



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 3070	1-Dec-2016	Number 8	Issue date 12-Mar-2024	30-Apr-2025

Page 1 of 4

Product designation

DSPA, 11-# Series, aerosol generating fire extinguishing system units

(Refer to the Schedule/enclosures for further specified details)

Agent/distributor

Electropar New Zealand
35 Lady Ruby Drive, East Tamaki, MANUKAU, AUCKLAND, NEW ZEALAND, 2013

Registrant

DSPA.nl
Hulzenseweg 10-20, NIJMEGEN, NETHERLANDS, 6534 AN

Producer

DSPA.nl
Hulzenseweg 10-20, NIJMEGEN, NETHERLANDS, 6534 AN

Conformance criteria and evaluation

The DSPA, 11-# Series, aerosol generating fire extinguishing system units has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian Standard AS 4487-2013, 'Condensed aerosol fire extinguishing systems— Requirements for system design, installation and commissioning and test methods for components'.
2. BRL-K23001, 'Evaluation Guideline for aerosol fire extinguishing'.
3. CEN/TR 15276-1:2009, 'Fixed firefighting systems - Condensed aerosol extinguishing systems - Part 1: Requirements and test methods for components'.
4. International Standard ISO 15779:2011, 'Condensed aerosol fire extinguishing systems - Requirements and test methods for components and system design, installation and maintenance - General requirements'.

Limitations/conditions of conformance

Limitations/conditions of conformance, where identified on this certificate, are derived from qualifications from evaluation(s) for conformity and/or other related technical documentation. All details with respect to design, assembly and installation instructions and restrictions should be checked against the producer's current technical manual/data sheets and the requirements of the Authority having Jurisdiction.

(Limitations/conditions of conformance continue)

Issued by

Kaj Loh
Executive Officer – ActivFire Scheme



This certification is issued within the scope of CSIRO Verification Services – Rules governing ActivFire Scheme and is valid only for the product(s) as submitted for evaluation and verification of conformity, subject to the following conditions.

- Reference to details, limitations and requirements, where documented as a schedule/enclosure with this certificate.
- The Registrant is responsible for their attestation of conformity and ensuring that on-going production complies with the conformance criteria defined in this certificate.
- This certificate will not be valid if any changes or modifications are made to the product which have not been notified and validated by CSIRO Verification Services.
- This certificate is subject to periodical re-validation upon verification that all requirements, as determined by the conformity assessment body, continue to be satisfactorily met by the Registrant.
- This certificate may only be reproduced in its published form, without modification and inclusive of all schedules/enclosures.
- Any changes, errors or omissions, must be submitted in writing and if necessary or requested, substantiated with relevant evidence.
- Any representations, such as advertising or other marketing related activities or articles shall reflect the correct contents of this certificate and conform with all relevant trade practices and consumer protection legislation and regulations.
- Any terms or conditions of use as applicable to content and documentation as published or accessed through web sites administered by the CSIRO Verification Services.

Schedule to Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 3070	1-Dec-2016	Number 8	Issue date 12-Mar-2024	30-Apr-2025

Page 2 of 4

Specified limitations/conditions, determined from the evaluation for conformity, include the following.

- i. The numbers and types of the extinguishing components have to be determined in conformity with the guidelines and calculation methods of the Producer.
 - Before usage an instruction is to be given by a trainer or instructor for this product authorized by the Producer.
 - The installation and maintenance of the fire extinguishing components have to take place according to the specifications of the Producer and the relevant design and installation standards and product standards.
- ii. The condensed aerosol extinguishing components should not be used on fires involving the following unless relevant testing by accredited testing laboratories has been carried out to the satisfaction of the Authority:
 - Deep seated fires in Class A materials
 - Chemicals containing their own supply of oxygen, such as cellulose nitrate;
 - Mixtures containing oxidizing materials, such as sodium chlorate or sodium nitrate;
 - Chemicals capable of undergoing auto thermal decomposition, such as some organic peroxides;
 - Reactive metals (such as sodium, potassium, magnesium, titanium and zirconium), reactive hydrides, or metal amides, some of which may react violently with some aerosol extinguishants;
 - Condensed aerosol generators shall not be used to protect classified hazards or similar spaces containing flammable liquids or dusts that can be present in explosive air-fuel mixtures unless the generators are specifically listed for use in those environments.
 - Temperatures for use of aerosol extinguishing agents shall be within the producer's listed limits.
 - Unless specifically approved as an agent blend or mixture, systems employing the simultaneous discharge of different agents to protect the same enclosed space shall not be permitted.
 - Where unrelated extinguishing or suppression systems, such as a sprinkler system or a gaseous fire-extinguishing system are provided and can operate prior to or during the hold time of the aerosol system, the other agent shall not adversely affect the aerosol

Producer's description

DSPA, 11-# Series, aerosol generating fire extinguishing system units are devices which, when assembled into a system, are designed to generate and discharge fine potassium carbonate particles and inert gases for the extinguishment of fires. Each system consists of one or more aerosol generators, actuating assemblies for automatic or manual operation, and miscellaneous subsidiary devices.

The generators are suitable for use over a temperature range of -40°C to +75°C or as otherwise specified.

The total flooding use of DSPA generators is primarily for protection against hazards that are within an enclosure that will permit to establish and maintain the appropriate design factor of condensed aerosol for the required period of time to assure an effective extinguishment.

They are intended for normally unoccupied and unoccupied applications. The aerosol generated may create a potential hazard for personnel and equipment in the protected area. In generating aerosol, high temperature products of the extinguishing media are discharged and this characteristic should be evaluated before the generators are installed.

Technical specification

The following details are a representative extract of the technical specification for the DSPA, 11-# Series, aerosol generating fire extinguishing system units and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

Schedule of variant designations

The following is a schedule of validated variant designations of the certified/listed equipment.

Model num.	Part num.	Description
DSPA 11-1	DSPA-ART00011	Volume coverage 0.9 to 2.5 m ³ Discharge time, 6 to 10 seconds Electrical activator Efficiency 100% Operating conditions, -40°C to +75°C
DSPA 11-2	DSPA-ART00012	Volume coverage 1.3 to 3.9 m ³ Discharge time, 9 to 15 seconds Electrical activator Efficiency 88% to 100% Operating conditions, -40°C to +75°C
DSPA 11-3	DSPA-ART00013	Volume coverage 2.4 to 6.9 m ³ Discharge time, 14 to 26 seconds Electrical activator Efficiency 90% to 100% Operating conditions, -40°C to +75°C

Schedule to Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 3070	1-Dec-2016	Number 8	Issue date 12-Mar-2024	30-Apr-2025

Model num.	Part num.	Description
DSPA 11-4	DSPA-ART00014	Volume coverage 7 to 21 m ³ Discharge time, 19 to 31 seconds Electrical activator Efficiency 100% Operating conditions, -40°C to +75°C
DSPA 11-5	DSPA-ART00015	Volume coverage 11 to 32 m ³ Discharge time, 40 to 60 seconds Electrical activator Efficiency 94% to 100% Operating conditions, -40°C to +75°C
DSPA 11-6	DSPA-ART00016	Volume coverage 19 to 55 m ³ Discharge time, 30 to 50 seconds Electrical activator Efficiency 100% Operating conditions, -40°C to +75°C
DSPA 11-7	DSPA-ART100017	Volume coverage 4 to 11 m ³ Discharge time, 30 to 50 seconds Electrical activator Efficiency 100% Operating conditions, -40°C to +75°C

Schedule of properties/characteristics

The following schedule is an extract of physical and operational properties/characteristics of the certified/listed equipment.

	11-1	11-2	11-3
Part Number	DSPA-ART00011	DSPA-ART00012	DSPA-ART00013
Dimensions	122 x 22 mm	124 x 34 mm	133 x 54 mm
Total weight	550 g	800 g	1300 g
Compound weight	110 g	170 g	300 g
Volume coverage	0.9 - 2.5 m ³	1.3 - 3.9 m ³	2.4 - 6.9 m ³
Discharge time	8 sec	12 sec	20 sec
Operation conditions	-40°C to 75°C/ Up to 95% RH at 54°C		
Colour	Standard RAL 3000, other colours upon request		

	11-4	11-5
Part Number	DSPA-ART00014	DSPA-ART00015
Dimensions	165 x 72 mm	217 x 99 mm
Total weight	2000 g	4000 g
Compound weight	900 g	1400 g
Volume coverage	7 - 21 m ³	11 - 32 m ³
Discharge time	25 sec	50 sec
Operation conditions	-40°C to 75°C/ Up to 95% RH at 54°C	
Colour	Standard RAL 3000, other colours upon request	

	11-6	11-7
Part Number	DSPA-ART00016	DSPA-ART00017
Dimensions	217 x 99 mm	165 x 72 mm
Total weight	4500 g	2100 g
Compound weight	2400 g	520 g
Volume coverage	19 - 55 m ³	
Discharge time	40 sec	30-50 sec
Operation conditions	-40°C to 75°C/ Up to 95% RH at 54°C	
Colour	Standard RAL 3000, other colours upon request	

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afp - 3070	1-Dec-2016	Number 8	Issue date 12-Mar-2024	30-Apr-2025

Supplementary information

Schedule of relevant articles

The following schedule is an extract of articles significant and/or related as evidence of conformity.

Reference		Title / description	Date issued (or date validated)	Source
Ident. type	Ident.			
Declaration Number	K86655/04	Declaration of Conformity, based on the test requirements of ISO15779, regarding DSPA Non-Pressurized Condensed Aerosol Generators and Components	9-Jul-2016	Kiwa Nederland B.V.
Product Certificate	K86591/05 UK	DSPA Non-Pressurized Condensed Aerosol Generators and Components Statement by Kiwa, Complying with Kiwa evaluation guideline BRL-K23001/04	10-Jul-2016	
Certificate Number	KM 63907	bsi Certificate Issued to DSPA BV In respect of BRL-K23001/04 Aerosol Generating Fire Extinguishing Systems DSPA 11-1, DSPA 11-2, DSPA 11-3, DSPA 11-4, DSPA 11-5, DSPA 11-6, DSPA 11-7, DSPA 8-1, DSPA 8-1-60	30-Aug-2016	BSI Assurance UK Limited, UK
Extracts	bsi_w3_dpsa_11.1_2016-12-01.pdf bsi_w3_dpsa_2016-12-01.pdf	bsi Product Directory Non-Pressurized Condensed Aerosol Generators. DSPA 11-1, DSPA 11-2, DSPA 11-3, DSPA 11-4, DSPA 11-5, DSPA 11-6, DSPA 11-7, DSPA 8-1, DSPA 8-1-60	1-Dec-2016	
Datasheet	11-1, 11-2, 11-3 v1.2	DSPA AEROSOL GENERATORS, 11-1, 11-2, 11-3	15-Oct-2012	DSPA.nl, NL
	11-4 v1.2	DSPA AEROSOL GENERATORS, 11-4	15-Oct-2012	
	11-5, 11-6 v1.2	DSPA AEROSOL GENERATORS, 11-5. 11-6	15-Oct-2012	
	11-7 v1.1	DSPA AEROSOL GENERATORS, 11-7	9-Jul-2015	
Manual	Revision No. 6.3/2013	Design, Installation and Maintenance Instruction Manual for DSPA Fixed Extinguishing Systems	3-Jul-2013	