



Coaxial Vent Submittal & Specifications

Engineer: _____

Project Name: _____

Project Location: _____

Contractor: _____

SPECIFICATIONS:

Natalini polypropylene vent components are used on gas fired condensing boilers with sustained maximum flue gas temperature of 230°F/110°C. The coaxial pipe assembly consists of two separate pipes with smaller diameter inner pipe resting inside a larger diameter outer pipe. Stainless Steel metal spacers maintain proper distance between the inner piping system and outer pipe. The inner wall piping is manufactured from polypropylene with a wall thickness of 2 mm. The inner wall polypropylene piping is connected with silicon a O-ring for an airtight seal. The outer wall piping is manufactured from aluminum with a wall thickness of 1.5 mm. The pipe is painted white with an epoxy polyester and polyester powders finish. Zinc coated sheet metal screws, no larger than #8-3/4 screws, are used to connect each of the outer wall sections of pipe together.

CERTIFICATION AND APPROVALS:

This venting has been tested in accordance with and is in compliance with the applicable requirements of ULC-S636 per UL reports 188786-2546036 and 188786-70036223.

INSTALLATION:

Installation shall conform to requirements of authority having jurisdiction or in absence of such requirements: USA - National Fuel Gas Code, ANSI Z223.1/NFPA 54, UL 1738; Canada - Natural Gas and Propane Installation Code, CAN/CSA B149.1, ULC S636

Coaxial Vent Piping shall be used throughout the entire vent system, must be installed in accordance with the Installation and Operations manual supplied with the condensing boiler, and/or the instructions supplied with the vent piping.

- Use of (2) zinc coated sheet metal screws, no larger than #8-3/4, as a mechanical fastener on the outer wall piping at every connection when using coaxial vent system.

Inner wall is connected by push-fit gasket, if lubricant is needed use water to aid with install of vent piping. Straight lengths of piping can be cut per installation instructions.

STRAIGHT LENGTHS OF COAXIAL PIPE LENGTH

Diameter Outer/Inner wall 4" / 2" (100 mm / 60 mm)

Diameter Outer/Inner wall 5" / 3" (125 mm / 80 mm)

Diameter Outer/Inner wall 6" / 4" (160 mm / 110 mm)



COAXIAL ELBOWS 45 & 90

Diameter Outer/Inner wall 4" / 2" (100 mm / 60 mm)

Diameter Outer/Inner wall 5" / 3" (125 mm / 80 mm)

Diameter Outer/Inner wall 6" / 4" (160 mm / 110 mm)



Terminations Vertical & Horizontal

Diameter Outer/Inner wall 4" / 2" (100 mm / 60 mm)

Diameter Outer/Inner wall 5" / 3" (125 mm / 80 mm)

Diameter Outer/Inner wall 6" / 4" (160 mm / 110 mm)

