

# Negative Pressure and Carbon Monoxide Spillage Test Report

Client name:			Date:
Street address:			
Suburb:			Postcode:
Appliance make/model:			
Appliance certification number:	Serial number:	Number of fans:	
CO test equipment:	Calibration date:		
Licensed person:	Licence no:		

**Instruction:** place an 'X' in each box as each condition is satisfied.

## Establish baseline conditions

Heater is at room temperature		Exhaust fans turned off	
External doors and windows closed		<b>Smoke test conducted</b>	
Observations:			

## Test for negative pressure

External doors and windows closed		Exhaust fans turned on	
Open or close internal doors to achieve (potential) greatest negative pressure		<b>Smoke test conducted</b>	
Observations:			
Smoke behaves like baseline test = no negative pressure is present			
Smoke is drawn away from heater = <b>negative pressure is present</b>			

**Instruction:** clean the appliance and check it for obvious appliance defects.

Ventilation installed to eliminate negative pressure? ( Y / N )	Select	Size of vent required (if not installed)	
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## Test for carbon monoxide spillage

External doors and windows closed			
Exhaust fans turned on			
Open or close internal doors to achieve (potential) greatest negative pressure			

**Instruction:** measure and record the background CO reading (ppm).

Turn heater on high		Turn heater fan on high	
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## CO detector sampling probe placed at:

Draft diverter relief openings		Heat exchanger joints	
Flue connection		Other	

**Instruction:** continue monitoring for CO spillage and record the readings taken after the appliance has been operating for:

- 5 minutes from cold (gas space heater, indirect gas-fired ducted air-heater or a Type 2 decorative-effect gas heater)
  - » Allow for additional 5 minutes if the appliance is installed in a chimney without a chimney liner
- 10 minutes from cold (Type 1 decorative-effect gas heater)

Measure and record the detector reading (ppm)		Reconfirm background reading (ppm)	
Is the new reading from the appliance higher than the CO background reading? ( Y / N )			

- If yes — proceed to '**Carbon monoxide spillage is detected**'.
- If no — the test is complete.

If negative pressure was present and ventilation was not installed earlier, install ventilation or provide the client with ESV / VBA information letter. Notify VBA via email at [gasheaters@vba.vic.gov.au](mailto:gasheaters@vba.vic.gov.au) or phone 1300 815 127.

## Carbon monoxide spillage is detected

External doors and windows closed		Exhaust fans turned off (eliminate negative pressure)	
Turn heater on high		Turn heater fan on high	

**Instruction:** repeat the '**Test for carbon monoxide spillage**'.

Is CO spillage detected? ( Y / N )	Select
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- If yes — the heater is faulty.
  - Instruction:** rectify or isolate the heater.
- If no — negative pressure is causing CO spillage.
  - Instruction:** install ventilation or isolate the heater.

**Notify ESV if client refuses to have heater isolated.**  
Call our 24/7 emergency line on 1800 652 563 — select option 5.

## Statement of compliance

Heater cleaned and serviced		Negative pressure present but not spilling CO (referred to VBA)	
Heater isolated due to CO spillage		Client refuses to have heater isolated due to CO spillage (referred to ESV)	