

PowerFlue Chimney Exhaust Fans

Assembly and use.

The fan unit is supplied with a spigot (the size depends on the internal chimney/flue diameter).

Other components supplied:

- Speed Control with wall box (not supplied with 110-115volt models)
- External junction box
- 20 metres (approximately) of 3-core flex.
- 10mm spanner
- 4 x 6mm nuts + 4 x Dilution Spacers + 4 x 6mm bolts (initially used as transit bolts) see “1” below.

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1. Turn the fan upside down.
 2. REMOVE THE FOUR TRANSIT BOLTS SECURING THE FAN BLADE.
 3. Keep these four bolts as they are needed to secure the spigot to the fan.
 4. Check that the fan revolves smoothly.
 5. The dilution spacers should be fitted between the spigot and the fan using the transit bolts and nuts supplied. The dilution spacers help to prolong the life of the fan motor by keeping it cooler.
 6. The junction box should be connected to the fan with one of these nuts and bolts.
 7. Remove the cover of the junction box.
 8. Push the cable from the fan through the larger grommet on the black junction box and screw the nut over the flexible steel tube onto this grommet.
 9. Push one end of the cable from the 20-metre coil through the smaller grommet and connect both cables using the terminal block supplied.
 10. Check the fan is working correctly by connecting the other end of the 20-metre coil to an electrical supply. Replace the cover of the junction box.
 11. If all works correctly carry the fan to the chimney pot or flue and place the spigot inside the pot or flue – no other fixing is required
 12. The black cable should be run to a suitable situation close the fireplace or stove.
 13. The electrical supply should be taken first through a switched fuse spur to the speed control.
 14. ONLY the live wire should be cut so that the live supply goes through the speed control module using terminals “L1” and “C”. The neutral and earth do not go through the speed control module. If in doubt consult the manufacturer’s instructions supplied with the speed control unit.
 15. When connected, switch on the fan and light the appliance or fire.
 16. Start the fan at full speed and reduce the speed as the fire warms the chimney until the ideal speed is found.
 17. When cleaning ash from the appliance or fireplace turn the fan to full speed as this will reduce the fly ash that normally escapes out of the appliance or fireplace when removing the ash.
 18. If the fan is being used in conjunction with a wood burning stove and the flue pipe immediately above the stove is single skin, fix a thermometer 30-45cm above the stove. Adjust the fan speed to keep the stove burning within the optimum temperature range shown on the thermometer dial. If the flue is double skin/insulated or rear entry the stove pipe bracket will need to be used.

19. If fitting the stack plate on top of a chimney stack, follow the directions on the chimney stack plate.
20. The 230volt motor is rated at 0.60amp, 50/60hz, AC.
21. The weight of the fan installed is 6.2-6.5Kg depending on size.
22. If a 125mm or 150mm liner is being used inside a masonry chimney pot it is advisable to use a securing strap set to ensure that the liner stay central in the chimney pot.

Flue Dilution Spacers

These spacers need to be fitted between the spigot and the fan and are designed to prolong the life of the fan motor. They allow cool air to be drawn into the fan.



PowerFlue is a trading name of Living Flame Limited

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