Patented Technology FPC Compound

Compact-strong solid

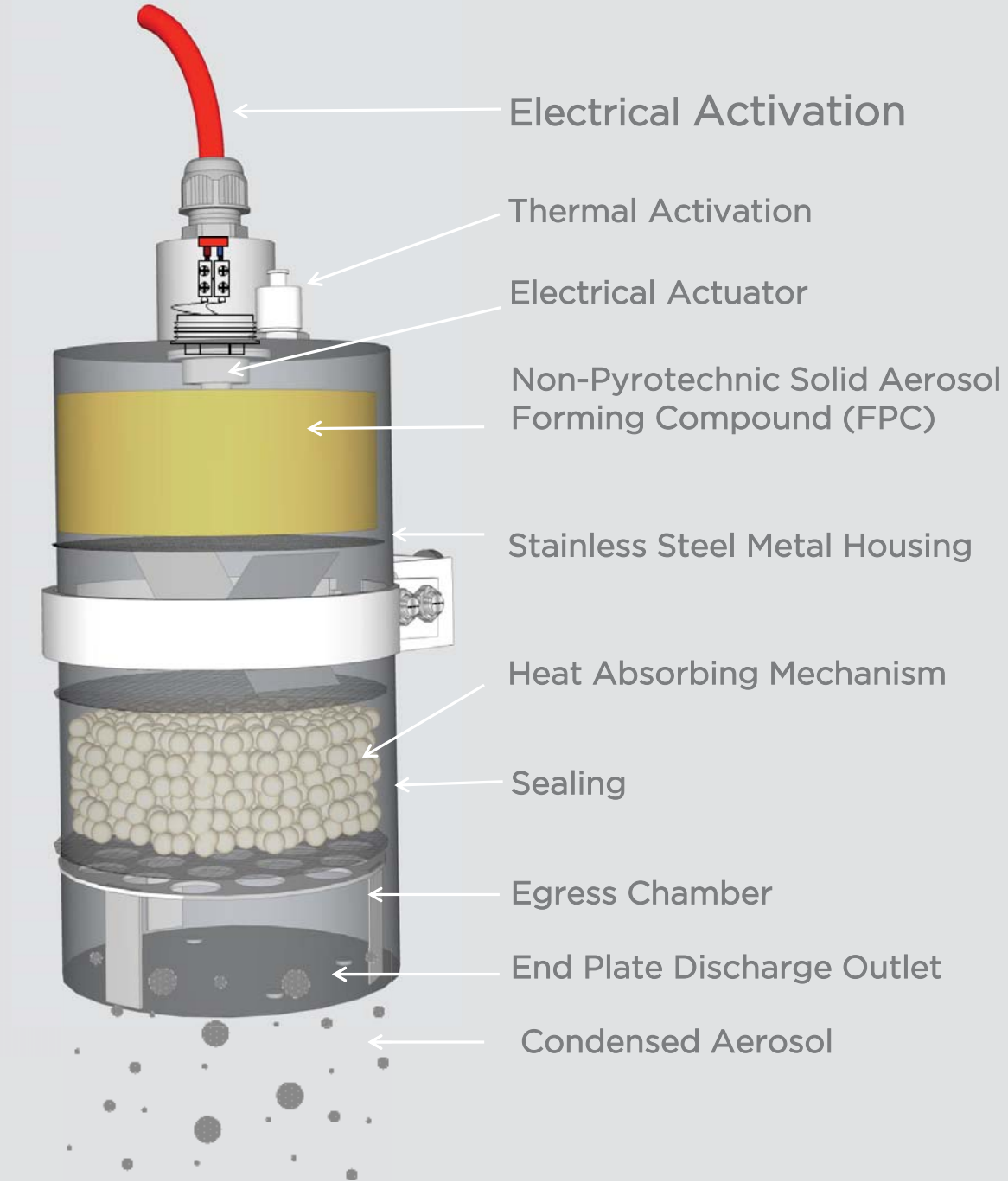
Potassium Salts - K_2CO_3

Certified Life 15 Years

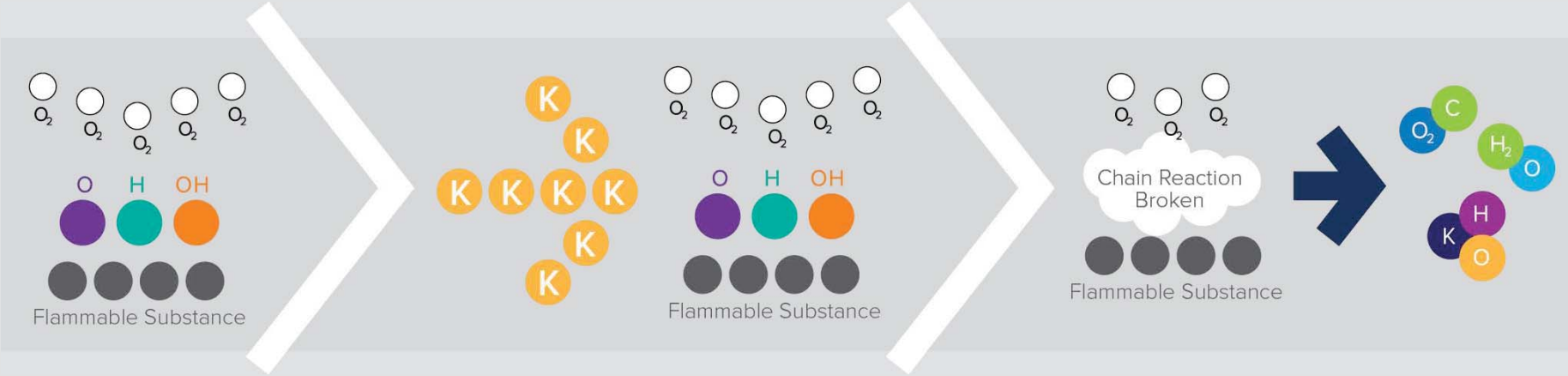
Self-activation Temperature - 300 deg C

No chemical reaction with cooling material

Condensed Aerosol Generator



How does Aerosol work?



Formation of radicals (O*, H*, OH*) during the chemical chain reactions of fire

Formation of Potassium free radicals

K+ (radicals) react with fire free radicals (OH, O, H)

Formation of Potassium Hydroxide

KOH react with CO2 to form Potassium Carbonate

FirePro. Aerosol Comparison against Other Suppression Media

Suppression Agent	Toxicity Level	ODP	GWP	ALT (Years)	Extinguishing Concentration		Mechanism of Fire Suppression
					%	g/m-3	
FirePro.	Nil	0	0	0	-	76.4	Chemical
Halon 1301	Low	10	5600	65	5	330	Chemical
FM-200	Low	0	2900	36.5	7	530	Physical
NAFS-III	Low	0.036	1450	12	11.9	530	Physical
FE-13	Low	0	11700	264	17	470	Physical
FE-25	Low	0	2800	32.6	10.9	580	Physical
Argonite	Low	0	0	0	33.6	600	Physical
Argotec	Low	0	0	0	38	500	Physical
Inergen	Low	0	0	0	37.5	500	Physical
CO2	High	0	-	-	50	900	Physical
Water	Nil	0	0	0	-	-	Physical
Powder	Low	0	0	0	-	1400	Chemical / Physical

FirePro Efficiency

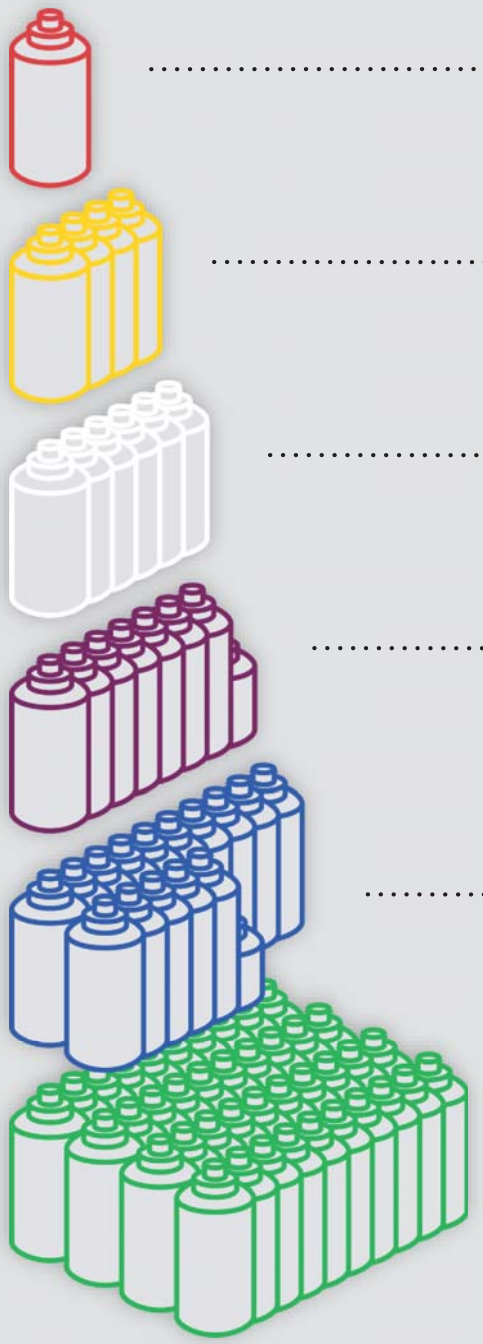
4x more efficient than Halon 1301

6x more efficient than FM-200

7.5x more efficient than FE-13

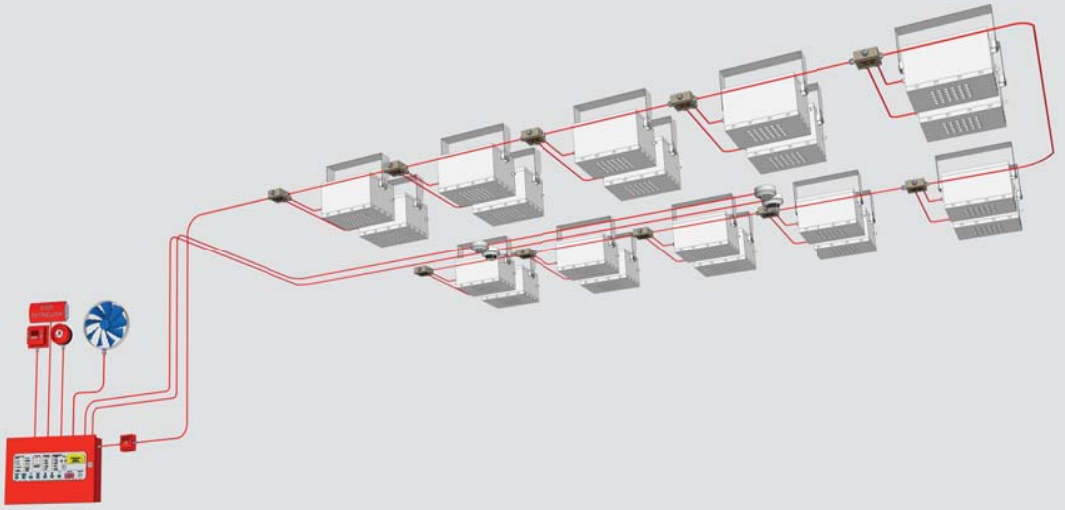
15.5x more efficient than CO2

40x more efficient than inert gases



No Storage, No Pressure, No Pipes

Advantages



For the Designer

- Simple design.
- Modular
- Fail Safe System.
- Feasible to protect risks that previously were not possible.

For the Client

- No Agent Storage Space needed
- No pressure tests required
- 15 years lifetime
- Safe for Humans & Environment

For the Installer

- No pressure integrity tests
- Simple & Fast installation
- No Piping

FirePro.