AUTOMATIC SELF ACTIVATED FIRE EXTINGUISHER BONPET

- 10 year lifetime
- No maintenance costs
- Worldwide insurance coverage compensate up to €1.000.000
- Friendly to humans, animals and the environment

When a fire starts every second counts!

22.25.10.59 / 96.25.10.59
www.fire-defender.com
**Technical Specifications**

<table>
<thead>
<tr>
<th>NAME:</th>
<th>BONPET Automatic Self Activated Fire Extinguisher</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOTAL WEIGHT:</td>
<td>1030 gr.</td>
</tr>
<tr>
<td>NET WEIGHT AMPOULE:</td>
<td>830 gr.</td>
</tr>
<tr>
<td>DIMENSIONS:</td>
<td>80 x 280 mm</td>
</tr>
<tr>
<td>MATERIAL QUANTITY:</td>
<td>600 cm³</td>
</tr>
<tr>
<td>TYPE OF GLASS:</td>
<td>Safety glass</td>
</tr>
<tr>
<td>EXTINGUISHING MATERIAL METHOD:</td>
<td>The liquid inside the ampoule transforms mainly gaseous form when heat</td>
</tr>
<tr>
<td>ACTIVATE METHOD:</td>
<td>Automatic and self activation when the temperature reaches 75 °C - 85°C to 90°C maximum tensile instantaneous temperature, without requiring any external power. Also has the ability for manual activation (Bonpet triggering device)</td>
</tr>
<tr>
<td>EXTINGUISHING METHOD:</td>
<td>Its combination of fast elimination of oxygen from the burning surface and producing a protective film that prevents further ignition</td>
</tr>
<tr>
<td>ENVIRONMENTAL SAFETY:</td>
<td>Absolutely environmentally friendly, harmless to humans and animals</td>
</tr>
<tr>
<td>PROTECTION COVERAGE:</td>
<td>8 m³</td>
</tr>
<tr>
<td>FUNCTIONAL TIME WARRANTY:</td>
<td>10 years</td>
</tr>
</tbody>
</table>

**HOW IT WORKS:**

When the fire breaks out it heating the BONPET 90°C, and the components of the chemical liquid burst the special glass of the container and the fire extinguishing liquid is sprinkled into the fire through the flame.

It forms coating on the surface of the firing material for a short time then dissolves. Because of the dissolving reduces the heat in the ground of burning and the dissolved fire extinguishing material - in the course of chemolysis and transformation procession - reduces the amount of oxygen with 2-3% in the combustion chamber and then breaks off the chain reaction of the burning with anticatalytic processions.

Because of the conjugated effects above mentioned the BONPET extinguishes the fire extremely fast (even within seconds).

Because of the little deoxygenation the humans and living beings are not hurt.
BONPET is a unique product, which is appreciated and offered also by the Japanese Ministry of Transport itself. The BONPET products have the qualification of ISO-9001.

The BONPET products have been tested also by the Delectric Constant Test9., article of ANNEX C. EN 3. T. + A1-2007. It means, that all BONPET products can be used for extinguishing of electrical fires until 60,000 V.

The automatic function lets the ampoule activate in initial time of the fire source. Activates without human intervention. It is a secure and effective fire extinguishing manner even if there is no anybody in the premises. It does not need electricity for its working. Because of its simple technology it has much lower cost of installation than the other fire extinguisher systems based on water or gas.

The BONPET products have been authorized in more than 40 countries. They were tested by VINIPO (official laboratories of European group of Medelm for tests of fire protection).
To calculate the covered space than ampoules automatic
Extinguishing BONPET must take
into account that each ampoule
covers 4m² (square meters) or
8m³ (cubic meters) a closed
space when placed in 2m height
meters above the protected area.

BONPET extinguishing area is about 7 - 10 sqm in a
sparsely furnished room and the effective extinguishing
time is roughly 7 - 17 seconds. For a normal furnished
room, the extinguishing area is about 4 - 7 sqm. BONPET
can effectively extinguish fires from a variety of sources
such as wood, pulp and paper, textile, plastic, linen,
rubber and celluloid.

It can even effectively put out the source of fire which
is normally difficult to extinguish with water such as
kerosene, grease and electrical appliances.

<table>
<thead>
<tr>
<th>TYPE OF MATERIAL ON FIRE</th>
<th>BONPET</th>
<th>WATER</th>
<th>HALON OR ITS SUBSTITUTE (GASEOUS EXTINGUISHING SUBSTANCE)</th>
</tr>
</thead>
<tbody>
<tr>
<td>wooden materials</td>
<td>Good</td>
<td>Good</td>
<td>Bad</td>
</tr>
<tr>
<td>paper, textile</td>
<td>Good</td>
<td>Good</td>
<td>Bad</td>
</tr>
<tr>
<td>bed linen</td>
<td>Good</td>
<td>Good</td>
<td>Bad</td>
</tr>
<tr>
<td>rubber,celluloid</td>
<td>Good</td>
<td>Good</td>
<td>Bad</td>
</tr>
<tr>
<td>plastic</td>
<td>Good</td>
<td>Good</td>
<td>Good</td>
</tr>
<tr>
<td>gasoline</td>
<td>Good</td>
<td>Bad</td>
<td>Good</td>
</tr>
<tr>
<td>kitchen fats</td>
<td>Good</td>
<td>Bad</td>
<td>Bad</td>
</tr>
<tr>
<td>other oils</td>
<td>Good</td>
<td>Acceptable</td>
<td>Good</td>
</tr>
<tr>
<td>electrical devices and installations</td>
<td>Good</td>
<td>Bad</td>
<td>Good</td>
</tr>
</tbody>
</table>

**Diffusions (Effective Extinguishing Area):**

The rate of diffusion of the chemical solution is measured by installing
a BONPET on the wall at a height of 2 m.

The rate of diffusion shown herein are average values and are subject
to variation depending on the circumstances.
**EFFECTIVENESS**

*Ampoules automatic fire extinguishing BONPET can protect effectively places with small cubic volume extinguishing the fire in the beginnings.*

Placing the ampoules in or on electrical panels above electronic equipment, under hoods, etc. are preventing larger damage from the spread of fire.

In most cases these points can not be covered by volumetric technical systems (whole sprawling etc.) due to uneconomic cost, but statistical surveys proves that there are the areas most fires starts.

*Function application process ampoules BONPET*

*Implementation of the ampoule BONPET engine room ceiling*

*Implementation of the ampoule BONPET near electronic equipment that is impossible to meet with systymata whole sprawling*
The grenade of Bonpet activated by throwing it into the hearth fire.

**Material:** PVC

**Filling:** 500 ml of liquid Bonpet

**Usage:** As a fire-extinguishing grenades. Granato with mentanjem smash near the fire.

The purpose of extinguishing grenades Bonpet: Grenades Bonpet are designed for extinguishing fires in small confined areas where potential sources of fire.

Grenade is recommended to use the following features:

- effectively extinguishing any incipient stage and the protection of property and lives in households, businesses, boaters, and others;
- used to fire the grenade throwing to the source of fire;
- does not cause additional damage for fire, because the residual liquids easily wipe;
- contains environmentally friendly extinguishing agent.

**Advantages:** It has a long life (5 years), no maintenance costs.

**Size, weight, quantity:** Size: 197mmX60mm (diameter), Weight: 700 g, grenade containing 500 ml of liquid extinguishing agent Bonpet.

**Colors:** extinguishing ampoule are available in two different color versions: white and red

**How to use**

- By throwing on a wall located the fire
- By throwing on the fire
- Dilute with water

The grenade of BONPET

It is ecological product and harmless to electronic equipment.

Click to view the video of the experiment made by experts of Fire extinguishing grenades with Bonpet:

https://www.youtube.com/watch?v=cZY9VTuporU
SUITABLE FOR USE IN:

- small starting fires
- house
- kitchen
- cookers, barbecues
- offices
- warehouses
- cars and vehicles in general
- cottage, boats.

It is non-toxic, biodegradable, environmentally friendly.

WAYS OF USE

The extinguishing spray Bonpet is an innovative product designed for security purposes.

It is an effective extinguishing medium for fires type A - B - F in the presence of electricity.

- Remove the lid.
- Get closer to the fire one meter and mark at the base of the fire.
- Press the trigger and spray the entire burning surface.

Functional life: 5 years

ABSOLUTELY WITHOUT ANY MAINTENANCE PROCEDURE
MADE IN THE EUROPEAN UNION
Certificates
Policy No.: 6802475

Products Liability Insurance

INSURED: BONPET SY, d.o.o.
Obtrniška cesta 30
SI-1420 TRBOVLJE

COVERAGE: Product Liability on occurrence basis

CONDITIONS: General Conditions of Product Liability Insurance (PG-o/2/06-10).
Terrorism Exclusion Clause (KL-ZA-teror/o2-1)

POLICY PERIOD: October 22, 2007 – permanently

TERRITORY SCOPE: World-Wide

LIMIT OF LIABILITY: EUR 1,000,000 per occurrence and in annual aggregate

DEDUCTIBLE: EUR 1,000 per occurrence

MAIN EXCLUSIONS:
Own Damages/Intentional Acts
Damages caused by gifted products
Damages to Insured’s Product or Work
Pollution (other than sudden and accidental)
Asbestos
Nuclear Risks
Professional Indemnity
Product Recall
Terrorism

MINIMUM DEPOSIT PREMIUM: EUR 3,306

Trbovlje, October 22, 2007

Insurer:
Triglav Insurance Company Ltd.

Insured:
BONPET SY, d.o.o.
Certifikat

prejme

BONPET SYSTEMS, d.o.o.
OBRTNIŠKA CESTA 30, 1420 TRBOVLJE, SLOVENIJA

Bureau Veritas Certification potrjuje, da je bila opravljena presoja sistema vodenja v navedeni organizaciji in da je uvedeni sistem vodenja skladen z zahtevami sledečega standarda

STANDARD

ISO 9001:2008

Področje certificiranja

PROIZVODNJA SAMODEJNIH GASILNIH AMPUL BONPET
IZVEDBA IN SERVISIRANJE VGRAJENIH GASILNIH NAPRAV NA TEKOČE GASILNO SREDSTVO BONPET

Prvotni datum odobritve: 07/05/2009

Pod pogojem, da organizacija ne prekrši ena nagovarja izdelek vseh delov sistema vodenja, je veljavnost tega certifikata do: 06/05/2015

Za podrobnejše informacije o veljavnosti tega certifikata pokličite: (1) 47 57 670

Dodatna pojasnila v zvezi z področjem certificiranja ter sistemom vodenja, ki ga pokriva ta certifikat, lahko dobiš pri certificirani organizaciji.

Številka certifikata: SL18609Q
Datum: 19/04/2012

Borut Mlakar – Certification Manager

CERTIFICATION AUTHORITY: Bureau Veritas Certification, a.s., Olbramovitsa 1, 140 02 Praha 4, Czech Republic
MANAGING OFFICE: Bureau Veritas Certification, Ljubljanska cesta 49a, 1000 Ljubljana, Slovenija.
<table>
<thead>
<tr>
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<th>2 REFERENCE / RÉFÉRENCE, DATE</th>
<th>3* TO / POUR</th>
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<td></td>
<td>WL/1077Q</td>
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<tr>
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<tr>
<th>6* REVISED NAME AND ADDRESS AS INDICATED / NOM ET ADRESSE RÉVISÉS COMME INDIQUÉ</th>
</tr>
</thead>
<tbody>
<tr>
<td>BONPET SYSTEMS D.O.O.</td>
</tr>
<tr>
<td>OBRTNIŠKA CESTA 30</td>
</tr>
<tr>
<td>1420 TRBOVLJE</td>
</tr>
<tr>
<td>SLOVENIA</td>
</tr>
<tr>
<td>tel. : +386 3 5614720</td>
</tr>
<tr>
<td>fax. : +386 3 5614722</td>
</tr>
<tr>
<td>www : <a href="http://WWW.BONPET.SI">WWW.BONPET.SI</a></td>
</tr>
<tr>
<td>e-mail : <a href="mailto:bonpet@siol.net">bonpet@siol.net</a></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>7* TYPE OF ORGANISATIONAL ENTITY CODE ASSIGNED / CODE TYPE D'ORGANISME ATTRIBUÉ</th>
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<tr>
<th>8* NCAGE STATUS DESIGNATOR CODE Assigned/ CODE Position NCAGE ATTRIBUÉ</th>
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<tr>
<th>9 REMARKS / REMARQUES</th>
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<tr>
<th>10 SIGNATURE</th>
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</thead>
<tbody>
<tr>
<td>Aleš Železnik</td>
</tr>
<tr>
<td>NCB SLOVENIA</td>
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</tbody>
</table>

**NATO FORM AC/135-No 2B (02.01)**

**FORMULAIRE OTAN AC/135-N°2B**
Declaracja Zgodności WE
EC Declaration of Conformity

Firma PNEMAR Marek Sobczyk deklaruje, że produkt:
Company - PNEMAR Mark Sobczyk is declaring, that product:

Nazwa produktu: GASILNI SPREJ
Product Name: GASILNI SPREJ

wyprodukowany na zlecenie firmy: BONPET SYSTEMS d.o.o.
produced to the order of: BONPET SYSTEMS d.o.o.
Obtrniška 30
1420 TRBOVLJE
Slovenia
Obtrniška 30
1420 TRBOVLJE
Slovenia

zawierający - 600 g środka gaśniczego w dozowniku aerozolowym,
containing - 600 g of extinguishing agent in the aerosol dispenser

produkt oznaczony data produkcji - P.D 26.01.2011 r
product is marked with a date of manufacture - PD 01.26.2011 r

jest zgodny z normami:
complies with the standards:

Opisany produkt spełnia zasadnicze wymagania:
Described the product meets the essential requirements:

DYREKTYWA KOMISJI 2008/47/WE
z dnia 8 kwietnia 2008 r. zmieniającą, w celu dostosowania do postępu technicznego,
dyrektwę Rady 75/324/EEG w sprawie zbliżenia ustawodawstw państw członkowskich
odoszczających się do dozowników aerozoli.

COMMISSION DIRECTIVE 2008/47/EC
of 8 April 2008 amending, for the purposes of adapting to technical progress, Council Directive
75/324/EEC on the approximation of the laws of the Member States relating to aerosol
dispensers

Data: Imię Nazwisko - Podpisanie

PNEMAR Marek Sobczyk
41-310 Dąbrówka Górnicza
ul. Legionów Polskich 125/5
NIP PL629-225-37-44
We have everything on fire safety and extinguishing items of professional and of private living spaces at the best prices in the market and certifications of the largest agencies!

Fire Defender
The Ultimate Fire Safety Shield

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www.fire-defender.com