

Case Study	<b>COMMERCIAL LAUNDRIES</b>
Region and year of installation	NEW ZELAND, 2014/15
Areas of installation	<ul style="list-style-type: none"> <li>➤ Commercial laundries</li> <li>➤ Industrial laundries and ironing</li> <li>➤ Electrical machinery</li> </ul>
Implemented solutions	<ul style="list-style-type: none"> <li>➤ Self-Activated Fire Extinguishing Ampoule BONPET</li> <li>➤ Grenade BONPET</li> </ul>

### Self-Activated Fire Extinguishing Ampoule BONPET - Fire Safety for your Home and Business

Ampoule is the most effective product for extinguishing a fire in small and indoor areas without being constantly present and a fire extinguishing product with an aesthetic appearance. Indispensable everywhere you assume that the temperature will rise rapidly, when the fire starts (ceiling or closed wall to the potential location for a fire).



The best effect for extinguishing fires of class A, is when the ampoule covers approximately 8m3 of an area. Suitable for extinguishing fires of classes A, B and F. It has a 10-year product life expectancy and 10-year warranty with no need for maintenance.

**No false alarms, without additional damage and it is human and environment friendly (no halons).**

#### Ampoule Bonpet – how it works? Fire safety and how to prevent Fire?

- When a fire breaks out in a small enclosed area and temperature rises, extinguishing liquid simultaneously begins to heat and as a result, the liquid starts to extend in the glass ampoule.
- When the temperature of the extinguishing liquid is approximately  $85^{\circ}\text{C} \pm 5^{\circ}\text{C}$  the glass breaks into pieces which allows the liquid to drop into the area, where endothermic process begins.
- It takes the energy from the fire and starts to cool the area. As a side product of this endothermic reaction, small quantities of nitrogen and carbon dioxide are released. Their function is to prevent the entrance of oxygen to the burning area.
- Remaining components that do not decay, form a protective layer over the surface of the extinguishing liquid, which prevents re-ignition. Ampoule BONPET can be used manually by throwing the ampoule directly into the source of a fire.

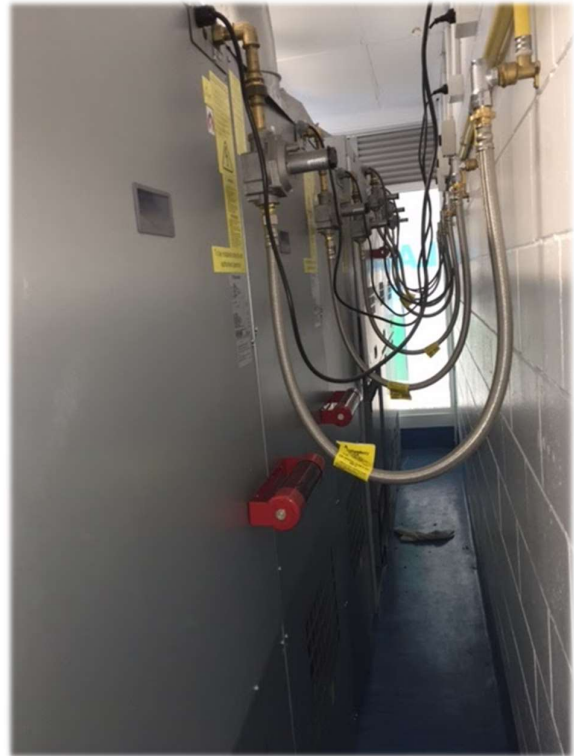


#### Grenade BONPET – with the “throw and extinguish” way we have added a new dimension of convenience and safety

Grenades Bonpet are used for extinguishing fires of classes A, B and F, in smaller concealed places, where with throwing the grenade we can actually extinguish the fire from a distance. Grenade is the most practical fire extinguishing product, which can be attached to an accessible and frequent enough place. It can be used by security guards on longer security patrol.



**Commercial laundries.**



**Industrial laundries and ironing.**

