

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!**

BONPET 
SOLUTIONS FOR THE SAFETY MARKET

22.25.10.59 / 96.25.10.59
www.fire-defender.com



Technical Specifications

NAME: BONPET Automatic Self Activated Fire Extinguisher

TOTAL WEIGHT: 1030 gr.

NET WEIGHT AMPOULE: 830 gr.

DIMENSIONS: 80 x 280 mm

MATERIAL QUANTITY: 600 cm³

TYPE OF GLASS: Safety glass

EXTINGUISHING MATERIAL METHOD: The Liquid inside the ampoule transforms mainly gaseous form when heat

ACTIVATE METHOD: 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)

EXTINGUISHING METHOD: Its compination of fast elimination of oxygen from the burning surface and producing a protective film that prevents further ignition

ENVIRONMENTAL SAFETY: Absolutely environmentally friendly, harmless to humans and animals

PROTECTION COVERAGE: 8 m³

FUNCTIONAL TIME WARRANTY: 10 years

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 formes 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 oxygén with 2-3% in the combustion chamber and then breaks off the chain reaction of the burning with anticatalystic 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.



Ampoule Automatic Extinguishing

BONPET is an innovative fire extinguisher that is revolutionary in both the design and the working principles. It comes in the form of a glass cylinder filled with a chemical solution that will activate automatically at elevated temperatures in case of fire.

BONPET has a different set of working principles from conventional extinguisher in that the former can function in an automatic mode, manual throwing and diluting with water.

The BONPET is an environment-friendly automatic fire extinguisher based on liquid.

The BONPET automatic fire extinguisher with its **excellent extinguishing ability and perfect effectiveness and compact execution** opens a new area in fire extinguishing. Using it is **no dangerous for humans nor other living organism nor – even valuable – equipments and instruments close to it.** It can work even in extreme weather conditions (-23 + 80) and operates reliably. The chemical liquid (by the certificate of the manufacturer) is effective **without maintenance and control for 10 years.**

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).

The 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.**



EFFECTIVENESS

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.

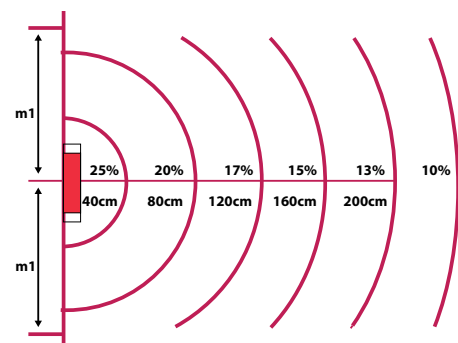
TYPE OF MATERIAL ON FIRE	BONPET	WATER	HALON OR ITS SUBSTITUTE (GASEOUS EXTINGUISHING SUBSTANCE)
wooden materials	Good	Good	Bad
paper, textile	Good	Good	Bad
bed linen	Good	Good	Bad
rubber, celluloid	Good	Good	Bad
plastic	Good	Good	Good
gasoline	Good	Bad	Good
kitchen fats	Good	Bad	Bad
other oils	Good	Acceptable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



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

Grenade BONPET

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.

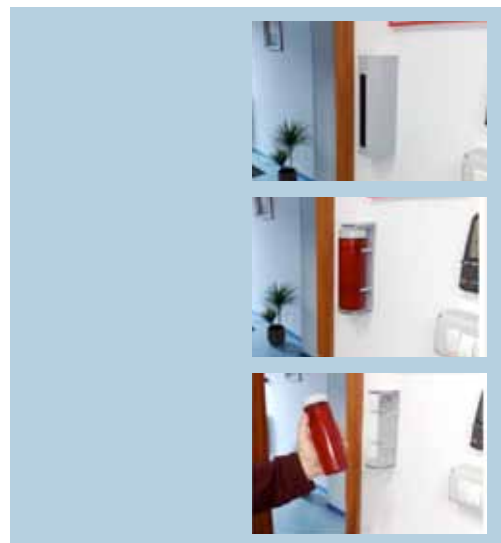
Advantages: It has a long life (5 years), no maintenance costs.

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>



BONPET

SPRAY 600gr.



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



YANGINDAN KORUNMA SİSTEMLERİ ÜÇÜNCÜ TARAF GÖZETİM SERTİFİKASI CERTIFICATE OF THIRD PARTY INSPECTION FOR FIRE PROTECTION SYSTEMS



Sertifika No /Certificate No: **11.YS.01.04**
PGM Proje/Project Ref. No: **10.YS.05**

PROJE BİLGİLERİ PROJECT DETAILS

Müşteri <i>Inspection ordered to PGM</i>	BONPET SYSTEMS D.O.O. OBRTNISKA CESTA 30, 1420 TRBOVLJE, SLOVENIA		
Proje Adı <i>Project Name</i>	BONPET FIRE PROTECTION FIX SYSTEMS		
İmalatçı-Müteahhit <i>Manufacturer-Supplier</i>	1- OMV Slovenia Petrol Station 2- ARCONT, Gorinja Radgona, Paintshop 3- DARS d.d. (National motorway companies) Diesel Generators and Transformers Stations 4- KEMIS VRHINKA - storing the dangerous waste, such as oil and other dangerous 5- SAVSKE ELEKTRARNE Hydro Power Plant Transformer Station		
Muayene Yapılan Malzemeler-Parçalar <i>Description of the Supply/Items</i>	BONPET SYSTEMS D.O.O. OBRTNISKA CESTA 30, 1420 TRBOVLJE, SLOVENIA AUTOMATIC FIRE EXTINGUISHER (BONPET AMPOULE) CLASSIC TUBE FIRE EXTINGUISHER (PORTABLE) BONPET 2 LITRES FIXED FIRE EXTINGUISHING SYSTEMS Below product's test conducted in Bonpet Facility in Garbsko 11 a 1420 Trbovlje-Slovenia		
Muayene Kapsamı <i>Scope Of The PGM Inspection</i>	PGM MUAVENE KAPSAMI INSPECTION SCOPE OF PGM BONPET FIRE EXTINGUISHER SYSTEMS CONFORMANCE		
İlgili Standartlar <i>Related Standards</i>	NEPA 18 on Wetting Agents		
Sertifika Ekleri <i>List of enclosures</i>	INSPECTION REPORT AND DOCUMENT REVIEW OF TECHNICAL CONSTRUCTION FILE (10.YS.05)		
Bu sertifika listelenen ekleri ile birlikte geçerlidir. Sadece kapasız ekli sayfalar bu sertifikanın bir parçasıdır. This certificate is valid together with enclosures (if listed). Only pages of enclosures (or parts of pages) which are stamped are considered as part of this certificate.			
Parçaların Markalanması <i>Marking and Stamping on the Items</i>			
PGM Muayeneye Faaliyetlerinde Taahhüt Kullandı mı? <i>Is PGM use any sub-supplier during inspection activities?</i>	NO	Eğer Kullandı ise <i>If Yes : Details and scope of the services</i>	Non
Görüşler <i>Particulars or comments</i>	BU SERTİFİKA İLE BONPET SYSTEMS D.O.O. TARAFINDAN VERİLEN DOKÜMAN, PROJE, KALİTE KAYITLARININ İNCELENMESİ VE YANGIN SİSTEMİ TESTLERİNİN TAMAMLANMASI SONRASINDA YUKARIDA VERİLEN YANGIN SİSTEMİNİN NEPA 18 STANDARTI ŞARTLARINA UYGUN OLDUĞUNU BELGELENDİRİRİZ. We certify that the here above-mentioned fire protection systems product were manufactured and inspected in conformity with the applicable requirement of Standard No: NEPA 18 on wetting agents according to our reviewing of documents and quality controls records and tests.		
Hazırlama Tarihi <i>Date of issuance</i>	12.05.2011	Hazırlayan <i>Issued by</i> Adı-Soyadı: <i>Name</i>	PGM MEHMET ALI UĞUR Fire Protection Systems Supervisor
Son Gözetim Tarihi <i>Date of last inspection</i>	10.05.2011	İmza <i>Sign</i>	PGM ARZU YAĞCI Technical Manager
Kontrol Yeri <i>Place Of Inspection</i>	BONPET - SLOVENIA	İmza <i>Sign</i>	GEÇERLİLİK SÜRESİ VALIDITY OF APPROVAL UNTIL : 11.05.2013
<small>This certificate is issued pursuant to an inspection whose duration and scope was limited by the terms and conditions of the contract with PGM's principles. This certificate is not an indication that the item(s) is (are) fit for any specific purpose and does not release the manufacturer, supplier and its any parts from their respective duty, guarantee, obligation and/or warranty relating to, without limitation, products, workmanship, materials, safety, performance in operation and/or reliability.</small>			

PGM PROJE GÖZETİM MÜHENDİSLİK VE KALİTE KONTROL HİZMETLERİ SAN. Tİ.C. ŞİŞTİ
PGM PROJECT INSPECTION ENGINEERING AND QUALITY CONTROL SERVICES AND TRADE LTD
Etilim Sokakı Sahaşahinçiftliği Mah. 3. Blok No:45 113.30 31 11 NİŞANCI ANKARA TÜRKİYE
Tel: (0312) 346 654 18 19 - Fax: (0312) 346 654 18 19
E-posta: pgm@pgmgozetim.com
www.pgmguzetim.com

CO: NE.13.02

Policy No.: 6802475

Products Liability Insurance

INSURED: BONPET SY.,d.o.o.
Obrtniška cesta 30
SI-1420 ITRBOVLJE

COVERAGE: Product Liability on occurrence basis

CONDITIONS: General Conditions of Product Liability Insurance (PG-01z/06-10),
Terrorism Exclusion Clause (KL-ZA-teror/02-1)

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.



BUREAU VERITAS
Certification



Certifikat

prejme

BONPET SYSTEMS, d.o.o.

OBRJNIŠKA CESTA 30, 1420 TRBOVLJE, SLOVENIJA

Bureau Veritas Certification potrjuje, da je bila opravljena presoja sistema vodenja v navedeni organizaciji in da je uveden 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 neprekinjeno zagotavlja zadovoljivo delovanje 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 s področjem certificiranja ter sistemom vodenja, ki ga pokriva ta certifikat, lahko dobite pri certificirani organizaciji.

Številka certifikata: **SL18609Q**

Datum: **19/04/2012**

Borut Mlakar – Certification Manager

Bureau Veritas Certification
using the accreditation
certificate number 008



CERTIFICATION AUTHORITY: Bureau Veritas Certification, s.r.o., Ollbrachtova 1, 140 02 Praha 4, Czech Republic
MANAGING OFFICE: Bureau Veritas Certification, Linhartova cesta 49a, 1000 Ljubljana, Slovenija

NATO CODIFICATION SYSTEM - SYSTÈME OTAN DE CODIFICATION

REQUEST FOR A NATO COMMERCIAL AND GOVERNMENT ENTITY CODE (NCAGE) /
 DEMANDE D'UN CODE OTAN D'ORGANISME COMMERCIAL OU GOUVERNEMENTAL (NCAGE)

PART B

PARTIE B

1* FROM / DE WL	2 REFERENCE / RÉFÉRENCE, DATE	3* TO / POUR WL/1077Q					
4* CONTROL NUMBER / NUMÉRO DE CONTRÔLE							
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SERIAL No. / N°SÉRIE 0 1							
5* NCAGE CODE ASSIGNED / CODE NCAGE ATTRIBUÉ <table style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td style="border: 1px solid black; padding: 2px 10px;">1</td> <td style="border: 1px solid black; padding: 2px 10px;">0</td> <td style="border: 1px solid black; padding: 2px 10px;">7</td> <td style="border: 1px solid black; padding: 2px 10px;">7</td> <td style="border: 1px solid black; padding: 2px 10px;">Q</td> </tr> </table>	1	0	7	7	Q	6* REVISED NAME AND ADDRESS AS INDICATED / NOM ET ADRESSE RÉVISÉS COMME INDIQUÉ BONPET SYSTEMS D.O.O. OBRTNIŠKA CESTA 30 1420 TRBOVLJE SLOVENIA tel. : +386 3 5614720 fax. : +386 3 5614722 www : WWW.BONPET.SI e-mail : bonpet@siol.net	
1	0	7	7	Q			
7* TYPE OF ORGANISATIONAL ENTITY CODE ASSIGNED / CODE TYPE D'ORGANISME ATTRIBUÉ <table style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td style="border: 1px solid black; padding: 2px 10px;">E</td> </tr> </table>	E						
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8* NCAGE STATUS DESIGNATOR CODE ASSIGNED / CODE POSITION NCAGE ATTRIBUÉ <table style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td style="border: 1px solid black; padding: 2px 10px;">A</td> </tr> </table>	A						
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9 REMARKS / REMARQUES							
		10 SIGNATURE Aleš Železnik NCB SLOVENIA					

PNEMAR Marek Sobczyk

41-310 Dąbrowa Górnicza

ul. Legionów Polskich 125/5

NIP PL629-225-37-44



DEKLARACJA 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.
Obrtniška 30
1420 TRBOVLJE
Slovenia
produced to the order of : BONPET SYSTEMS d.o.o.
Obrtniška 30
1420 TRBOVLJE
Slovenia

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

produkt oznaczony datą 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:

EN 541:1995;EN ISO 90-3:2001;EN 14848 : 2005;EN 14850 : 2005;EN 15008 : 2007;EN 15010 : 2008
Opisany produkt spełnia zasadnicze wymagania:
Described the product meets the essential requirements:

DYREKTYWA KOMISJI 2008/47/WE
z dnia 8 kwietnia 2008 r. zmieniająca, w celu dostosowania do postępu technicznego,
dyrektywę Rady 75/324/EWG w sprawie zbliżenia ustawodawstw państw członkowskich
odnoszących 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 - Podpis

PNEMAR Marek Sobczyk
41-310 Dąbrowa Górnicza
ul. Legionów Polskich 125/5
01-42-530 Dąbrowa Górnicza, ul. Rudna 40
tel. 32-269-94-21 NIP PL 6292253744

**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!**



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