



Forest Energy and Air Solutions

Fumeflex chimney liner™

Installation and maintenance manual for the flexible liner kit.

We recommend that you have your chimney liner installed by a professional.

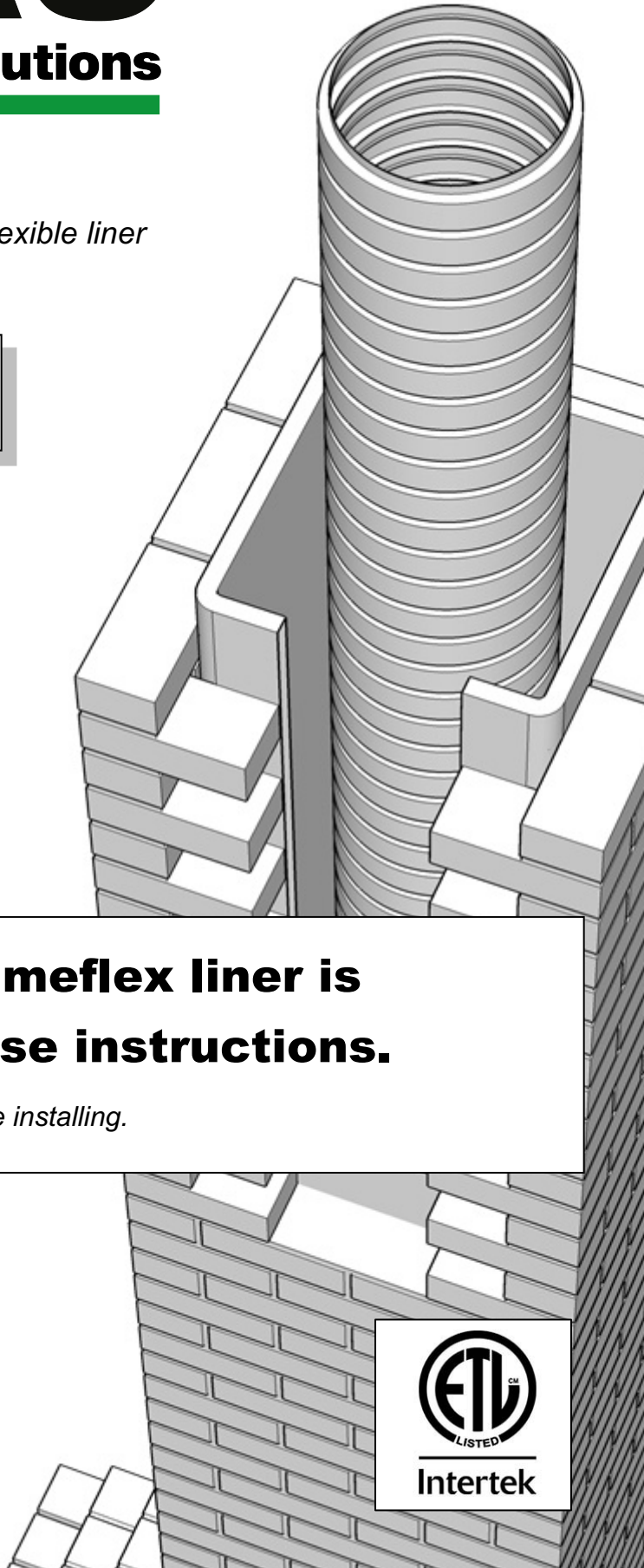
The flexible liner kit by FEAS has been designed and tested INTERTEK for zero clearance for installation in a masonry chimney for oil, wood, gas and pellet appliances.

Any warranty is void if the duct is not installed according to the instructions in this brochure, and according to local regulations. The approval of the Fumeflex liner is void if FEAS accessories are not used.

It is important that the Fumeflex liner is installed according to these instructions.

Please read the following instructions carefully before installing.

9265 Le Royer, Montreal, (Quebec), H1P 3H7
Office: (514) 750-3327 Toll-free: 1(844) 569-6976
Fax: (514) 669-3631 E-mail : info@feas.ca
Website : www.feas.ca



The Fumeflex system of FEAS™

Available in 3''- 4''- 5''- 6''- 6R''- 7''- 8''

The Fumeflex system was designed for heating appliances using a masonry chimney that consumes heating oil, propane, natural gas, wood or pellets. This system is not designed for use with Category II, III, IV Gas Burners, as defined by NFGL code 54, or any other system generating positive pressure or corrosive gases in the chimney. The Fumeflex system was designed to be installed in a brick chimney with a minimum thickness of 4'' with or without tiles.

PIECES LIST

The Fumeflex system includes :

1 Hat
1 Flashing

2 Sleeves
1 Chimney liner

1 Base T or
1 Built-in starter or
1 mortar guard / wall plate

INSTALLATION GUIDELINES

Cleaning of the chimney

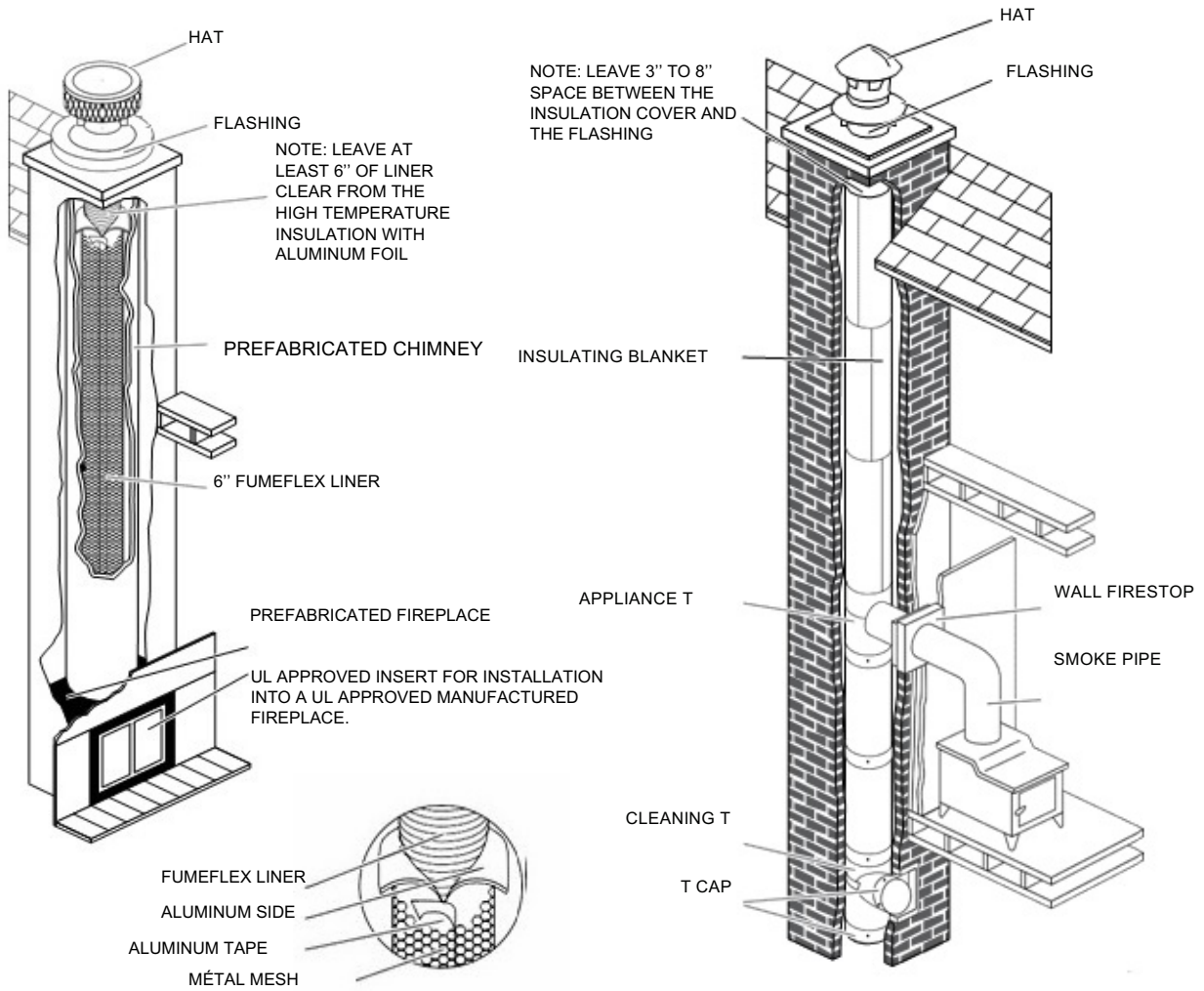
- The chimney must be clean and free of debris.
- Soot and creosote must be removed before installation.
- Cleanliness of the chimney may void the warranty.
- The chimney must be inspected and repaired.
- Pass a guide from the top to the bottom of the chimney to ensure the correct diameter and that there are no obstacles.

Installation of the liner

- Examine the chimney for cracks and missing or loose bricks and make repairs.
- The chimney must be 4 inches thick.
- Do not reline a non-compliant chimney.

- The installation must include a hat and flashing to prevent the infiltration of water, snow, animals, and birds into the chimney.
- Minimum clearance between the liner and the chimney.
 - 0'' for oil and gas
 - 1'' for wood
- Minimum clearance of combustible products outside the chimney.
 - 0'' for oil and gas
 - 2'' for wood
- Separate the vertical portion of the T.
- Screw the T to the liner with the stainless steel screws provided.
- Lower the liner into the chimney until the base T is aligned with the hole.
- Attach the vertical portion as well as the T cap.
- Attach the smoking pipe of the device to the base T, sealed with high temperature silicone.
- Seal the hole with cement or an approved wall firestop.
- If the chimney tile extends beyond the crown, cut it.
- Slide the flashing over the liner until the flashing rests on the crown.
- Apply a bead of high temperature silicone between the flashing and the crown.
- Screw four cement screws into the four corners of the flashing.
- Screw three stainless steel screws between the flashing collar and the liner.
- Place the hat on the flashing and secure it with three stainless steel screws.
- Two lengths of chimney liner can be joined using the waterproof connector provided by FEAS.

The Fumeflex system from FEAS



THE FUMEFLEX SYSTEM LIFETIME GUARANTEE

Forest Energy and Air Solutions guarantees the Fumeflex flexible chimney liner and its accessories against any manufacturing defects, corrosion, or perforation due to a chimney fire. Lifetime warranty for use with wood, pellets, gas, and oil installed with INTERTEK category 1 approved gas or oil burner appliances.

The warranty applies to the first purchaser, as long as the Fumeflex system has been installed with Fumeflex accessories by a certified contractor and the attached instructions have been followed.

The Fumeflex chimney liner from FEAS must have been inspected one year after the date of installation and every 12 months thereafter by a certified chimney sweep.

Do not use chemical-based cleaners.

Do not burn driftwood or pellets containing salt, treated wood, plastic, chimney sweep logs, otherwise the warranty will be void. The maintenance report must be up to date.

Do not use a steel chimney sweep brush, use a fiber brush instead.

In the event of a chimney fire, have your chimney inspected by a certified chimney sweep before using it again.

If you need to make a complaint, contact the installer who will contact us.

If FEAS determines that the warranty applies, FEAS will replace the defective parts free of charge. Replacement of parts is the sole responsibility of FEAS.

FEAS is not responsible for providing labor.



*** Tested and approved by INTERTEK – All FEAS Fumeflex systems and their accessories are INTERTEK listed.**

Complete and return to FEAS: 9265 Le Royer, Montreal, (QC) H1P 3H7

Name: _____

Address: _____

City: _____ Province: _____ Zip Code: _____

Phone: _____ E-mail: _____

Installer: _____

Company: _____

Company address: _____

City: _____ Province: _____ Zip Code: _____

Phone: _____ E-mail: _____

Installer signature: _____ Date: _____

Dimension x Length: _____ x _____

Appliance category:

Stove

Oil Gas Wood

Furnace

Oil Gas Wood

Fireplace

Oil Gas Wood

Water heater

Huile Gaz

Pellet stove

INSTRUCTIONS TO INSULATE THE CHIMNEY LINER (IF REQUIRED)

- Also insulate either the base T or the built-in starter.
- The liner must be insulated from the termination to the crown. If installing with the base T, the insulation must cover from the T cap to the crown. For the built-in starter, the insulation must extend from the section of the starter that is not in the appliance to the crown.
- The insulation must overlap by 1 inch over the entire length of the liner. To ensure the correct width of the insulation, multiply the diameter of the liner by 3.1416 plus 1" inch for the overlap.
- Place the insulation on a level surface. Extend the liner and its termination in the center of the insulation.
- Begin wrapping the insulation around the liner. Apply aluminum tape every 1-foot interval and make sure to have 1" inch of overlap.
- When the insulation is secure, apply aluminum tape along the entire length of the joint.
- Encapsulate the insulated liner with the metal mesh. Cut the wire mesh to the correct length and pull it the entire length of the liner.
- Using a stainless steel hose clamp, tighten one end of the conduit, pull out the excess mesh and tighten the other end with a stainless steel hose clamp. Then cut off the excess.
- The insulated liner is ready to be installed.

MAINTENANCE INSTRUCTIONS

- To maintain its warranty, the Fumeflex system must be inspected and cleaned by a certified chimney sweep every year before the heating season to ensure that there is no debris, creosote, or condensation, and that all parts are in good condition.
 - A maintenance report must be given to the owner and kept with the maintenance log.
- Creation of soot and creosote:
The necessity to remove it**
- When wood burns slowly, tar and other organic vapors are produced which, combined with the humidity released, form creosote. The creosote vapor condenses and sticks to the walls of the liner. When it catches fire, creosote produced an extremely hot fire.
 - The Fumeflex system should be checked every two months during the heating season to ensure that there is no creosote. If this is the case, remove it to prevent a chimney fire.



Intertek

MAINTENANCE LOG

Installer: _____ **Date of installation:** _____
Company: _____ **Phone :** _____ **E-mail :** _____
Address: _____ **City :** _____ **Province :** _____ **Zip Code:** _____

Maintenance 1st year : _____ Work done : _____ Date : _____ Signature : _____	Maintenance 6th year: _____ Work done: _____ Date : _____ Signature : _____
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Maintenance 2nd year : _____ Work done : _____ Date : _____ Signature : _____	Maintenance 7th year: _____ Work done: _____ Date : _____ Signature : _____
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Maintenance 3rd year: _____ Work done : _____ Date : _____ Signature : _____	Maintenance 8th year: _____ Work done: _____ Date : _____ Signature : _____
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Maintenance 4th year : _____ Work done : _____ Date : _____ Signature : _____	Maintenance 9th year: _____ Work done: _____ Date : _____ Signature : _____
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Maintenance 5th year : _____ Work done : _____ Date : _____ Signature : _____	Maintenance 10th year: _____ Work done: _____ Date : _____ Signature : _____
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