



12V Steam Room Extraction Fan

S1EX Low-voltage extractor for saunas & steam rooms

PRODUCT OVERVIEW

Specially designed for operation in steam rooms and saunas, this high-performance extractor fan is capable of operating at temperatures of up to 140°C and in 100% humidity. The body, vane and back are manufactured from a high temperature engineering plastic capable of withstanding temperatures up to 200°C, allowing the fan to be safely mounted directly within the steam room or sauna. Its double insulated electric motor and high temperature double encapsulated ball bearings provide exceptionally quiet, maintenance-free operation and guarantee over 30,000 hours of reliable performance, whether installed horizontally or vertically.

Available in a choice of white or anthracite grey/black, the fan kit includes a non-return backdraught shutter that prevents steam escaping when the fan is switched off. This improves energy efficiency and helps your steam generator operate more economically. Designed for use with 100mm ducting, the extractor provides effective steam extraction over straight duct runs of up to 2 metres. For longer duct runs, we recommend our 230V in-line steam extractors. Please note, Ducting is not included and the 12V extractor fan is supplied without an integral switch, so an external switch or timer must be supplied and fitted separately.

Steam Room fans for 125mm ducting available to special order.

SPECIFICATION

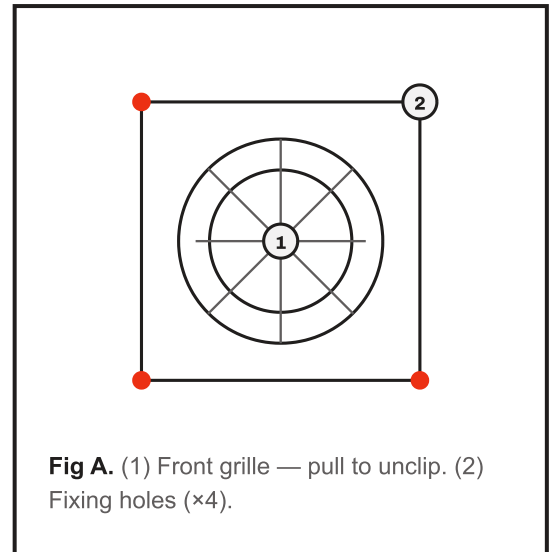
Supply	12V (via transformer)
Duct size	100mm
Max. temperature	140°C
Humidity	Up to 100%
Max. duct run	2m straight
Finishes	White / anthracite
Included	Backdraught shutter
Service life	30,000+ hrs

Ducting not included. Fan supplied without an integral switch — an external switch or timer must be fitted separately.

WARNING The electrical connection must be carried out by a qualified electrician with the power supply switched off.

INSTALLATION

- 01** Cut a hole in the wall to suit the fan and 100mm ducting. If the fan is to be fixed in the ceiling, ensure that the hole is between the joists.
- 02** Fit ducting flush to the plaster of the wall or ceiling. Unclip the front grille — **Fig A (1)**.
- 03** Hold the body of the fan against the wall or ceiling and mark the fixing holes — **Fig A (2)** — and the cable entry.
- 04** Bring the power cable into position. For correct connection, refer to the wiring diagram below.
Note: if the fan is fitted with a back shutter, make sure the shutter is in the vertical position.
- 05** Use wall plugs and fixing screws to fix the fan to the wall or ceiling.



WIRING — LOW VOLTAGE (12V)

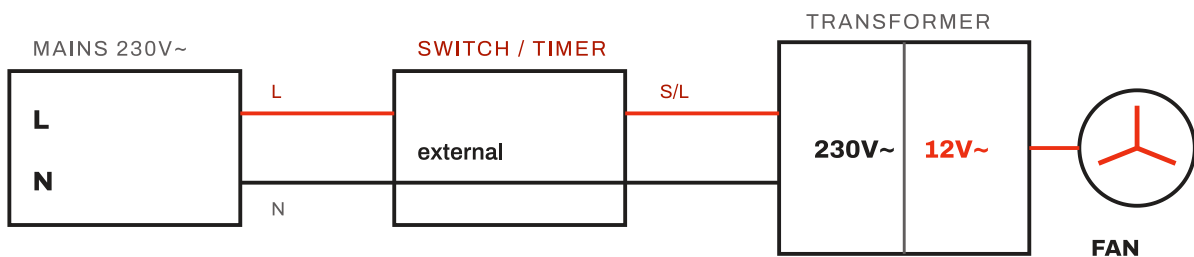


Fig B. A permanent live (L) and neutral (N) 230V~ supply feeds the transformer via an external switch or timer (switched live, S/L). The transformer steps the supply down to 12V~ for the fan. **The transformer must be sited out of reach of any person using the bath or shower.**

1. POSITIONING

For best results always install the fan in the furthest wall or ceiling from the main air inlet point and at a high level. This ensures maximum airflow of fresh air throughout the room.

2. WET AREAS

Always use a low-voltage or in-line duct fan to ventilate a shower cubicle. The transformer of the low-voltage fan must be sited out of reach of any person using the bath or shower.

3. CABLING

All wiring must comply with IEE Regulations. The power cable must be a minimum of 1mm² in section.

IMPORTANT

- Switch off the mains supply before making any electrical connections or carrying out maintenance. If in any doubt, contact a qualified electrician.
- This appliance is not intended for use by children, or persons with reduced physical, sensory or mental capabilities, without supervision.
- Precautions must be taken to avoid back-flow of gases into the room from an open flue or other open-fire appliances.
- The fan is maintenance-free and sealed for life; it requires no servicing for at least 30,000 hours of continuous operation.