

FIRE RIBBON BURNERS – AIR VENTILATION & GAS SUPPLY

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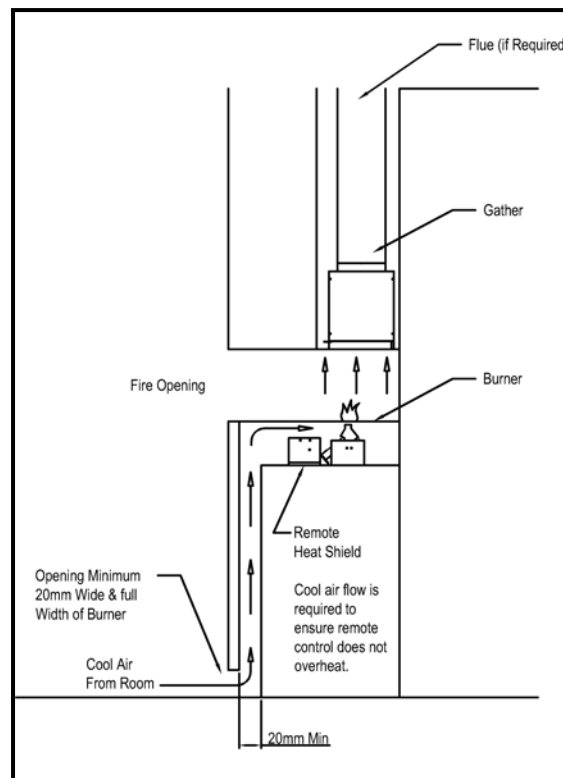
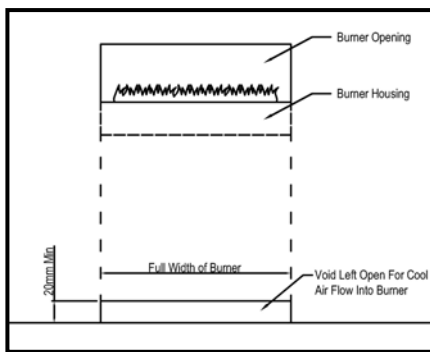
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This document is for use with our standard specification sheet and applies to the Fire River, Fire Wave and the bespoke Ribbon “Fire Baskets” to be purchased. If in doubt about any aspect of this specification please call sales on 01325-301020:

The “trimless” versions of the **Fire Ribbon, Fire Wave, Fire River** and also when using our **Ribbon Fire Basket** burners in bespoke fireplace’s that have being designed by others, need additional “burner” ventilation planning before installation starts. This air supply is taken from the room and is used by the burner for combustion and to keep the remote parts cool. The air is routed from “the room in which the fire is installed” to the lower section of the burner box below the shelf. This creates a flow of air which is drawn up the chimney. This means that the fire has a nice flame and there is no chance of burner damage. The air vent must be a minimum width of 20mm and be the full width of the burner flame. The system must be sealed so that air can only travel in one direction - from the room up the chimney. Failure to observe this critical design feature will result in flame reversal, poor performance and will result in serious burner damage. Heat damage to the remote parts will only occur in the case of poor installation and as such is not covered by the warranty.

See below image for guidance.

Ventilation - Front & Side View



NOTES

Ventilation to Burner

This extra “burner” ventilation is required for ALL trimless versions of our fire ribbon fireplaces, this includes any fire with a trim which is bonded to the wall.

The only ribbon fires which do not need this ventilation are:

- FIRE RIVER with our standard metal trim.
- ESSENCE with the integral trim.

If in doubt - call sales before starting to install the fire.

Gas Supply

Every fire is given a 40 point full function test at our factory before being shipped. This gives the installer maximum confidence that the appliance is in perfect working condition. The biggest cause of the gas fire not working properly during installation is low gas pressure, incorrect room ventilation, incorrect burner ventilation and incorrect chimney flow. Our ribbon fires are very high power appliances and need a very strong and continuous gas supply to perform as designed. No installation work should take place until the gas pipe work has been checked and confirmed to allow the correct amount of gas into the fire when operating on full.

If the gas supply is not strong enough to provide the correct amount of gas pressure typical issues that will result are:

- Sudden shutdown of the appliance - safety device operating as flame is not large enough to heat thermocouple.
- Small burner flame, yellow flame, sooting, flame unstable - incomplete combustion due to low pressure.
- Flame reversal causing the remote system to become damaged.

All of these issues can be avoided if correct planning is done before the fire is installed.

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CVO reserve the right to amend the specification sheet without prior notice. If in doubt about any aspect of this specification please call 01325-301020. This document is for guidance only when planning a bespoke fireplace. Every fire is supplied with an official install booklet which must be followed. Copying and distribution of these specifications is not permitted without the permission of Spirit Fires Ltd. All dimensions include a +/-2mm tolerance.

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SHOWROOM: CVO Fires can be seen live in our FIREVAULT showrooms based in the North and South of the UK.
Visit www.firevault.co.uk or call 01325-301020 for full contact details, location maps and directions.