

**Z-FLEX**<sup>®</sup>  
CHIMNEY & VENTING SOLUTIONS



**NovaVent**<sup>®</sup>  
Dimensional Data

## NovaVent®

*The new vent system designed and engineered for today's competitive sales environment.*

**NovaVent®** is designed and engineered to meet the requirements of gas-fired Category III tankless water heaters, complete with a factory installed gasket joining system and manufactured in 3", 4" and 5" diameters.

**NovaVent®** is produced to the same consistent high quality manufacturing standards that meet the superior performance and increased efficiency of all Z-Flex® products.

### U.S.A.

20 Commerce Park North, Bedford, NH 03110-6911  
tel: 603.669.5136 fax: 603.669.0309

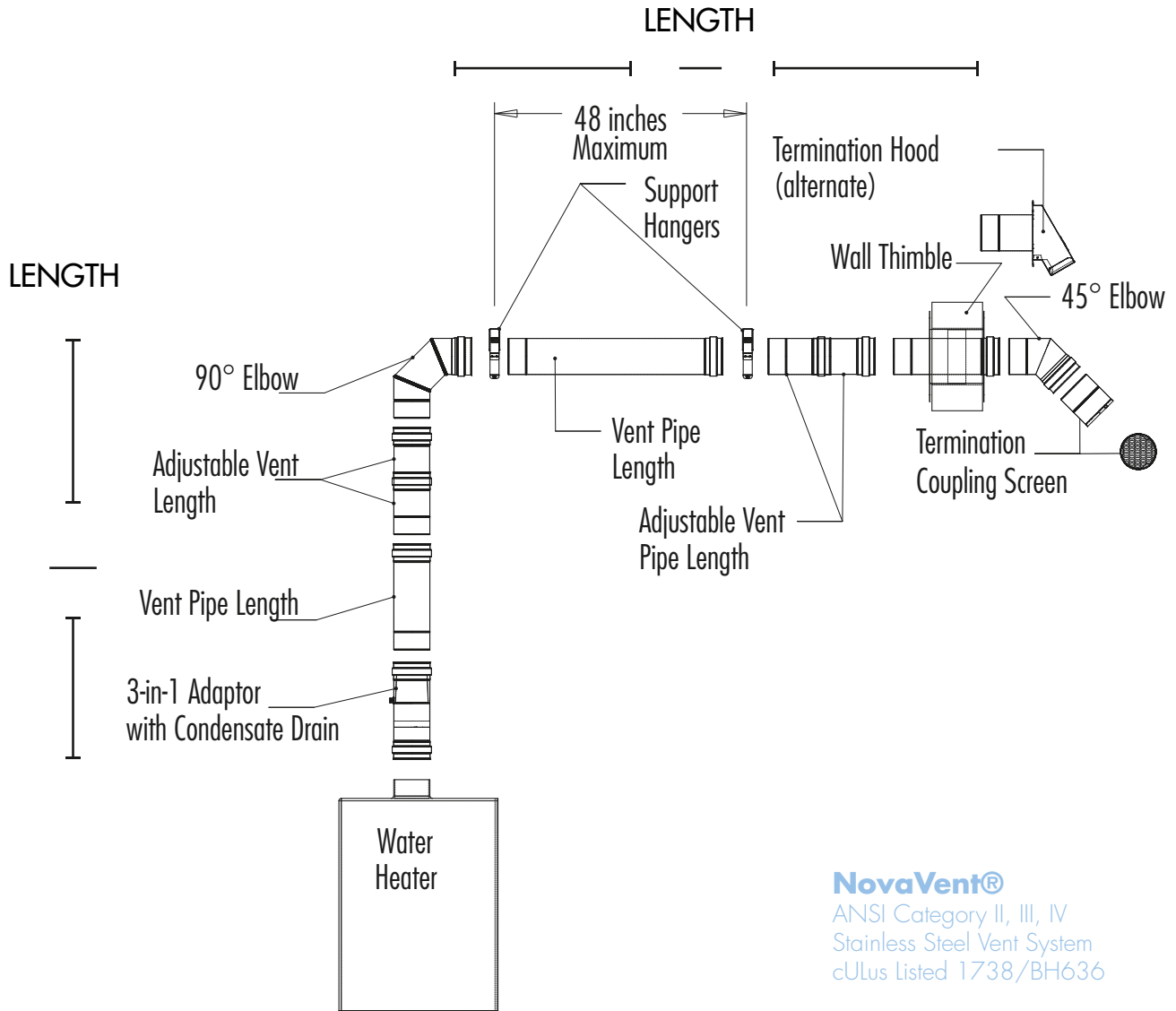
### CANADA

452 Attwell Drive, Etobicoke, ON M9W 5C3  
tel: 416.679.0045 fax: 416.679.0051

**[www.z-flex.com](http://www.z-flex.com) email [sales@z-flex.com](mailto:sales@z-flex.com)**

## Typical Horizontal Sidewall Termination

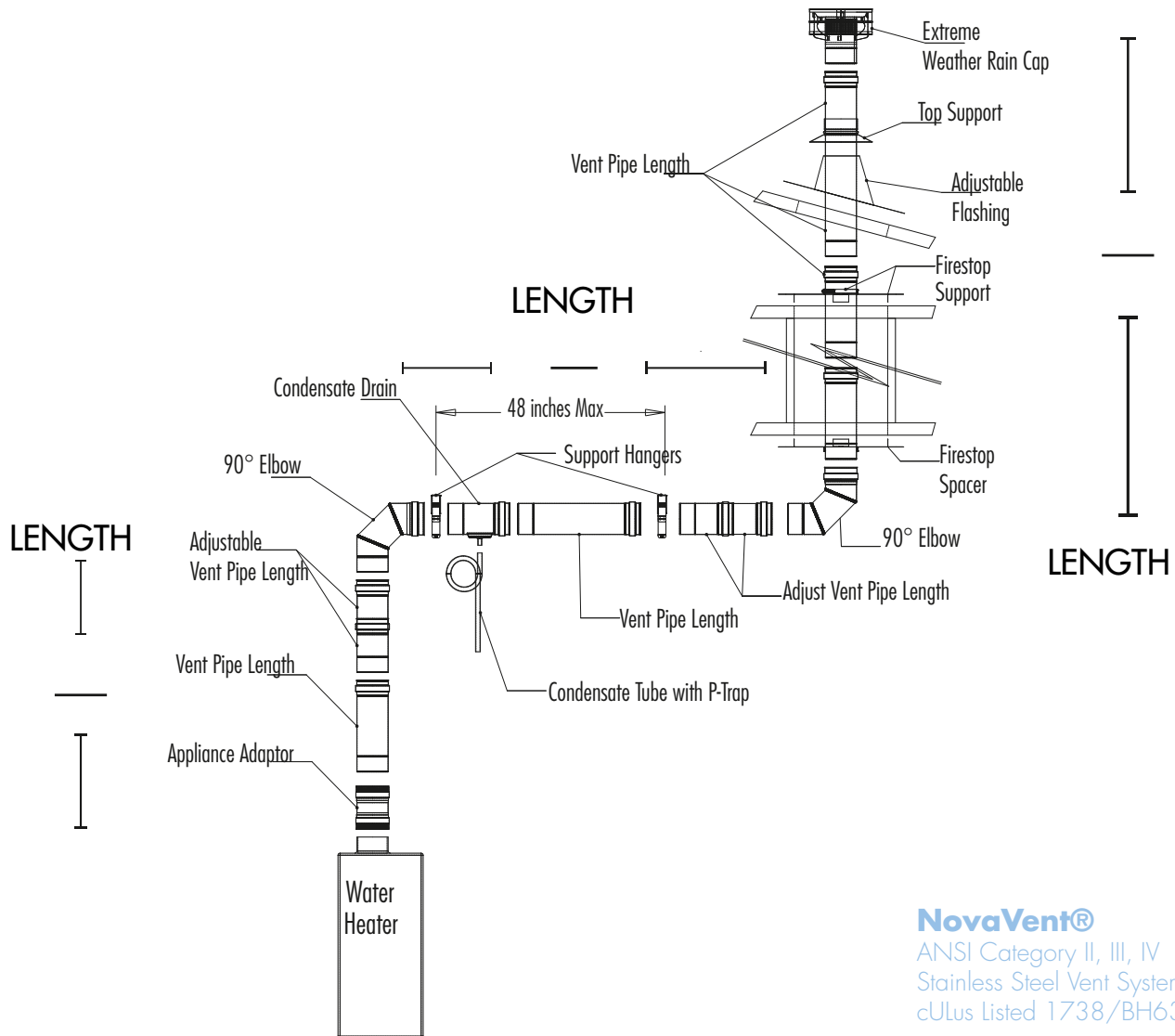
Single-Wall Category II, III & IV UL 1738



**NovaVent®**  
ANSI Category II, III, IV  
Stainless Steel Vent System  
cULus Listed 1738/BH636

1. Slope the horizontal section of the vent system  $\frac{1}{4}$  inch per ft up towards the termination to determine the location for the Wall Thimble installation. Any condensate created in the vent system should drain back towards the installed condensate drain.
2. Support hangers available for 1" unenclosed clearance or for 4" enclosed clearance. Refer to the Clearance Table in the Installation Guide.

# Typical Typical Vertical Through the Roof Termination Single-Wall Category II, III & IV UL 1738

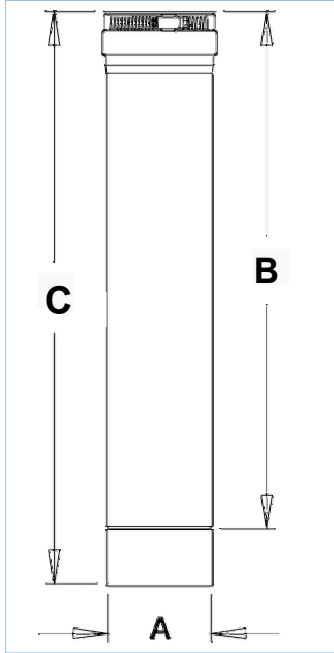


**NovaVent®**  
ANSI Category II, III, IV  
Stainless Steel Vent System  
cULus Listed 1738/BH636

1. Slope the horizontal section of the vent system  $\frac{1}{4}$  inch per ft up towards the termination. Any condensate produced in the vent system should drain back towards the installed condensate drain.
2. Support hangers available for 1" unenclosed clearance or for 4" enclosed clearance. Refer to the Clearance Table in the Installation Guide.

## NovaVent® Pipe

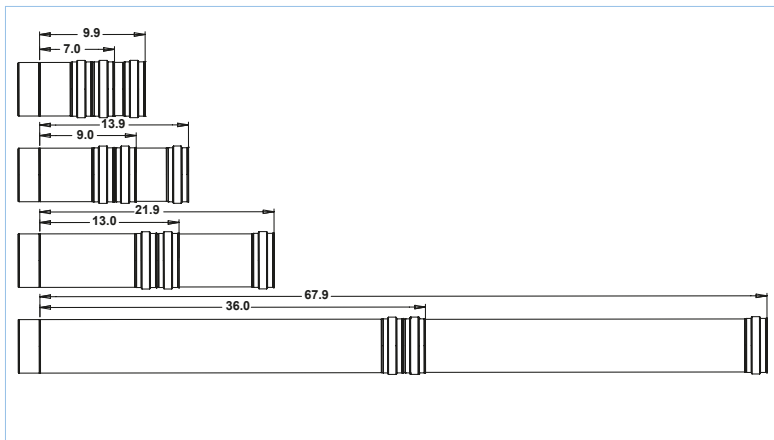
Available in diameters 3", 4", 5" and standard lengths up to 4ft. Pipe can be cut to length. The female end of each component incorporates a *Double Fail Safe™* self sealing gasket. Examine all components to ensure that gasket integrity has remained during shipping. Gaskets must be in proper position or flue gases could leak resulting in carbon monoxide poisoning. The installation shall be in accordance with the manufacturer's installation instructions.



A	B	C	Part Number	Description
3in	3.75	5.75	2NVP3.5	Pipe 3in x 6in
	9.75	11.75	2NVP31	Pipe 3in x 1 ft
	15.75	17.75	2NVP31.5	Pipe 3in x 1.5ft
	21.75	23.75	2NVP32	Pipe 3in x 2ft
	33.75	35.75	2NVP33	Pipe 3in x 3ft
	45.75	47.75	2NVP34	Pipe 3in x 4ft
4in	57.75	59.75	2NVP35	Pipe 3in x 5ft
	3.75	5.75	2NVP4.5	Pipe 4in x 6in
	9.75	11.75	2NVP41	Pipe 4in x 1 ft
	15.75	17.75	2NVP41.5	Pipe 4in x 1.5ft
	21.75	23.75	2NVP42	Pipe 4in x 2ft
	33.75	35.75	2NVP43	Pipe 4in x 3ft
5in	45.75	47.75	2NVP44	Pipe 4in x 4ft
	3.75	5.75	2NVP5.5	Pipe 5in x 6in
	9.75	11.75	2NVP51	Pipe 5in x 1 ft
	15.75	17.75	2NVP51.5	Pipe 5in x 1.5ft
	21.75	23.75	2NVP52	Pipe 5in x 2ft
	33.75	35.75	2NVP53	Pipe 5in x 3ft
45.75	47.75	2NVP54	Pipe 5in x 4ft	

## Two Piece Adjustable Pipe

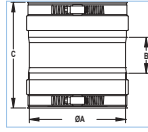
The use of adjustable pipe may be required when the system must be located within extremely tight installation parameters.



Part Number	Description
<b>3" Adjustable Lengths</b>	
2NVALS3	7"-9.9" Adjustable Length
2NVALM3	9"-13.9" Adjustable Length
2NVALL3	13"-21.9" Adjustable Length
<b>4" Adjustable Lengths</b>	
2NVALS4	7"-9.9" Adjustable Length
2NVALM4	9"-13.9" Adjustable Length
2NVALL4	13"-21.9" Adjustable Length
2NVALXL4	36" - 67.9" Adjustable Length
<b>5" Adjustable Lengths</b>	
2NVALS5	7"-9.9" Adjustable Length
2NVALM5	9"-13.9" Adjustable Length
2NVALL5	13"-21.9" Adjustable Length
2NVALXL5	36" - 67.9" Adjustable Length

## Universal Adapter 6in (Double Female)

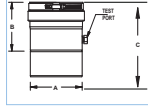
Adapts appliance collar to the pipe.



A	B	C	Part Number	Description
3	2.00	5.50	2NVAFF3	Appliance Adaptor 3 in
4	2.00	5.50	2NVAFF4	Appliance Adaptor 4 in
5	2.00	5.50	2NVAFF5	Appliance Adaptor 5 in

## Pipe with Inspection Port

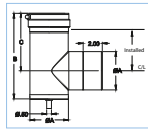
Vent length with test port allows easy access for flue gas analysis.



A	B	C	Part Number	Description
3	3.75	5.75	2NVTP3	Inspection Port Pipe 3 in
4	3.75	5.75	2NVTP4	Inspection Port Pipe 4 in
5	3.75	5.75	2NVTP5	Inspection Port Pipe 5 in

## Vertical Tee with Drain

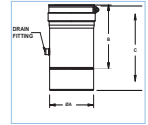
A tee is used to connect horizontal and vertical vent sections



A	B	C	Part Number	Description
3	8.25	5.75	2NVVDT3	Vertical Tee 3 in
4	9.25	6.25	2NVVDT4	Vertical Tee 4 in
5	10.25	6.75	2NVVDT5	Vertical Tee 5 in

## Vertical Drain Pipe

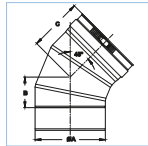
Used to drain condensate from the Vent system. High temperature Drain Tube kit sold separately.



A	B	C	Part Number	Description
3	3.75	5.75	2NVVD3	Vertical Drain Pipe 3"
4	3.75	5.75	2NVVD4	Vertical Drain Pipe 4"
5	3.75	5.75	2NVVD5	Vertical Drain Pipe 5"

## 45° Elbows

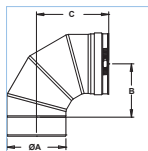
45° elbows are used when a direction change or offset is required.



A	B	C	Part Number	Description
3	1.62	3.37	2NVE345	Elbow 45° X 3 in
4	1.83	3.58	2NVE445	Elbow 45° X 4 in
5	4.16	5.91	2NVE545	Elbow 45° X 5 in

## 90° Elbows

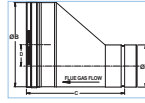
90° elbows are used when a direction change or offset is required.



A	B	C	Part Number	Description
3	4.72	6.18	2NVE390	Elbow 90° X 3 in
4	5.22	6.66	2NVE490	Elbow 90° X 4 in
5	6.63	8.32	2NVE590	Elbow 90° X 5 in

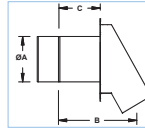
## Eccentric Increaser

Used to upsize a vent system. Recommended for use with horizontal vent runs.



A	B	C	D	Part Number	Description
5	6	12.00	0.50	2NV1	Eccentric Increaser 5 to 6 in
5	7	12.00	1.00	2NV1	Eccentric Increaser 5 to 7 in
5	8	14.00	2.00	2NV1	Eccentric Increaser 5 to 8 in

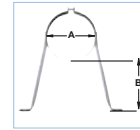
## Termination Hood



A	B	C	Part Number	Description
3	6.75	3.75	2NVTH3	Termination Hood 3 in
4	7.125	3.75	2NVTH4	Termination Hood 4 in
5	7.375	3.75	2NVTH5	Termination Hood 5 in

## Support Strap

Vent supports are used to provide support to the vent system while maintaining proper clearance to combustible materials. As vertical supports are required after any 10ft run. These supports may also be used to support long horizontal runs, which require support every 6ft. Can be used on horizontal and vertical runs.

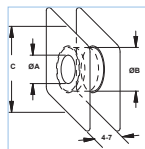


A	B	Part Number	Description
3	1"	2NVSS31	Single Wall Support Strap 3in
4	1"	2NVSS41	Single Wall Support Strap 4in
5	1"	2NVSS51	Single Wall Support Strap 5in

A	B	Part Number	Description
3	4"	2NVSS34	Single Wall Support Strap 3in
4	4"	2NVSS44	Single Wall Support Strap 4in
5	4"	2NVSS45	Single Wall Support Strap 5in

## Wall Thimble

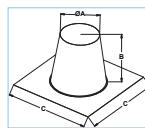
For use when the vent passes through a horizontal opening. Not required for non-combustible walls.



A	B	C	Part Number	Description
3	5.00	10.00	2NVWT3L	Wall Thimble 3 in
4	6.00	10.00	2NVWT4L	Wall Thimble 4 in
5	7.00	12.00	2NVWT5L	Wall Thimble 5 in

## Flashing Flat

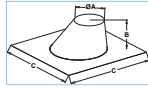
Flat flashing provides weather protection where the vent penetrates the roof or chimney. Use on flat or slightly sloped (5° slope maximum) roofs.



A	B	C	Part Number	Description
3	12	12.50	2NVFF3	Flashing Flat 3 in
4	12	14.00	2NVFF4	Flashing Flat 4 in
5	12	16.00	2NVFF5	Flashing Flat 5 in

## Flashing 0-30°

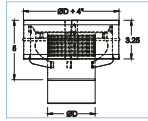
0-30° flashing provides weather protection where the vent penetrates the roof. Use on roofs with a pitch from 5-30°- 0/12-5/12 slope.



A	B	C	Part Number	Description
3	6	16.00	2NVAF3	Flashing 0-30° 3 in
4	6	16.00	2NVAF4	Flashing 0-30° 4 in
5	6	16.00	2NVAF5	Flashing 0-30° 5 in

## Extreme Rain Cap

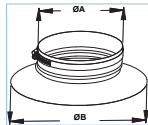
A rain cap is designed to terminate a vertical stack and prevent the entrance of debris or rain into the vent. Includes wind band to prevent draft loss.



A	B	C	Part Number	Description
3	6.00	11.00	2NVWC3	Rain Cap w/wind band 3in
4	6.00	12.75	2NVWC4	Rain Cap w/ wind band 4in
5	7.00	11.00	2NVWC5	Rain Cap w/wind band 5in

## Storm Collar

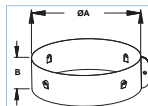
For use in conjunction with flashing to provide weather protection.



A	B	Part Number	Description
3	7.00	2NVSC3	Storm Collar 3 in
4	8.00	2NVSC4	Storm Collar 4 in
5	9.00	2NVSC5	Storm Collar 5 in

## Guy Band

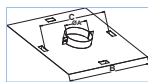
A guy band is used to stabilize the vent above the roof line or where a vent support can not be used. Secure with 4 guy wires (not included).



A	B	Part Number	Description
3	3.00	2NVGB3	Guy Band 3 in
4	3.00	2NVGB4	Guy Band 4 in
5	3.00	2NVGB5	Guy Band 5 in

## Firestop Support

A fire stop is used on vertical systems to provide support and maintain the necessary clearance to combustible materials. (For sizes 5" and up gear clamp comes loose with no gear clamp bracket.)



A	B	C	Part Number	Description
3	19	15	2NVFS3	Fire Stop Support 3in
4	20	16	2NVFS4	Fire Stop Support 4in
5	21	17	2NVFS5	Fire Stop Support 5in