



## PELLET/CORN FLEXIBLE LINER INSTALLATION INSTRUCTIONS MODELS 3PFLX AND 4PFLX

### CAUTION:

This stainless steel liner is for venting a Pellet/Corn fueled appliance that is mounted within a masonry chimney hearth. The liner is designed to connect to rigid Pellet/Corn chimney within, or as it exits, the masonry chimney. The masonry chimney should be inspected to assure that it meets the requirements of NFPA211.

Using this liner allows the installer to vent the Pellet/Corn appliance through the masonry damper area or to be vented using the combination of stainless steel flexible liner in conjunction with rigid Pellet/Corn chimney. The stainless steel liner cannot be used outside the masonry environment.

### INSTALLATION:

1. If the stainless steel chimney liner is to go from the appliance outlet or tee to near the top of the masonry, then the required length can be determined using a weighted rope (See **Fig. 1, FIG. 2 and FIG. 3**).

Drop the weighted end of the rope down the masonry chimney to the height of the tee or appliance outlet. Measure the rope length to account for the attachment to the pellet chimney termination.

**NOTE:** If the masonry chimney being relined is very large versus the diameter of the flexible liner, or if the length of liner is long, the pellet chimney flashing may require stiffening.

2. If the required length of liner is less than twenty-five feet, the liner can be cut using a hacksaw, snips, or disc cutter. Cutting the liner should be done on the ground or other firm surface. When cutting the liner, it is important to cut straight across the spiral to assure the liner fits into the pellet vent.
3. With the liner on the roof, drop a rope that is attached to the liner down the chimney. With a person at the hearth, slowly pull the rope while the second person directs the liner into the chimney.
4. When there is four feet of liner left to be fed into the chimney, stop and attach the liner to one or more straight sections of rigid pellet chimney. The liner can be inserted between the flue and outer casing of the rigid pellet chimney. Secure with a minimum of three pop rivets equally spaced about the vent.

5. At the appliance end of the flexible liner, attach the liner over the appliance outlet or Metal-Fab liner tee. Secure with three screws or rivets. Note: The Metal-Fab liner tee-cap is designed for easy removal for ash clean out.
6. The vent should terminate with the lowest discharge opening no closer to the roof than the minimum height shown in the table below. These minimum heights may be used provided the vent is not less than 8 ft. from any verticle wall.

Roof Pitch	Minimum Height
Flat to 6/12	1.0 foot (305mm)
Over 6/12 to 7/12	1.25 feet (380 mm)
Over 7/12 to 8/12	1.5 feet (451mm)
Over 8/12 to 9/12	2.0 feet (610mm)
Over 9/12 to 10/12	2.5 feet (762mm)
Over 10/12 to 11/12	3.25 feet (991mm)
Over 11/12 to 12/12	4.0 feet (1218mm)
Over 12/12 to 14/12	5.0 feet (1524mm)
Over 14/12 to 16/12	6.0 feet (1829mm)
Over 16/12 to 18/12	7.0 feet (2134mm)
Over 18/12 to 20/12	7.5 feet (2286mm)
Over 20/12 to 21/12	8.0 feet (2438mm)

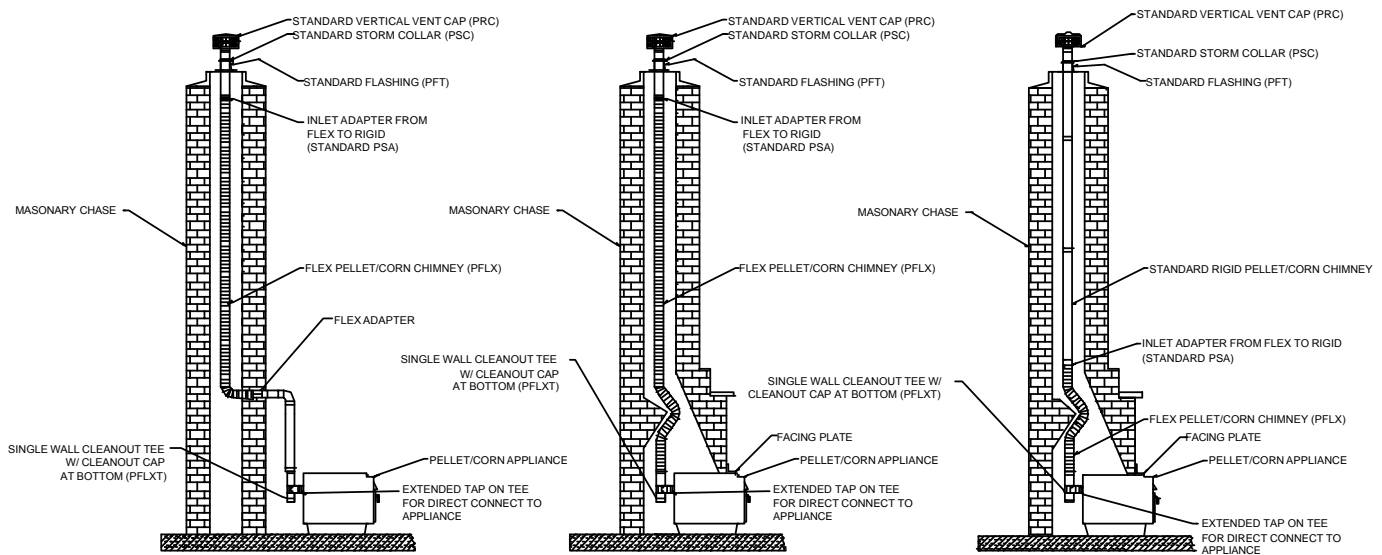


FIG. 1

FIG. 2

FIG. 3

7. Attach the standard Metal-Fab pellet/corn chimney storm collar and cap to the rigid pellet/corn chimney above the flashing. The storm collar is to be caulked to the chimney.



P.O. Box • WICHITA, KANSAS 67201  
 (316) 943-2351 • FAX (316) 943-2717  
[www.metal-fabinc.com](http://www.metal-fabinc.com)