



ThermaFlue

Installation Guide

Description

Thermaflue™ insulation sleeves are designed to improve the operation of solid-fuel burners and minimise deposit build up within the flexible flue liner by maintaining a more stable flue draught and temperature. The sleeves are comprised of two layers of high-temperature insulation material; an external water-resistant, silicone coated woven E-glass cloth and an internal needled fibreglass matting. These are wrapped around the flue liners and secured with buckle fasteners and connected along the length of liner by metal D and G links.

Specification

Designed and tested to withstand long term operational temperatures of 450°C. Suitable for all gas, oil and solid-fuel burning appliances to which a flexible flue liner can be attached.

Health and Safety

The internal layer of Thermaflue™ is comprised of continuous filament fibres made from borosilicate E Glass. The filament diameters are uniform and are well above the maximum size considered to be respirable (approx. 3 micron). They will not subdivide into fibrils of a smaller diameter. As a result this product is classified as low hazard. During installation there is a risk of irritation due to exposure to the glass fibres. Inhalation: In case of inhalation of glass dust particles or fumes that may result from thermal degradation move into fresh air, if irritation persists seek medical attention. It is recommended that when removing Thermaflue™ after a chimney fire a mask is worn. Skin contact: If irritation is a problem then rinse the affected areas with cool water, then wash gently with mild soap. If glass fibre becomes embedded in the skin then seek medical attention. Please note that gloves should always be worn when handling a stainless steel flue liner and so no additional protection is needed when Thermaflue™ is included in the installation. Eye contact: Flush eyes with clear water for at least 15 minutes, if irritation persists seek medical attention.

Ordering and Sizing Information

This product is available in 1 MTR lengths in two sizes; 125 – 150mm (5" – 6") and 180 – 200mm (7" – 8")

Handling

The Thermaflue™ sleeves are manufactured, packed and delivered with care but it is possible that during this process damage may occur. It is important all components are checked on arrival and that any damage is reported immediately. If damage occurs after this the manufacturer cannot take responsibility. The Thermaflue™ sleeves are robust when installed but must be handled with care during transport and installation. Damaged sleeves must not be used.

1. Preparation

Straighten out the flue liner in a suitable location. Lay out the correct number of insulation pieces to cover the length of flue liner with the fabric side down. Place the flue liner on top of the insulation ensuring the smoke direction arrow is pointing so that the collar/D-Rings on the insulation are at the top (cowl end) of the flue liner.

2. Fitting

Starting at the top of the flue liner close the first insulation piece around the flue liner, by overlapping the Velcro strips along the length of the blanket and then fold across the Velcro strips for addition support.

Link the next piece by connecting the D-Rings to the G-Rings on the previous piece.

Repeat the above steps until all the insulation pieces have been fitted.

3. Nose Cone

Bend the rope loop to 90 degrees using screwdriver/pliers. Bend the 'feet' to 90 degrees using pliers (in the opposite direction to the rope loop). Bend the arms of the cone to form shape. Fit the nose cone to the flue liner ensuring that the feet catch in the ridges of the flue liner and secure using heavy duty tape. Attach rope to end of cone through loop.

4. Inserting Liner

Refer to flue liner manufacturer's instructions for fitting and ventilation methods.

PLEASE NOTE:

A. Any tape or other items used to fit/secure the nose cone or assist with installation should be removed prior to use as they could be made from a combustible material

B. The void around the Thermaflue within the chimney stack should be ventilated at the bottom and top of chimney stack. See HETAS for details, flue manufacturers instructions, warranties for suggested methods of ventilation.

C. As an extra safety precaution we recommend that the Thermaflue starts at 1 metre from the appliance spigot (see diagram below). This will allow for some dissipation of heat particularly if the appliance is being overfired or when refueling where the flames may be drawn directly into the flue.

