



-Building Heating Appliances-

PART 1 – GENERAL

1. SCOPE

- 1.1. The pre-fabricated liner shall be listed by Intertek in the United States and Canada according to UL/ULC standard for use with building heating appliances which produce exhausted flue gases at a maximum temperature of 1000°F under continuous firing.
- 1.2. The Liner shall be listed for temperatures of 538°C (1000°F) under continuous firing according to UL 1777, ULC-S640, and ULC-S635.
- 1.3. The factory built Liner system shall be made in accordance with NFPA 211. This liner system shall be designed and installed to be gas tight. It shall be listed by Intertek in accordance to withstand up to 60-inch internal water column pressure.

PART 2 - CONSTRUCTION

2. CONSTRUCTION

- 2.1. Each CT section shall be made of a steel cylinder of either 304 or 316 stainless steel.
- 2.2. The flue shall be constructed from 304 or 316 stainless steel, 0.024 inch thick.
- 2.3. The flue shall be laser or plasma welded.
- 2.4. All section joints are slip-fit 80mm (3 inch) connected and sealed with factory supplied locking bands at the outer wall. Use appropriate sealant as specified in the manufacturer's installation manual.

PART 3 - EXECUTION

3. INSTALLATION

- 3.1. The installation shall be in accordance with the manufacturer's installation instructions and recommendations and shall conform to all applicable state and local codes.
- 3.2. All section joints are held in place by one mechanical locking band and sealed with appropriate sealant as recommended by the manufacturer's installation instructions and recommendations.
- 3.3. For Positive Pressure applications, apply the sealant as recommended by the manufacturers installation instructions and recommendations.
- 3.4. When installed according to the manufacturer's installation instructions, the chimney and its supporting system shall resist side loads at least 1.5 times the weight per foot of piping.

PART 4 – WARRANTY

4. WARRANTY

- 4.1. The manufacturer shall warranty the chimney for ten (10) years from date of delivery for functional failure and failure due to manufacturing defects in the vent system. See manufacturer's warranty for details.
- 4.2. The sizing of the complete vent system shall be guaranteed by the manufacturer and a copy of the sizing calculations submitted to the engineer for review and approval prior to the contractor placing an order and release.



- 4.3. The manufacturer shall submit a venting drawing for approval showing all vent system components. The contractor must position all venting components, equipment, water and gas piping to accommodate the vent system design.

PART 5 - PRODUCTS

1. MANUFACTURERS

- 1.1. Specification requirements shall be met by using Security Chimneys CT Liner or equivalent as approved by the engineer. Equivalent submittals shall demonstrate that the alternate material is in compliance with all specification requirements.