

**PART 1 – CHIMNEY LINER**

**1.1 SCOPE: JEREMIAS CHIMNEY LINING SYSTEM**

- A. Manufacturer shall provide a factory-built, single-wall, modular, chimney lining system for gas and oil fired appliances. Such system shall be tested and listed by Underwriters Laboratories Inc. (UL) for use on Category I, II, III, and IV Appliances, non-categorized forced draft boilers, and restaurant equipment as required by NFPA-54, NFPA-31, NFPA-211, and NFPA-96. The Chimney Liner system shall be listed in accordance with:
  - a. UL-1777 Standard for Chimney Liners, gas and oil only, with operating flue gas temperatures up to 570°F continuous.
  - b. UL-1738 Standard for Venting Systems for Gas-Burning Appliances, Categories II, III, and IV, with operating flue gas exhaust temperatures up to 550°F continuous, and/or 480°F continuous.
  - c. UL-103 Standard for Building Heating Appliance Chimneys which may produce exhaust gas at temperatures not exceeding 1000°F under continuous operating conditions and 1400°F under intermittent condition when burning gaseous, solid, or liquid fuels as described in NFPA-211
  - d. UL-1978 Grease Duct for use with commercial cooking equipment, as described in NFPA-96, which may produce temperatures not exceeding 500°F under continuous operation and 2000°F for 30 minutes.
- B. The Chimney Liner shall be listed for positive internal pressure applications up to 90 inches W.C. and for temperatures from ambient up to the maximum 1400°F continuous temperature of the UL-2561 testing.
- C. Basis of design is Jeremias Model SWKL.

**1.2 CONSTRUCTION**

- A. The single-wall Liner shall be 444 stainless steel.
- B. The Liner shall have steel to steel male/female conical joints that do not require sealant. The joints shall be secured and sealed by means of a locking band.
- C. Vent system shall be designed to compensate for all temperature induced thermal expansion, installed to be gastight, and thus prevent leakage of combustion products into a building.
- D. Detailed manufacturer's submittal drawings shall be provided for approval prior to installation of the vent system.

**PART 2 – EXECUTION**

**2.1 INSTALLATION**

SECTION 235100 – BREECHING, CHIMNEY & STACK

- A. Entire vent system from the appliance outlet to the termination point, including accessories shall be from one manufacturer, except where noted.
- B. Installing contractor shall coordinate installation methods with manufacturer prior to installation. Liner manufacturer can provide assembly guides, centering bands, conical joint clamps, factory welded sections, lifting lugs, etc. to facilitate a safe and proper installation.

**PART 3 – WARRANTY**

3.1 WARRANTY

- A. The factory-built modular vent system shall be warranted against functional failure for Twenty-Five (25) years.
- B. Manufacturer shall provide ASHRAE flue sizing calculations, or certificate of Liner equivalent feet, confirming the inner diameter is in complete compliance with appliance manufacturers installation instructions.
- C. Manufacturer shall provide certificate of code compliance for all required local and national codes for the installation with the scheduled appliances.