

**PART 1 – BREECHING, CHIMNEY & STACK**

**1.1 SCOPE: SINGLE WALL SPECIAL GAS VENT FOR CONDENSING APPLIANCES**

- A. Manufacturer shall provide factory-built, single wall, modular universal stack/vent system tested and listed by Underwriters Laboratories Inc. per 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 internal pressures not exceeding 20" W.C.

**1.2 CONSTRUCTION**

- A. The single wall exhaust system shall be constructed of all-stainless steel. The materials and construction of modular sections and accessories shall be as specified by the terms of the product's UL listing.
  - a. UL 1738 Listing approved Type 444, 316L, or AL29-4C stainless steel flue.
  - b. The entire exhaust system, including all accessories (connectors, hardware, anchor plate supports, guides, drains, and terminals), shall be Type 304 stainless steel.
- B. The flue shall have an overlapping male/female socket that protects the gasket and/or sealant against condensate contamination. All pipe joints shall be secured with mechanical tightening bands.
- C. Exhaust 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. Exhaust system is based upon Jeremias Model SWGV. Detailed manufacturer's submittal drawings shall be provided for approval prior to installation of the exhaust system.

**PART 2 – EXECUTION**

**2.1 INSTALLATION**

- A. Roof and wall penetrations shall be factory insulated and UL listed as not to require air ventilation for safe installation around combustible materials.
- B. Entire exhaust system from the appliance outlet to the termination point, including accessories shall be from one manufacturer, except where noted.

**PART 3 – WARRANTY**

**3.1 WARRANTY**

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