



## Sample Specification - DOUBLE WALL Positive Pressure Vent - Secure Seal™ SSD

No. 8503

### PART 1 GENERAL

#### 1.1 SCOPE

- A. The provisions of Section \_\_\_\_\_, Mechanical General Specifications apply to all work in this Section.
- B. This Section includes all specifications relating to the furnishing and installing of Double Wall Positive Pressure Vent Systems.

#### 1.2 SUBMITTALS

Submit the following items in accordance with Section \_\_\_\_\_:

- A. Catalogue cuts / Diagrams / Descriptions
- B. Sizing calculations
- C. Installation Instructions
- D. Installation Drawings
- E. Copy of product warranties

#### 1.3 CODES AND APPLICABLE STANDARDS

All products furnished under this Section shall conform to the requirements of The National Fuel Gas Code, ANSI Z223.1 / NFPA-54 where applicable and shall comply with and be listed to UL 1738, the U.S. Standard for Venting Systems for Gas -Burning Appliances, Category II, III and IV and ULC-S636-95, the Canadian Standard for Type BH gas vent systems. Components coming in direct contact with products of combustion shall carry the appropriate UL or cUL.

#### 1.4 WARRANTIES

The Manufacturer shall warrant the Positive Pressure Vent System against defects in material and workmanship for a period of 15 years from the date of original installation. Any portion of the vent repaired or replaced under the warranty shall be warranted for the remainder of the original warranty period.

### PART 2 PRODUCTS

#### 2.1 POSITIVE PRESSURE VENT

- A. The vent shall be of the double wall, factory built type, designed for use in conjunction with Category I, II, III or IV condensing or non-condensing gas fired appliances or as specified by the heating equipment manufacturer.



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- B. Maximum continuous flue gas temperature shall not exceed 550 degree F (288 degree C).
  - C. Vent shall be listed for a maximum positive pressure rating of 6" w.c. and shall have passed at 35" w.c.
  - D. The vent system shall be continuous from the appliance's flue outlet to the vent termination outside the building. All system components shall be UL / cUL listed and supplied from the same manufacturer.
  - E. The vent shall be constructed with an inner and outer tube, where the annular air space between the tubes is 1inch.

The inner tube (flue gas conduit) shall be constructed from AL29-4C® stainless steel, with a minimum wall thickness of .020" for 4" through 12" diameter vents, and .024" for 14" to 24" diameter vents.

The outer tube (jacket) shall be constructed from 441 stainless steel, with a minimum wall thickness of .020" for 4" through 10" diameter vents and .024" for 12" through 24" diameter vents.

- F. All system components such as vent supports, roof or wall penetrations, terminations, appliance connectors and drain fittings require to install the vent system shall be UL listed and provided by the vent manufacturer.
- G. Vent layout shall be designed and installed in compliance with manufacturers installation instructions and all applicable local codes.

## 2.2 AVAILABLE MANUFACTURERS

Vent shall be Secure Seal™ SSD by Security Chimneys International.

## PART 3 EXECUTION

### 3.01 VENT SYSTEM LAYOUT

- A. The vent system shall be routed to maintain minimum clearance to combustibles as specified by the manufacturer.
- B. Vent installation shall conform to the manufacturer's installation instructions, its UL listing and state / local codes.
- C. The vent system and breechings shall be inspected and cleaned before the final connection to the appliances.

### 3.02 MECHANICAL EQUIPMENT

- A. If dampers or fans are installed in conjunction of the vent system, such equipment shall be supported independently from the vent system. Protect the vent system from twisting or movement due to fan torque or vibration.



**SECURITY CHIMNEYS INTERNATIONAL**  
2125 MONTEREY LAVAL, QUEBEC CANADA H7L 3T6  
USA 800-361-4909 · CAN 800-667-3387 · FAX 450-973-2222  
[INFOUS@SECURITYCHIMNEYS.COM](mailto:INFOUS@SECURITYCHIMNEYS.COM) · [WWW.SECURITYCHIMNEYS.COM](http://WWW.SECURITYCHIMNEYS.COM)