

TEST REPORT

2013 11 3D 0615 / M

OBJECT	250 ml Spray Extinguisher
MANUFACTURER	Minibombero, S.L.
TYPE	BoldFoam F-40
IDENTIFICATION	n/i
REQUESTED BY	Minibombero S.L. Polígono Naón, nave 10. 33429 Viella (Asturias)
TESTED BY	L.C.O.E. – High Voltage Department Eric Kandel Street, 1 – 28906 Getafe (Madrid)
DATE OF TESTS	17 th December 2012
DATE OF ISSUE	22 nd December 2012
RESULT	Tests Passed

This report consists of 5 pages.

Authorized Signatory/s

Tests done by:

Mr. Tomás García Aguado
Technical Responsible of HV Tests

Mr. Miguel Corriols Delgado
Technician of High Voltage Department

CONDITIONS OF VALIDITY OF THIS DOCUMENT:

- The results of the tests refer exclusively to the sample which was tested.
- The above-mentioned sample is the one described in the Report and is the sample which was originally received, with any modifications which may have been produced during the tests, in order that these could be correctly performed. These modifications are documented in the LCOE files, and are available for inspection by any person or organization authorized to do so.
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THIS DOCUMENT IS CANCELS AND REPLACES TEST REPORT NUMBER 2013 11 3D 0615 BY MODIFICATION OF IDENTIFICATION OF TEST OBJECT IN THE FIRST PAGE OF THE REPORT

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1 Identification of test object

1.1 Rated characteristics of test object:

Manufacturer:	Minibombero S.L.
Type:	250 ml Spray
Identification:	n/i
Extinguishing media:	BoldFoam F40
Propellant:	R 134 A
Degree of filling:	250 ml
Test voltage:	35 kV

1.2 Picture of test object:



NO TEXT BELOW THIS LINE

2 General Information

2.1 Tests performed by:

Name	Company
Mr. Miguel Corriols Delgado	LCOE (High Voltage Department)
Mr. Javier Sánchez Rico	LCOE (High Voltage Department)

2.2 Measurement uncertainty:

The uncertainty of the test has been calculated and is at the disposal of the applicant.

2.3 Standards applied:

Tests have been performed according to:

UNE-EN 3-7:2008 "*Portable fire extinguisher. Part 7: Characteristics, performance requirements and test methods*". Spanish official version of European Standard EN 3.7:2004+A1:2007.

2.4 Additional information:

In this report, the power frequency withstand voltage values are expressed in peak value divided by root of 2 and the current values are expressed in RMS value.

The voltage values of withstand voltage dielectric tests are referred to local environmental conditions.

2.5 Ambient conditions during the tests:

Temperature:	17.5 °C
Relative Humidity:	59 %
Atmospheric pressure:	949 hPa

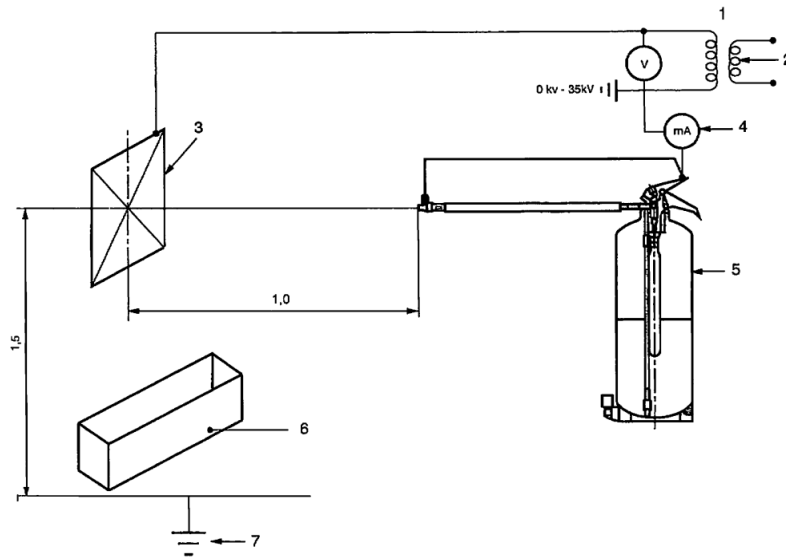
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3 Performed Tests

3.1 Dielectric Tests.

- Procedure

The test was performed according to clause 9 of UNE-EN 3-7:2008 Standard. The fire extinguisher was fixed on an electrical insulator with the jet nozzle at one meter distance from a metallic square plate (1 m side) and pointing to center. See the mounting scheme in figure C.1 of UNE-EN 3-7:2008 Standard.



Test voltage was applied to the metallic plate and then the fire extinguisher was fully discharged. Leakage current to ground of all metallic parts of the fire extinguisher was measured during the test.

- Test Results

Test object	250 ml Spray Extinguisher
Test Voltage	35 kV
Test Frequency	50 Hz
Maximum leakage current	0.071 mA

The maximum leakage current measured during the test was lower than the maximum leakage current specified in clause 9 of UNE-EN 3-7:2008 Standard, which is equal to 0.5 mA.

- Conclusion

Test passed.