

8 May 2025

Ateliers Dominique Imbert
Impasse Claque Patin
34380 Viols Le Fort
FRANCE

Dear Sir/Madam,

RE: Filiofocus 2000 Central fireplace testing exemption

Australian Solid Fuel Testing have tested the Filiofocus 2000 Central fireplace to Section 1.2.3(f) of AS/NZS4012,4013:2014 – Excluded appliances, appliances that, when fired at the high burn rate (clause 6.3(a) of AS/NZS4012:2014), have a maximum carbon dioxide output from the combustion chamber of less than 5% by volume.

The Filiofocus 2000 Central fireplace produced a maximum carbon dioxide output of 2.3% by volume when fired.

Exemption from testing the Filiofocus 2000 Central fireplace should be claimed under Clause 1.2.3(f) of AS/NZS4012 and 4013:2014.

Warm regards,



Steve Marland
Managing Director
Australian Solid Fuel Testing



3 Garden Street, Morwell Vic 3840
ABN: 46 610 154 768

PREPARED FOR

ATELIERS DOMINIQUE IMBERT



**THERMAL CLEARANCE TESTING OF THE FILIOFOCUS 2000
CENTRAL SUSPENDED FIREPLACE**

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By:
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Revision Details

Revision	Date	Comments
0	8/05/2025	Preliminary report – awaiting payment and engineering drawings of appliance

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THERMAL CLEARANCE TESTING OF THE FILIOFOCUS 2000 CENTRAL SUSPENDED FIREPLACE

Report

The Filiofocus 2000 Central Suspended fireplace/Flue combination was tested in one position in a manner conforming to joint Australian/New Zealand Standard 2918:2018, Appendix B.

A minimum 1305mm deep x 1305mm wide x 150mm thick floor protector (Skamol board) should be used under and in front of the appliance base when installing the appliance (see joint AS/NZS 2918:2018 3.3.2). The floor protector should extend 300mm in front of the fuel loading doors and be placed centrally in the 1305mm width. The Thermal resistivity of the floor protector is 0.36m².K/W for 50mm thick Skamol board.

The Filiofocus 2000 Central Suspended fireplace/Flue combination conforms to the requirements of the joint AS/NZS 2918:2018 Standard, Appendix B.

The appliance and flue system were tested at the following clearances:

Position A – Parallel position

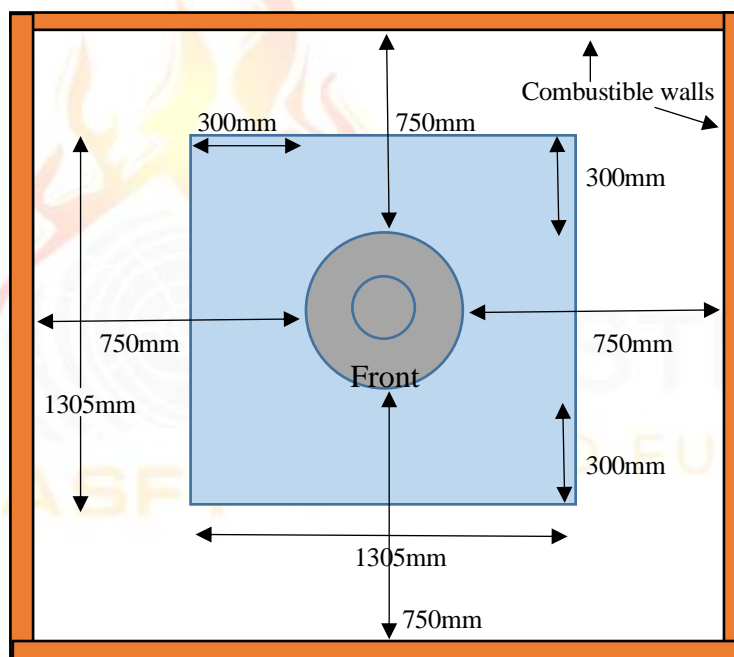




Figure 1 – Clearance Diagram

			
Signed		Approved	
Name	Garry W. Mooney	Name	Steve Marland
Title	Technical Officer	Title	Managing Director – Australian Solid Fuel Testing
Date	8/05/2025	Date	8/05/2025

1. INTRODUCTION

Thermal Clearance testing of the Appliance and flue system took place on 6 May 2025 at the Australian Solid Fuel Testing Laboratory located at 3 Garden Street, Morwell, Victoria. The testing was performed by Mr G.W. Mooney and Mr S. Marland.

2. PROCEDURE

Testing was conducted as per Appendix B of AS/NZS2918;2018, Hot sites were located with the aid of an infra-red thermometer. Thermocouple tips were stapled onto the test surfaces, with black tape over the first 100 mm to facilitate consistent and accurate recording of temperatures. Thermocouple positions are shown in the table below:

Position A – Parallel Position

Thermocouple No.	Position	Thermocouple No.	Position
1	Floor - 1300mm in front of centre	16	Floor – 150mm RHS of centre
2	Floor – 1200mm in front of centre	17	Floor – 300mm RHS of centre
3	Floor - 1050mm in front of centre	18	Floor – 450mm RHS of centre
4	Floor – 900mm in front of centre	19	Ceiling Ring – Inner front
5	Floor – 750mm in front of centre	20	Ceiling Ring – 25mm in front
6	Floor – 600mm in front of centre	21	Ceiling Ring – Inner side
7	Floor – 450mm in front of centre	22	Ceiling Ring – 25mm to side
8	Floor – 300mm in front of centre	23	Rear wall – 768mm from corner, 1348mm above the floor
9	Floor – 150mm in front of centre	24	Rear wall – 912mm from corner, 849mm above the floor
10	Floor – Centre of flue	25	Rear wall – 1099mm from corner, 832mm above the floor
11	Floor – 150mm behind centre	26	RHS wall, 971mm from corner, 972mm above the floor
12	Floor – 300mm behind centre	27	RHS wall, 533mm from corner, 961mm above the floor
13	Floor – 450mm LHS of centre	28	RHS wall, 1037mm from corner, 699mm above the floor
14	Floor – 300mm LHS of centre	29	Rear wall – 1081mm from corner, 594mm above the floor
15	Floor – 150mm LHS of centre	30	Ambient temperature

TABLE 1

3. TEST FUEL

Testing was conducted with Pinus Radiata as the test fuel which had a moisture content of 13.35% moisture. Each firewood piece was 300mm x 90mm x 40mm.

4. FLUE SYSTEM

The flue system used during testing was a Appliance-Flue combination supplied by Ateliers Dominique Imbert. There must be a minimum 50mm clearance in all directions around the flue at ceiling penetration. This flue system has not been tested to joint AS/NZS 2918:2018, Appendix F. The flue height was 4.6 ± 0.1 m from the floor protector. Appendix 1 shows details of the flue system.

5. RESULTS

5.1 High Fire Test

The appliance was fired in accordance with Section B9.1 of AS/NZS2918;2018. The level of fuel was maintained between 50-75% of the full volume level of the fuel chamber during the High Fire test.

The average fuel load for initiating the High Fire tests was 10.0kg with an average refuelling rate of 1.7kg/10 minutes.

5.2 Flash Fire Test

Immediately after the High Fire test was completed, sufficient embers were removed to bring the fire bed to a level of 15-25% of the fuel chamber volume. The appliance was then fired in accordance with Section B9.2 of AS/NZS2918;2018.

The average fuel load for initiating the Flash Fire tests was 7.6kg.

5.3 Ambient and Test Surface Temperatures

The Tables below show the Ambient temperatures and test surfaces temperatures during testing of the appliance and flue combination:

Ambient Temperature Range °C

Position	High Fire	Flash Fire
A	16.8 – 27.1	23.2 – 29.0

Maximum Surface Temperature Rise above Ambient - Position A

Position	Thermocouple Number	High Fire Test (°C)	Thermocouple Number	Flash Fire Test (°C)
Floor	10	63.9	9	82.1
Ceiling	19	40.2	19	30.1
Rear Wall	29	61.5	29	56.8
Side Wall	26	51.1	28	49.1

5.4 Uncertainty of Measurement Statement

5.5.1 The uncertainty of distance measurement for determining clearance distances was not greater than $\pm 3\text{mm}$.

5.5.2 The uncertainty of temperature measurement during the entire test period was a maximum of $\pm 2^\circ\text{C}$ at a 95% confidence level.

6. APPLIANCE CONSTRUCTION DETAILS

The test results reported directly relate to the appliance/flue system tested. The details of the appliance given in this section include features which may affect safety clearances. Any change in the design/construction of this appliance or flue may invalidate this report. Below are the constructions details of the appliance:

Appliance Model Name: Filiofocus 2000 Central Suspended fireplace		Serial No: N/A
Manufacturer: Ateliers Dominique Imbert		
Overall Height: 2665mm	Overall Diameter: 1160mm	
Usable Firebox Height: 500mm	Diameter: 624mm	Radius: 312mm
Usable Firebox Volume: 152.9 Litres		
Firebox Material Type/Seam Fully Welded: Fully sealed 3.5mm steel		
Firebrick Type: N/A		
Main Door Opening Height: 530mm	Width: 535mm	
Primary Air Location: Main door opening		
Grate Dimension: N/A		
Baffle Plate size: No baffle		
Damper: Yes		
Flue Dimensions: 265mm ID		
Spigot Dimensions:	OD: 273mm	ID: 265mm
Spigot to Rear of Appliance: Centre of appliance		
Rear Internal to External Heat Shield: N/A		
Firebox to Side External Heat Shield: N/A		
Heat Shield Material Type: N/A		
Water Heater Fitted: No		
Fan Location/Speeds: No fan fitted		
Catalytic Combustor fitted: No		
Grate: No		
NOTE: Accuracy of measurement is ±5% of the measured value		

7. CONCLUSION

The Filiofocus 2000 Central Suspended fireplace/Flue combination conforms to the requirements of Australian/New Zealand Standard 2918:2018, with respect to floor, ceiling, side wall and rear wall surface temperatures, when tested in the test position shown in Figure 1 of this report in accordance with Appendix B of AS/NZS2918:2018.



APPENDIX 1:

Filiofocus 2000 central

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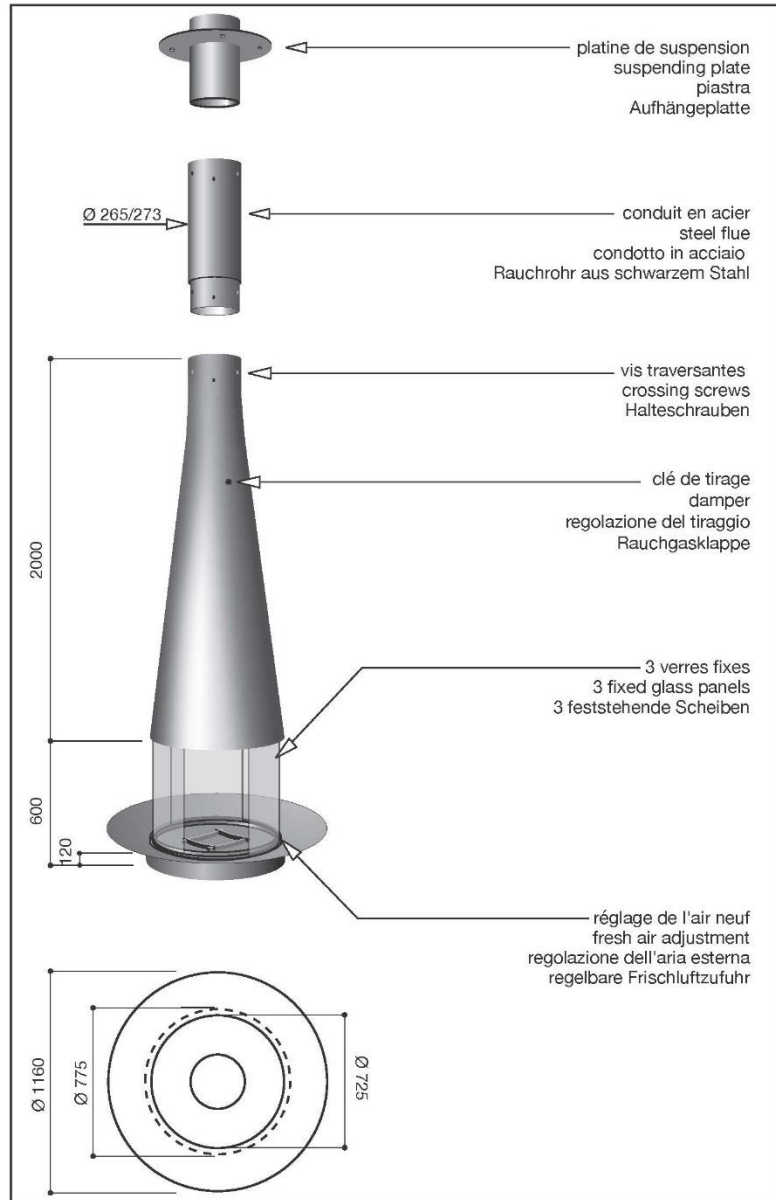
Manuel d'installation

Installation handbook

Manuale d'installazione

Installationshandbuch

Juin 2024, V.2



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