CSIRO Verification Services
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Certificate of Conformity

Certificate num.	Registration date	Version Number	Version Issue date	Valid until
afp - 4024	1-May-2026	1	4-May-2026	30-Apr-2027

Product designation

Aspiris, Cobalt Series, aspirating smoke detectors

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

Agent/distributor

Ampac Pty Limited
7 Ledgar Road, BALCATTA, WA, AUSTRALIA, 6021

Registrant

Ampac Pty Limited
7 Ledgar Road, BALCATTA, WA, AUSTRALIA, 6021

Producer

AVA Prevent Co., Ltd.
Rm.4, 2F, No. 700, Zhongzheng Rd, ZHONGHE DISTRICT, T'ai-pei city, TAIWAN, 235603

Conformance criteria and evaluation

The Aspiris, Cobalt Series, aspirating smoke detectors has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian Standard AS 7240.20-2012, 'Fire detection and alarm systems - Part 20: Aspirating smoke detectors'.

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. The products are installed and maintained as recommended by the manufacturer.

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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The validity and authenticity of this certificate can be verified by the certification register located at https://activfire.csiro.au

Schedule to
Certificate of Conformity

Certificate num.	Registration date	Version		Valid until	Page **2** of **3**
		Number	Issue date		
afp - 4024	1-May-2026	1	4-May-2026	30-Apr-2027	

Producer's description

The Aspiris, Cobalt series, aspirating smoke detectors are designed specifically for early smoke detection in small to medium-sized areas. The Aspiris, CobalT series, aspirating smoke detectors work by drawing air samples through a network of pipes to detect fire conditions at the earliest stages. The Aspiris, Cobalt series, aspirating smoke detectors include two models: Cobalt HM1, and HM2.

Equipped with HSSD (High Sensitive Smoke Detection) chamber, these devices are available in both single-channel and dual-channel models. Each channel features a pipe inlet, a front display, a HSSD chamber, an aspirator and flow sensor. They integrate a range of sensors such as smoke, temperature and humidity offering advanced detection capabilities for various applications.

Technical specification

The following details are a representative extract of the technical specification for the Aspiris, Cobalt Series, aspirating smoke detectors 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.

Variant		
Type	**Ident.**	**Description**
Part num.	Cobalt HM1	Single zone, Class A/B/C aspirating smoke detector
	Cobalt HM2	Dual zone, Class A/B/C aspirating smoke detector

Schedule of properties/characteristics

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

	Cobalt HM1	**Cobalt HM2**
Smoke detection light source	High power blue LED	
Number of high sensitive smoke chamber	1	2
Smoke detection range	0.02 – 25%/m	
Alarm sensitivity	0.1 – 20%/m mm	
Sampling pipe	Material: ABS/CPVC, OD: 25 mm	
Maximum capillary tube/pipe length	30 m	
Pipe length (linear/branch)	105/260 m	2 x 105 m, 2 x 260 m
Maximum no. of sampling holes (Class A/B/C)	8/16/32	16/32/64
Number of air flow sensors	1	2
Aspirator quantity	1	2
Voltage	18 – 30 Vdc	
Current @ 24 V	145 mA – 185 mA	290 mA – 370 mA
Dimension	321.7 mm (H) x 97.4 mm (W) x 154 (L) mm	
Weight	2.2 kg	2.3 kg
IP rating	IP51	
Operating conditions	Ambient temperature: 0 – 40 °C Sampling air temperature: -20 – 60 °C Humidity: 10 – 95% RH non-condensing	

Schedule to

Certificate of Conformity

Certificate num.	Registration date	Version		Valid until	Page **3** of **3**
		Number	Issue date		
afp - 4024	1-May-2026	1	4-May-2026	30-Apr-2027	

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.**			
Report	CSBA0265/NR1A	Evaluation of Conformity of the Aspiris, Azure, Cobalt and Indigo Series Aspirating Smoke Detectors (ASDs) to the requirements of AS 7240.20-2012	04-May-2026	CSIRO, Fire Systems Laboratory, AU
	CSBA0265/VR1A	Verification of Conformity of the Aspiris, Azure, Cobalt and Indigo Series Aspirating Smoke Detectors (ASDs) to the requirements of AS 7240.20-2012		
Document	MAN3215-3 Ampac Aspiris Cobalt User Guide.pdf	Ampac Aspiris Cobalt HM Series User Guide MAN 3215 (MAN3215-3 Ampac Aspiris Cobalt User Guide.pdf)	29-Apr-2026	Ampac Pty Limited, AU