

Aerosol generating fire extinguishing system, New release

Eco-friendly and non-toxic aerosol generating fire extinguishing system,
"K/SMOKE"!



Electrically operated



Electrically operated (Control panel)



Non-electrically operated

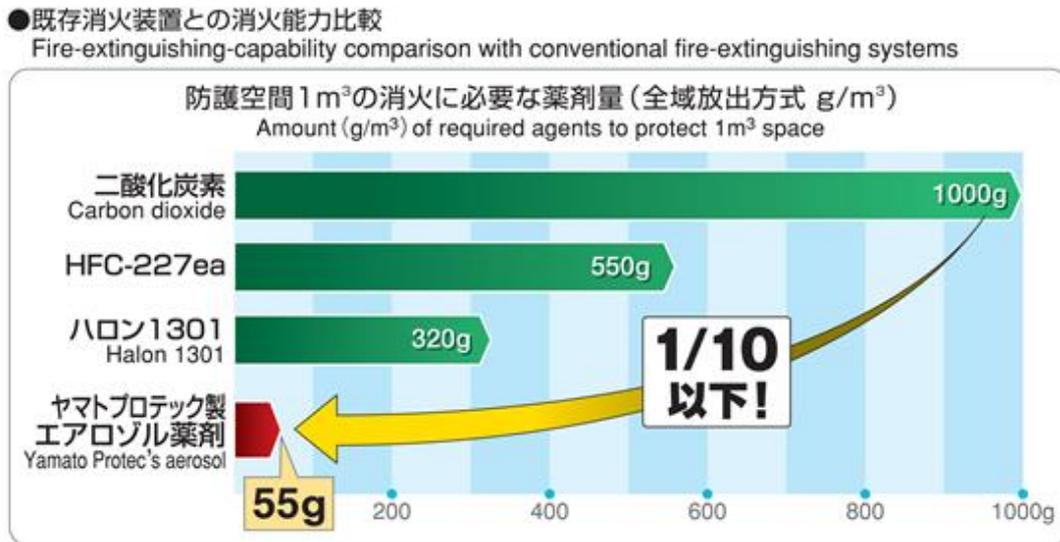
Yamato Protech Co., Ltd. (head office: Minato-ku, Tokyo, President: Masatoshi Inui) started selling the aerosol fire extinguishing system "K / SMOKE".

Yamato Protech, a comprehensive disaster prevention maker, manufactures, constructs and inspects disaster prevention equipment at various facilities. When we heard the voice of the site to provide development of new fire extinguishing chemicals, we got a lot of troubles with regard to "environment, safety, clean". In order to answer customer's needs, we developed the next generation fire extinguishing chemicals.

The device emits fire extinguishing agents as smoke, and suppresses combustion by a chemical reaction in an instant. Because it is designed to be lightweight and compact, it is easy to be installed in a narrow place, and extinguish a fire certainly with a small amount of chemicals.

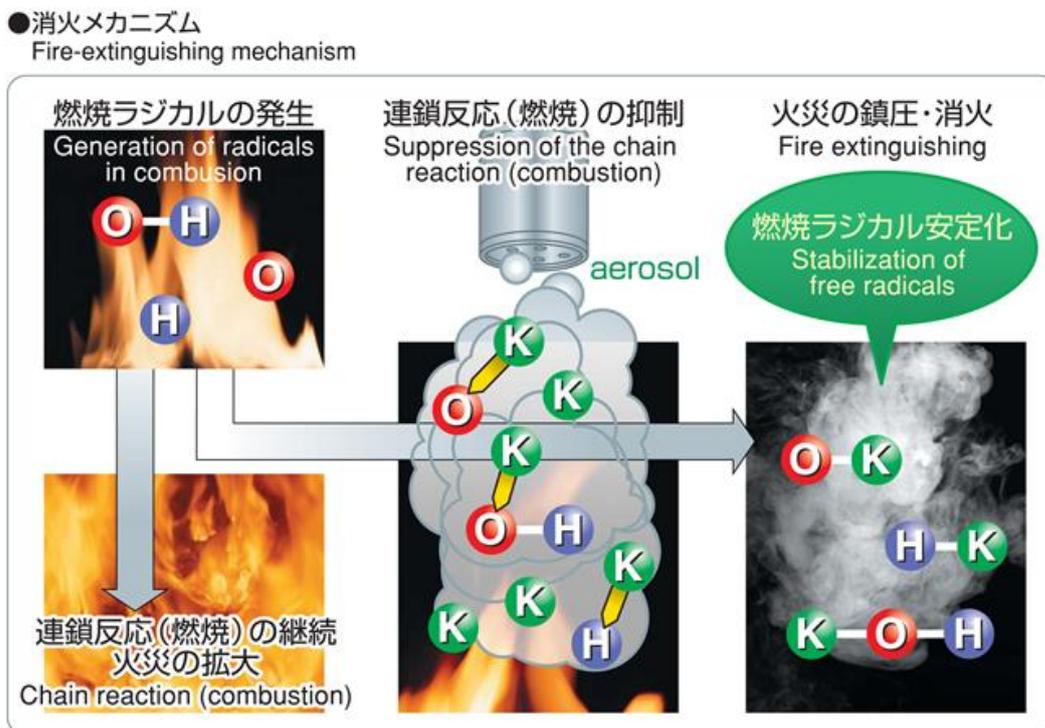
1. The amount of fire-extinguishing agent is less than 1/10 of a carbon dioxide fire extinguishing system! It has a powerful capability to extinguish a fire, though it is compact!

Emitting fire-extinguishing agents as smoke, the aerosol firefighting equipment extinguishes a fire quickly by a chemical reaction and brings out a preeminent force to extinguish a fire with a small amount of fire-extinguishing agent. It can realize the equivalent fire-extinguishing force with less than 1/10 amount of fire-extinguishing agent compared to the case of the carbon dioxide fire extinguishing system.



2. Fire-extinguishing mechanism

It emits fire-extinguishing compositions of the potassium compounds as ultrafine-particle aerosol, and by a chemical reaction, it terminates the chain reaction of combustion and extinguish a fire quickly.



3. Good at (Effective in)extinguishing oil and electric fires!

Since the device can extinguish a fire in an instant, it's effective in extinguishing oil fires. The aerosol is not conductive, so the device can be used in electricity fire safely.

4. Easy clean-up after fire-extinguishing!

Small amount of fire-extinguishing agent leaves very few residues compared to using current dry chemical or foam type of fire-extinguishing agent, so clean-up is very easy after use.

【Recommended here】

〈Electrically operated〉 It exert the power to extinguish any electric and oil fire of a machine tool, an operator control panel, and a server room!

〈Non-electrically operated〉 operator control panel, and Wind power generator

【Standard specifications】

	Electrically operated	Non-electrically operated
Name	Aerosol generating fire extinguishing system K/SMOKE	
型番	KSM-100DA	KSM-100NB
Amount of fire-extinguishing agent	100g	
Protection space	Standard protection space: 1.80m3 (closed space / oil fires)	Standard protection space: 1.0 0m3(closed space / oil fires)
Emitting time	Within 10 seconds	
Weight	1.9kg	270g
Main Charge size	Full length of the cylinder part: 112mm Diameter: 88mm	φ99mm H32mm
Operation temperature range	Installed in-door, temperature: 0°C~ +40°C	Installed in-door, temperature: -40°C~ +60°C
Automatic start	Can be started automatically by Bi-metallic sensor. (detection temperature is 70°C)	The detection unit continues for 30 seconds or longer 250 ° C or higher
List price	¥680,000	Open price

◎About Yamato Protec◎

Yamato Protec Co., Ltd. is a comprehensive disaster prevention system manufacturer founded in 1918 (Taisho 7). We develop and manufacture fire extinguishers, fire extinguishing systems such as buildings, fire alarm systems, evacuation guidance devices, crime prevention equipment and others.

We celebrated our 100th anniversary on January 17, 2018. It is our mission to inherit the philosophy of our foundation, "I want to protect irreplaceable human life and wealth" as a basic philosophy, and to provide safety and security to society through business. We have a corporate slogan "Wishing for Your Safety," and we are challenging the entire company with the whole world in mind, not just in Japan.

[Creation] January 17, 1918

[Head office] 5-17-2 Shirokanedai, Minato-ku, Tokyo

[Capital] ¥99 million

[President] Masatoshi Inui

[Employee] 356 people (April 2018)

[Sales] ¥24.12 billion (December 2017)

[Business lineup] Design, construction supervision and maintenance supervision, construction design and construction and supervision of fire extinguishing equipment, fire alarm equipment, evacuation guidance equipment, pollution disaster prevention related matters, pipe work and electric work etc, fire extinguishing equipment Manufacture of fire extinguisher and extinguishing agent Sales, security design and construction supervision and maintenance supervision

[Company URL] <https://www.yamatoprotec.co.jp/>

[Associated company] 7 domestic companies / 6 overseas companies

■Inquiries

Media / Fire-fighting authority Inquiries	Consumer Inquiries
 Makoto Ichikawa +81-3-3446-7153(直通)	 Customer consultation desk 81+0570-080100

以上