CSIRO Verification Services
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Certificate of Conformity

Certificate num.	Registration date	Version Number	Version Issue date	Valid until	
afp - 2399	10-Feb-2010	20	16-Apr-2026	30-Apr-2027	Page **1** of **4**

Product designation

Flamestop, FSW/FSZ Series, powder type portable fire extinguishers

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

Agent/distributor

FlameStop Australia Pty. Ltd.
13 Chaplin Drive, LANE COVE WEST, NSW, AUSTRALIA, 2066

Registrant

FlameStop Australia Pty. Ltd.
13 Chaplin Drive, LANE COVE WEST, NSW, AUSTRALIA, 2066

Producer

FlameStop Australia Pty. Ltd.
13 Chaplin Drive, LANE COVE WEST, NSW, AUSTRALIA, 2066

Conformance criteria and evaluation

The Flamestop, FSW/FSZ Series, powder type portable fire extinguishers have been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian/New Zealand Standard AS/NZS 1841.5:2007, 'Portable fire extinguishers - Specific requirements for powder type extinguishers'.

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.

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

i. Powder type fire extinguishers are suitable for use on Classes A, B and E fires.

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.

Issued by

Kai Loh
Executive Officer – ActivFire Scheme

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This certificate remains the property of CSIRO and may be subject to amendment, suspension or withdrawal at any time.
The validity and authenticity of this certificate can be verified by the certification register located at https://activfire.csiro.au

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Producer's description

Suitable for all paper, textiles, wood, plastics, rubber, petrol, oil, paints, LPG, CNG, Acetylene and electrically charged equipment, ABE powder type extinguishers have a wide application. Consideration must be made in relation to the location and usage of this product as the fine powder which is discharged may cause specific concerns or damage.

Technical specification

The following details are a representative extract of the technical specification for the Flamestop, FSW/FSZ Series, powder type portable fire extinguishers 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.

Trade brand	Model num.	Agent capacity	Agent type	Reference num.	Fire rating
Flamestop	FSW100	1.0 kg	ABE Dry Chemical Powder	20621-DA-6301	2A:30B:E
	FSZ150	1.5 kg		20621-DA-6319	2A:20B:E
	FSZ200	2.0 kg		20621-DA-6305	3A:30B:E
	FSZ250	2.5 kg		20621-DA-6309	3A:40B:E
	FSZ250GO	2.5 kg		20621-DA-6324	3A:40B:E
	FSZ450	4.5 kg		20621-DA-6311	4A:60B:E
	FSZ450H	4.5 kg		20621-DA-6322	4A:80B:E
	FSZ450GO	4.5 kg		20621-DA-6325	4A:60B:E
	FSZ600	6.0 kg		20621-DA-6313	4A:80B:E
	FSZ900	9.0 kg		20621-DA-6315	6A:80B:E
	FSZ900H	9.0 kg		20621-DA-6323	6A:80B:E
	FSZ150	1.5kg		20621-BB-6319 20621-DA-6319 20621-DB-6319 20621-DC-6319 20621-DD-6319 20621-DE-6319	2A:30B:E
	FSZ01FK	1.0kg		20621-DC-6329 20621-BB-6329	2A:20B:E
	FSZ100N	1.0kg		20621-BB-6331 20621-DA-6331	2A:20B:E
	FSZ100H	1.0kg		20621-BB-6332 20621-DA-6332	2A:20B:E
	FSZ2520GO-SS	2.5kg		20621-BB-6341 20621-DA-6341	4A:40B:E
	FSZ2520GO	2.5kg		20621-BB-6334 20621-DA-6334	4A:40B:E
	FSZ4520GO	4.5kg		20621-BB-6324 20621-DA-6324 20621-DA-6334	6A:80B:C:E
	FSZ4520HP	4.5kg		20621-BB-6345 20621-DA-6345	10A:80B:C:E
	FSZ4520HP-SS	4.5kg		20621-BB-6342 20621-DA-6342	10A:80B:C:E
	FSZ920GO	9.0kg		20621-BB-6336 20621-DA-6336	10A:80B:C:E
	FSZ920HP	9.0kg		20621-BB-6337 20621-DA-6337	10A:80B:C:E
	FSZ920HP-SS	9.0kg		20621-BB-6343 20621-DA-6343	10A:80B:C:E
	FSZ2320GO	2.3kg		20621-BB-6339 20621-DA-6339	4A:40B:C:E
	FSZ220GO	2kg		20621-BB-6333	3A:30B:E

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Schedule of properties/characteristics

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

Model num.:	FSW100	FSZ150	FSZ200	FSZ250	FSZ250GO	FSZ450	FSZ450H	FSZ450GO	FSZ600	FSZ900	FSZ900H
Part num.:	G1ABESVB	G1.5ABESVB	G2.0ABEVB	G2.5ABEW G2.5ABEVB	G2.5ABEVB	G4.5ABE	G4.5ABEHP	G4.5ABE	G6.0ABE	G9ABE	G9ABEHP
Agent type:	ABE dry chemical powder										
Total mass:	1.5 kg	3.2 kg	3.8 kg	4.5 kg	4.3 kg	7.9 kg	7.9 kg	7.2 kg	9.7 kg	13.9 kg	14.2 kg
Discharge time:	8 secs	9 secs	11.3 secs	14.3 secs	14.3 secs	19 secs	2 secs	19 secs	21 secs	22 secs	22 secs
Pressure:	1350 kPa	1400 kPa									
Periodic test pressure:	2.5 MPa										
Dimensions											
Height:	185 mm	370 mm	395 mm	430 mm	430 mm	450 mm	530 mm	530 mm	550mm	615 mm	615 mm
Width:	85 mm	100 mm	110 mm	110mm	110 mm	150mm	145 mm	145 mm	160mm	183 mm	183 mm
Construction											
Cylinder:	Steel										
Valve:	Brass										
Finish											
Cylinder:	Powder coated red										
Valve:	Nickel plated brass										
Handles:	Stainless steel										
Reference technical data sheet	FlameStop ABE 1.0kg Extinguisher, 26-Nov-2009	FlameStop ABE 1.5kg Extinguisher, 26-Nov-2009	FlameStop ABE 2.0kg Extinguisher, 26-Nov-2009	FlameStop ABE 2.5kg Extinguisher, 26-Nov-2009	FlameStop ABE 2.5kg Extinguisher, 5-Oct-2016	FlameStop ABE 4.5kg Extinguisher, 26-Nov-2009	FlameStop 4.5kg HP ABE powder type fire extinguisher, 8-Jul-2013	FlameStop 4.5kg HP ABE powder type fire extinguisher, 8-Jul-2013	FlameStop ABE 6.0kg Extinguisher, 26-Nov-2009	FlameStop 9kg ABE powder type - fire extinguisher, 8-Jul-2013	FlameStop 9kg HP ABE powder type - fire extinguisher, 8-Jul-2013

Model num.:	FSZ01FK	FSZ100N	FSZ100H	FSZ2520GO-SS	FSZ2520GO	FSZ4520GO	FSZ450H	FSZ4520HP	FSZ4520HP-SS	FSZ920GO
Part num.:	G1ABE-FF2	G1ABESVB	G1HABE	G2.5ABEVBSS	G2.5ABEVB	G4.5ABE	G4.5ABEHP	G4.5ABEHP	G4.5ABEHPSS	G9ABE
Agent type:	ABE dry chemical powder									
Total mass:	1.8 kg	1.98 kg	2.08 kg	4.3 kg	4.3 kg	7.3 kg	-	7.9 kg	4.5 kg	13.8 kg
Discharge time:	8 secs	8 secs	8 secs	14.3 secs	14.3 secs	22 secs	-	22 secs	22 secs	22 secs
Pressure:	1000 kPa	1000 kPa	1000 kPa	1400 kPa	1400 kPa	1400 kPa	-	1400 kPa	1400 kPa	1400 kPa
Periodic test pressure:	2.5 MPa									
Dimensions										
Height:	265 mm	351 mm	351 mm	365 mm	383 mm	480 mm	-	500 mm	525 mm	555 mm
Width:	90 mm	85 mm	85 mm	130mm	130 mm	145 mm	-	145 mm	145 mm	181 mm
Construction										
Cylinder:	Steel									
Valve:	Brass									
Finish										
Cylinder:	Powder coated red									
Valve:	Nickel plated brass									
Handles:	Stainless steel									
Reference technical data sheet	FlameStop, G1ABE-FF2, Nov-2020	FlameStop, G1ABESVB, Nov-2020	FlameStop, G1HABE, Nov-2020	FlameStop, G2.5ABEVBSS, Nov-2020	FlameStop, G2.5ABEVB, Nov-2020	FlameStop, G4.5ABE, Nov-2020	-	FlameStop, G4.5ABEHP, Nov-2020	FlameStop, G4.5ABEHPSS, Nov-2020	FlameStop G9ABE, Nov-2020

Model num.:	FSZ920HP	FSZ920HP-SS	FSZ2320GO
Part num.:	G9ABEHP	G9ABEHPSS	G2.3ABE
Agent type:	ABE dry chemical powder		
Total mass:	9.0 kg	12.5 kg	2.3 kg
Discharge time:	22 secs	22 secs	13 secs
Pressure:	1400 kPa	1400 kPa	1400 kPa
Periodic test pressure:	2.5 MPa		
Dimensions			
Height:	555 mm	555 mm	460 mm
Width:	180 mm	180 mm	105 mm
Construction			
Cylinder:	Steel		
Valve:	Brass		
Finish			
Cylinder:	Powder coated red		
Valve:	Nickel plated brass		
Handles:	Stainless steel		
Reference technical data sheet	FlameStop G9ABEHP, Nov-2020	FlameStop, G9ABEHPSS, Nov-2020	FlameStop, G2.3ABE, Nov-2020

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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.**			
Certificate No.	SMKH20621	StandardsMark Licence Manufactured to AS/NZS 1841.5:2007, ''Portable fire extinguishers - Specific requirements for powder type extinguishers'	15-Sep- 2020	SAI Global, AU