

VALIAN†

Fireside Accessories

Heat Powered Stove Fans Advice & Troubleshooting Tips

Instructions

Your Valiant Heat Powered Stove Fan is supplied with a set of user instructions. Please ensure that you follow the advice and installation information included within these instructions as the content specifically applies to the individual fan product. Please retain these instructions for future reference.

This additional advice and troubleshooting tips are designed to assist you with common queries. If you are still experiencing a problem after following these tips, please contact us and we will do our best to help.

Operating Temperatures

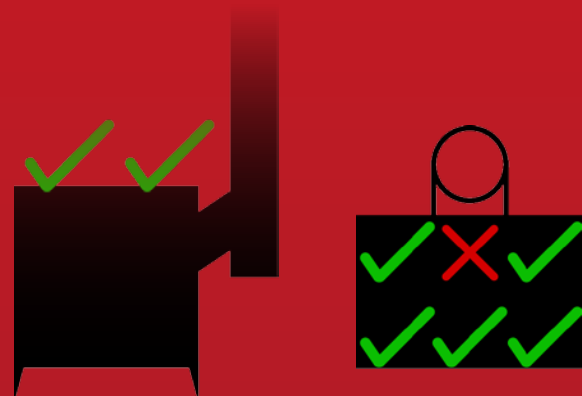
- Your Valiant Heat Powered Stove Fan operates only when there is a 30°C temperature difference between the lower section of the fan (the base if the fan which sits on the stove) and the upper section (the blades which circulate in the free air).
- The temperature difference is converted into a potential difference (voltage) by the white thermo electric generating device (Peltier).
- The greater the temperature difference - the greater the voltage - the faster the spin - up to the optimum temperature.
- The maximum operating temperature is 340°C.

| MODEL | Optimum operating temp. |
|------------|-------------------------|
| PremiAIR 4 | 100-200°C |
| 2 Blade | 150-250°C |
| 4 Blade | 150-250°C |

MAKE SURE THE STOVE FAN IS POSITIONED AS FAR AWAY FROM THE FLUE PIPE AS POSSIBLE - PLACE THE FAN EITHER TO THE SIDE OR FRONT OF THE STOVE



FLUE EXIT FROM TOP OF STOVE



FLUE EXIT FROM REAR OF STOVE

- ✓ = correct position for heat powered stove fan
- ✗ = incorrect position for heat powered stove fan

CAUTION - Before Touching The Fan

The fan can become hot during operation. Before attempting to trouble shoot any problems, ensure that you are prepared to pick up a potentially very hot fan and that it is safe to do so.

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Troubleshooting Tips

“My fan doesn’t start at 50 degrees”

- Firstly the fan starts when the temperature difference between the top and base section of the fan assembly is sufficient. So heating the top section will hamper or delay the starting.
- When the ambient air is cool (10-15 degrees) the start temperature will be around 50 degrees - but if the top section is being warmed slightly (by the flue pipe) the fan start temperature suffers.
- The fan should be placed as far from flue pipe as possible and in some situations it may be better to place the fan on the stove a few minutes after the stove is lit – maybe when the air vents are adjusted down, 5 minutes after lighting.

“My fan used to work, but doesn’t anymore”

- Do the blades/motor spin freely? The fan blades should rotate for 2-3 seconds after a light ‘flick’.
- Has the fan been dropped? This can damage the delicate voltage generator (the Peltier device).
- Are the wires connected to the motor?
- Does the product appear complete and intact?
- Is the hot surface of the stove fully up to temperature? We recommend that you use a stove thermometer to measure the surface temperature of the stove.

“Will a heat powered stove fan work on my convector type twin skin stove top?”

- The perfect fan for this is the PremiAIR4, which is ultra compact and very effective.

“My fan doesn’t operate very fast”

- Make sure the fan is positioned so the top section is as far from a hot surface (Flue pipe) as possible – see diagram on page 1.
- Do the blades/motor spin freely? The fan blades should rotate for 2-3 seconds after a light ‘flick’, if not the motor may be worn/damaged or partially seized.

- Has the fan been dropped? This can damage the motor and/or damage and reduce output of the delicate voltage generator (the Peltier device).

- Move the fan to different place on the stove, left/right, front/back to find the best place – you may notice a difference in the surface temperature.

“My fan starts and occasionally stops”

- Has the fan been dropped? This can damage and affect the output of the delicate voltage generator (the Peltier device).
- Are the wires connected to the motor?

“My fan makes a rattling sound”

- Have the blades been damaged? Is a fan blade catching on the upper or lower extrusion section?
- Has a blade come out of alignment? This can cause in-balance / vibration – carefully check and adjust. Always hold the blades while adjusting the selected blade, so that no strain goes through the motor.
- Is there dirt underneath the fan base? Carefully remove any dust using a dry cloth or brush, so the fan may sit flat and level.
- Has the blade become damaged? Is the fan securely fixed to the central securing spigot?
- Is the blade fitted securely to the motor spindle?
- Is the rattling made worse when the product is turned from side to side when the fan is spinning? This can indicate a worn motor or any of the points above.

“My fan needs a new part”

- Please contact Valiant for service and repairs:
enquiries@valiantfireside.com

“My fan is out of warranty”

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“My fan is in warranty”

- Follow the product’s user instructions and the troubleshooting points above. If the problem persists, please contact Valiant and ensure your proof of purchase is available.