

NovaVent® White

An Environmentally
Safe Alternative to
PVC Venting

NovaVent® White provides excellent resistance to elevated temperatures, minimal thermal expansion and outstanding protection from environmental attack.

NovaVent® White offers greater long term value in service life than PVC vent systems.

NovaVent® White is a noncombustible material and unlike PVC, bears no risk of chemical out-gasing.

NovaVent® White manufactured from stainless steel, is 100% recyclable material.

Common Uses

Gas fired Tankless Water Heaters and other gas-fired Category II, III, IV equipment. Tested and Listed to UL1738/S636 Category II,III, IV.



New!
Appliance White Finish
Durable Heat-Safe,
Uniform Look.
Esthetically
Pleasing



Z-FLEX®
CHIMNEY & VENTING SOLUTIONS



NovaVent® White



Special Gas Vent System Product Specifications

Single-Wall Category II, III & IV UL 1738

NovaVent® White SW

Single-Wall venting system is tested and listed to UL 1738 / S636 for use with listed natural gas or propane gas burning equipment with exiting flue gas not greater than 550°F (288°C).

Applications

Manufactured by Z-Flex®, NovaVent® White is a factory built, designed and engineered Special Gas Vent system suitable for venting Category II, III, or IV Gas Burning appliances and Direct Vent units.

Common Uses

Gas fired Tankless Water Heaters and other gas-fired Category II, III, & IV equipment.

Construction

NovaVent® White flue is manufactured from a unique high corrosion resistant stainless steel alloy, NV1738, with properties suited for use with gas burning equipment which produce corrosive condensation in venting systems.

When compared to plastic and other resin based materials used for venting systems, **NovaVent® White** displays considerably lower thermal expansion and contraction making it much more resistant to stress corrosion cracking.

NovaVent® White also offers a higher temperature range than plastic venting, making it an ideal choice for battling the effects of a wide range of flue gases temperatures and the corrosive condensate produced.

Thermal Expansion (inches/100 feet)

Temperature Change (°F)	PVC ⁽¹⁾	CPVC ⁽¹⁾	Stainless Steel
100	3.6	4.56	1.09
150	5.4	6.84	1.63

For temperature change: °F = 5/9 °C

⁽¹⁾ Note the relative thermal expansion of thermoplastic plastic materials as PVC and CPVC compared to steel.

Stainless Steel

Stainless Steel became the standard for venting more than hundred years ago. Today, advances in metal technologies such as NV1738 offer improved elevated temperature strength and outstanding resistance to environmental attack; providing even better long term value in service life.

Stainless Steel is a noncombustible material and unlike PVC bears no risk of chemical out-gassing. Stainless steel is a 100% recyclable material.

Patented Sealing System

NovaVent® White SW components are supplied with factory installed, patented (US patent 6-523-865), self-sealing Double Fail Safe™ gaskets. This gasket is designed to work with Z-Flex's precision engineered close tolerance manufacturing processes which ensure an air-tight, water-tight fit.

Material Finish

The white thermoplastic coating is incredibly durable and color matched to common appliance colors providing an ecstasically pleasing look.

Approval

NovaVent® White SW is UL & cUL tested and listed to UL1738/S636 Venting Systems for Gas Burning Appliances Category II, III, and IV. File MH18505.

Technical Specifications

Product	NovaVent® Special Gas Vent Systems
Uses	ANSI Category II, III, IV Gas Burning Appliances
Diameters	3, 4 and 5 inch
Fuel	Natural or Propane gas
Pressure	8 inches WC positive pressure
Joining System	Factory installed gaskets in all diameters
Temperature Limits	550°F (288°C) exiting continuous flue gas temperature

Temperature 480°F	Enclosed Horizontal	Enclosed Vertical	Unenclosed Horizontal	Unenclosed Vertical
	8"	4"	1"	1"

For more information go to: www.z-flex.com

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NovaVent® is manufactured by Z-Flex® US, a Novaflex Group Company

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