochiki America and Hochiki Corporation
- 1994 : Hochiki America obtained ISO 9002 certification
- 1995 : Hochiki Corporation opened one of the world's largest fire testing facilities in Miyagi, Japan
- 1997 : Hochiki Singapore Branch Office was established
- 1998 : APA Technology Inc. merged with Hochiki America
- 1999 : Hochiki America moved to a larger facility in Buena Park, CA
- 2001 : The Beijing, China representative office was established
- 2003 : Hochiki America introduced its first "UL" approved analog addressable fire alarm control panel- the FireNet™
- 2006 : The Hochiki Fire Prevention Technology Corporation was established in Beijing, China
- 2007 : Hochiki America acquired UL 864 9th Edition listing for FireNet™
Hochiki America begins production of new models, ALK-V and SLV-24
- 2012 : Hochiki America celebrated its 40th anniversary
Hochiki Corporation Japan acquired Kentec Electronics Ltd.
Hochiki America acquired VES, LLC, a subsidiary of Kentec Electronics, Ltd.

Over 90 years later, the Hochiki Group of Companies consists of 5 factories, 10 subsidiaries and 38 branches throughout the world. Anchored by Hochiki Corporation, Hochiki America and Hochiki Europe, we are combining our efforts to offer the highest quality and most reliable fire products to meet today's ever-changing global market.

HOCHIKI AMERICA CORPORATION
WWW.HOCHIKI.COM