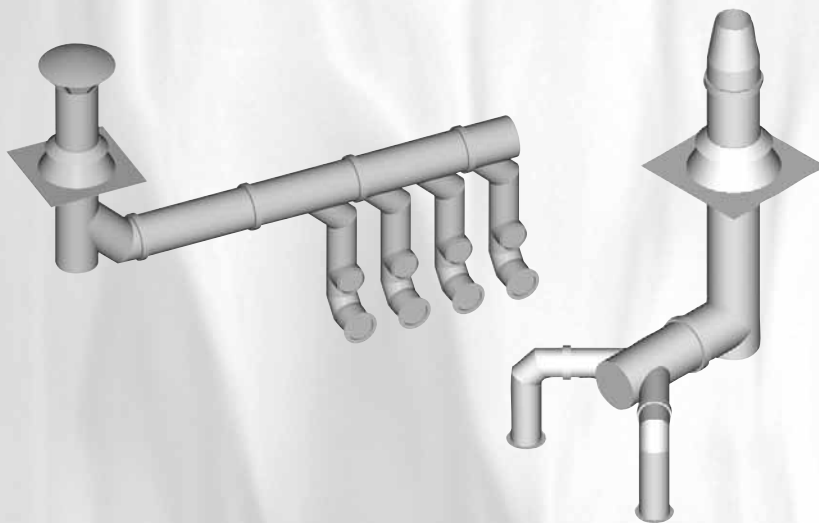


# VIP

## *Industrial & Commercial Pressure Chimney*



[www.icc-rsf.com](http://www.icc-rsf.com)

**Smoke stacks for gas, oil, diesel 6" to 48"**

# PRODUCT DESCRIPTION

## APPLICATION

Model VIP chimney is a factory-built chimney suitable to vent forced draft and negative or neutral draft appliances including low and high pressure steam boilers, building heating equipment, industrial furnaces, kilns, hoods and ovens. Model VIP chimneys are also suitable for use as exhaust systems for diesel engines and gas turbines. They are designed to provide a complete venting system while operating under positive forced draft, negative or neutral pressure conditions.

Model VIP has been designed and tested for applications having flue gas temperatures of 1000° F and lower. The clearance to combustibles varies with the maximum operating temperature. The maximum allowable continuous flue gas temperature is 1400° F (760° C).

## CONSTRUCTION

Model VIP is a double wall insulated chimney. It incorporates a graphite pressure seal on the inner lining and a silicone pressure seal on the outer casing. VIP is light weight and easy to install.

The chimney flue and casing are available in a variety of materials and thicknesses to suit various fuels and applications. The standard product incorporates 1" of high temperature, high density insulation and is suitable for most applications in this form. For specific applications requiring additional insulation Model VIP is available with either 2" or 4" of insulation as required. We recommend the use of Stainless Steel chimney lengths for all exterior or corrosive environments.

## INSTALLATION

Model VIP can be installed (unenclosed) adjacent to combustible building material at the clearances specified in the Technical Specifications and on the ULC or UL labels. Model VIP is suitable for interior or exterior applications. It can be installed in a noncombustible chase. The Fire Rating of the chase is determined by the local Building Code, typically a one hour fire rated chase is acceptable.

## PRODUCT

The VIP system consists of a wide range of prefabricated modular components specifically engineered to simplify on-site installation. Special parts, materials or material thicknesses are available upon request.

## ENGINEERING

ICC Engineers will analyze your schematic drawings and appliance data using custom written computer software to determine the correct sizing and recommend materials for your application. ICC will also provide a component parts list and detailed drawings on request. A convenient information form is provided on page 11 of this brochure to facilitate your inquiry. Simply fill it out and fax it to us.

## WARRANTY

The VIP chimney is covered by either a one (1) or ten (10) year warranty. See warranty on page 8 for details.

# PRODUCT FEATURES

## DESIGN

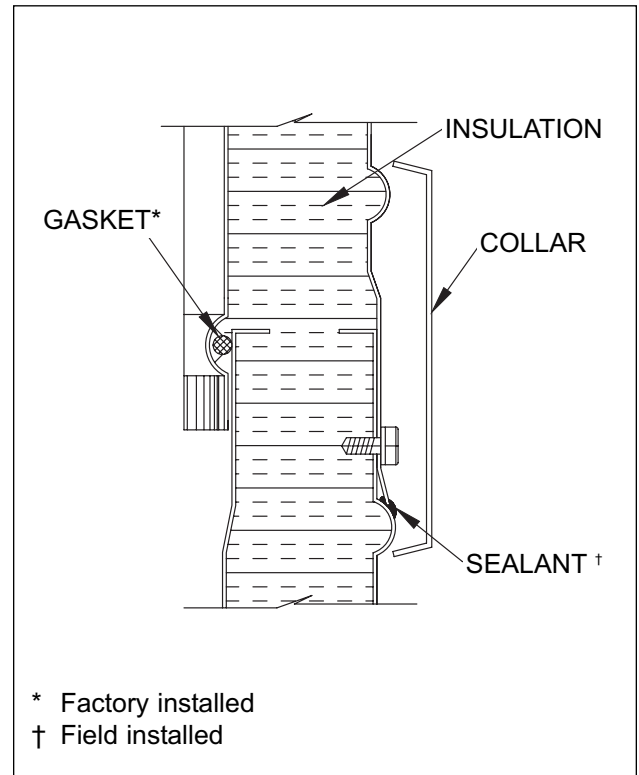
Model VIP features a continuous seam welded inner flue of Type 304 or 316 stainless steel.

The outer casing is available in Galvalume, Type 304 or 316 stainless steel.

Model VIP has been designed with an innovative pressure sealing system which includes a graphite gasket on the inner flue in combination with a silicone seal on the outer casing. The graphite gasket is factory installed.

Model VIP's design allows each flue section to expand and contract independently eliminating the need for expansion joints. This approach provides for much greater flexibility in support installation since the supports are fastened directly to the outer casing. As a result, VIP installations are simpler to design, simpler to install and less expensive than competitive products.

Model VIP incorporates 1" of high temperature blanket insulation into every flue component. This insulation improves draft and lowers outside skin temperatures. By fully insulating all chimney components, we reduce service area temperatures as well as reducing clearance, condensation and stack noise levels. Model VIP is also available with either 2" or 4" of insulation if it is considered necessary for a specific application.



## INSTALLATION

There are many reasons why VIP is the easiest pressure chimney system to install:

VIP is supported from the outer casing so supports can be installed in the most suitable location, not only at joints.

With very low clearance to combustibles and zero clearance to non-combustibles, VIP takes up less room than similar products.

VIP does not require a ventilated roof thimble, a lightweight radiation shield is sufficient.

There are no expansion joints required with VIP.

VIP is the lightest weight product of its kind.

# TECHNICAL SPECIFICATIONS

## MATERIALS

Flue / Casing 304/304 - 304/Galvalume - 316/304 - 316/316

INSULATION HIGH TEMPERATURE MINERAL WOOL

## ALLOWABLE GAS TEMPERATURE

Maximum Continuous	1000°F (540° C)	1400°F (760° C)
Brief Force Firing	1400°F (760° C)	1700°F (927° C)
Tested to	1700°F (927° C)	1800°F (980° C)

## LISTING

### CANADA



**CHIMNEY SIZE 6" - 48"**  
 O. R. DOCUMENT ULC-C-959-RD-87  
 ULC LISTING # CMH 1428  
 VIP is pressure tested to the Canadian RD  
 S657 Industrial Chimney Standard.

### USA



**USA CHIMNEY SIZE 6" - 36"**  
 STANDARD UL-103  
 UL-LISTING # MH-16722  
 VIP is listed to the UL 103 Standard.  
 It is not pressure listed to UL 103.

CHIMNEY SIZE	(in)	6	8	10	12	14	16	18	20	22	24	26
<b>OUTSIDE DIAMETER</b> (S.S. 304 / S.S. 304)	(in)	8	10	12	14	16	18	20	22	24	26	28
<b>WEIGHT</b>	(lb/ft)	4,3	5,5	6,5	7,5	8,8	11	13,8	15	16,5	17,8	19,3
<b>MATERIAL THICKNESS</b>	flue (in)	0,018	0,018	0,018	0,018	0,018	0,018	0,025	0,025	0,025	0,025	0,025
	casing (in)	0,018	0,018	0,018	0,018	0,018	0,025	0,025	0,025	0,025	0,025	0,025
<b>MAXIMUM HEIGHT</b>												
SUPPORT (PSU,SB)	(ft)	186	146	120	102	89	78	70	64	58	53	49
WALL SUPPORT (SW)	(ft)	150	118	97	82	72	63	57	51	47	43	40
INSULATED TEE (PTI)	(ft)	82	65	53	45	39	35	31	28	26	23	22
<b>MINIMUM HOLE SIZE</b>												
<b>NON COMBUSTIBLES</b>	(in)	9	11	13	15	17	19	21	23	25	27	29
<b>COMBUSTIBLES</b>												
<b>1000° F FLUE GAS</b>												
CLEARANCE	(in)	2	2	2	2	2	2	2	2	2	4	5
HOLE SIZE	(in)	12	14	16	18	20	22	24	26	28	32	38
<b>1400° F FLUE GAS</b>												
CLEARANCE	(in)	2	2	2	2	4	5	6	6	7	7	7
HOLE SIZE	(in)	12	14	16	18	24	28	32	34	38	40	42
CHIMNEY SIZE	(in)	28	30	32	34	36	38	40	42	44	46	48
<b>OUTSIDE DIAMETER</b> (S.S. 304 / S.S. 304)	(in)	30	32	34	36	38	40	42	44	46	48	50
<b>WEIGHT</b>	(lb/ft)	20,5	29	30,8	32,9	34,7	36,6	38,4	40,3	42,2	44	46
<b>MATERIAL THICKNESS</b>	flue (in)	0,025	0,035	0,035	0,035	0,035	0,035	0,035	0,035	0,035	0,035	0,035
	casing (in)	0,025	0,035	0,035	0,035	0,035	0,035	0,035	0,035	0,035	0,035	0,035
<b>MAXIMUM HEIGHT</b>												
BASE SUPPORT	(ft)	46	43	40	38	36	34	33	31	30	28	27
WALL SUPPORT	(ft)	37	35	33	31	29	28	26	25	24	23	22
INSULATED TEE	(ft)	20	19	18	17	16	15	14	13	13	12	12
<b>MINIMUM HOLE SIZE</b>												
<b>NON COMBUSTIBLES</b>	(in)	31	33	35	37	39	41	43	45	47	49	51
<b>COMBUSTIBLES</b>												
<b>1000° F FLUE GAS</b>												
CLEARANCE	(in)	5	6	6	7	7	8	8	8	8	8	8
HOLE SIZE	(in)	40	44	46	50	52	56	58	60	62	64	66
<b>1400° F FLUE GAS</b>												
CLEARANCE	(in)	7	7	7	7	7	8	8	8	8	8	8
HOLE SIZE	(in)	44	46	48	50	52	56	58	60	62	64	66

# INSULATED COMPONENTS

## CHIMNEY LENGTHS (L)

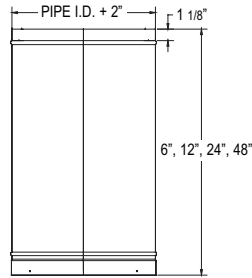
The lengths are available in sizes from 6" to 48" I.D. and in lengths of 12", 24" & 48".

The standard materials are:  
Casing - Stainless steel Type 304  
Flue - Stainless steel Type 304

Other materials are available on request.

Flow Resistance

$$K = \frac{0.3L \text{ (ft)}}{D \text{ (in)}}$$



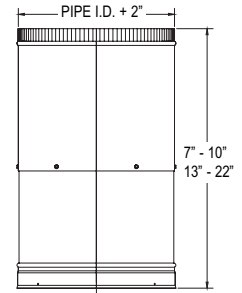
## ADJUSTABLE LENGTHS (LA1, LA2)

There are two adjustable lengths available. They can be used between elbows or where ever an odd length is required.

Cat. No.	Length (in)
LA1	7" - 10"
LA2	13" - 22"

Flow Resistance

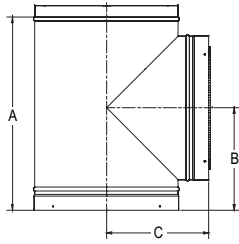
$$K = \frac{0.3L \text{ (ft)}}{D \text{ (in)}}$$



## INSULATED TEE (TR)

Designed to connect horizontal and vertical sections of the chimney. Specify the required side inlet size. Use a tee cap (TC.ITD) to close the unused opening.

Flow Resistance  $K = 1.25$

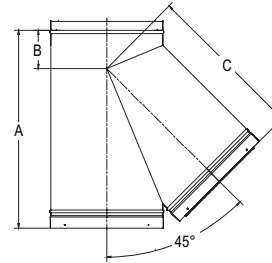


PIPE I.D.	DIM. A	DIM. B	DIM. C
6"	12 5/8"	6 3/4"	7"
8"	14 5/8"	7 3/4"	8"
10"	16 5/8"	8 3/4"	9"
12"	18 5/8"	9 3/4"	10"
14"	20 5/8"	10 3/4"	11"
16"	22 5/8"	11 3/4"	12"
18"	24 5/8"	12 3/4"	13"
20"	26 5/8"	13 3/4"	14"
22"	28 5/8"	14 3/4"	15"
24"	30 5/8"	15 3/4"	16"
26"	32 5/8"	16 3/4"	17"
28"	34 5/8"	17 3/4"	18"
30"	36 5/8"	18 3/4"	20"
32"	38 5/8"	19 3/4"	21"
34"	40 5/8"	20 3/4"	22"
36"	42 5/8"	21 3/4"	23"
38"	44 5/8"	22 3/4"	24"
40"	46 5/8"	23 3/4"	25"
42"	48 5/8"	24 3/4"	26"
44"	50 5/8"	25 3/4"	27"
46"	52 5/8"	26 3/4"	29"
48"	54 5/8"	27 3/4"	29"

## 45 LATERAL TEE (TY)

Provides a low flow resistance entry to the chimney. For smaller side inlet sizes, use step (SI) or taper (IT) increasers.

Flow Resistance  $K = 0.40$

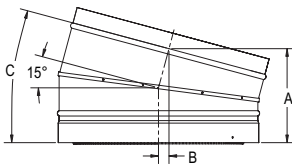


PIPE I.D.	DIM. A	DIM. B	DIM. C
6"	16"	3 1/4"	12 1/2"
8"	18 3/4"	3 3/4"	15"
10"	21 1/2"	4 1/4"	17 1/2"
12"	24 1/4"	4 3/4"	20"
14"	27 1/8"	5 1/4"	22 1/2"
16"	30"	5 3/4"	25"
18"	32 3/4"	6 1/4"	27"
20"	35 3/8"	6 3/4"	29 1/2"
22"	38 1/4"	6 3/4"	32"
24"	41 1/2"	7 1/4"	34 1/2"
26"	44 1/8"	7 3/4"	37"
28"	46 1/2"	8 1/4"	39"
30"	50"	8 3/4"	41 1/2"
32"	53"	8 3/4"	44"
34"	55 3/4"	9 1/4"	46 1/2"
36"	58 1/2"	9 3/4"	49"
38"	61 3/8"	10 1/4"	51 1/2"
40"	64 1/4"	10 3/4"	54"
42"	67"	10 3/4"	56"
44"	69 7/8"	11 1/4"	58 1/2"
46"	72 3/4"	11 3/4"	61"
48"	75 1/2"	12 1/4"	63 1/2"

## ELBOWS E15, E22.5, E30, E45

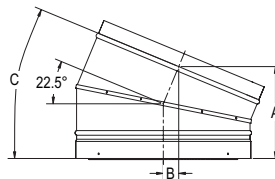
Used when a directional change is required.

Flow Resistance **E15**  $K = 0.10$     **E22.5**  $K = 0.12$     **E30**  $K = 0.15$     **E45**  $K = 0.30$   
C = length along centerline of elbow



**E15**

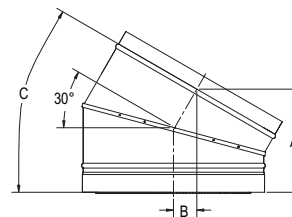
PIPE I.D.	DIM. A	DIM. B	DIM. C
6"	5 5/8"	1/2"	5 5/8"
8"	5 7/8"	1/2"	6"
10"	6 1/8"	5/8"	6 1/4"
12"	6 3/8"	5/8"	6 1/2"
14"	6 5/8"	5/8"	6 3/4"
16"	6 7/8"	3/4"	7"
18"	7 1/8"	3/4"	7 1/4"
20"	7 3/8"	3/4"	7 1/2"
22"	7 5/8"	3/4"	7 3/4"
24"	7 3/4"	3/4"	7 3/4"
26"	8"	7/8"	8"
28"	8 1/4"	7/8"	8 3/8"
30"	8 1/2"	7/8"	8 5/8"
32"	8 3/4"	7/8"	8 7/8"
34"	9"	1"	9 1/8"
36"	9 1/4"	1"	9 3/8"
38"	9 1/2"	1"	9 5/8"
40"	9 3/4"	1 1/8"	9 7/8"
42"	10"	1 1/8"	10 1/8"
44"	10 1/4"	1 1/8"	10 3/8"
46"	10 1/2"	1 1/8"	10 3/4"
48"	10 3/4"	1 1/4"	11"



**E22.5**

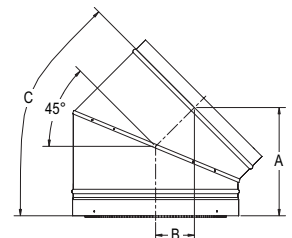
PIPE I.D.	DIM. A	DIM. B	DIM. C
24"	9 1/4"	1 1/2"	9 1/2"
26"	9 5/8"	1 5/8"	10"
28"	10"	1 5/8"	10 3/8"
30"	10 3/8"	1 3/4"	10 3/4"
32"	10 3/4"	1 7/8"	11 1/8"
34"	11 1/8"	1 7/8"	11 1/2"
36"	11 1/2"	2"	11 7/8"
38"	11 7/8"	2"	12 3/8"
40"	12 1/4"	2 1/8"	12 3/4"
42"	12 3/4"	2 1/4"	13 1/8"
44"	13 1/8"	2 1/4"	13 1/2"
46"	13 1/2"	2 3/8"	13 7/8"
48"	13 7/8"	2 3/8"	14 3/8"

**E45**  $K = 0.30$



**E30**

PIPE I.D.	DIM. A	DIM. B	DIM. C
6"	6 3/8"	1 1/4"	6 3/4"
8"	6 7/8"	1 3/8"	7 1/4"
10"	7 3/8"	1 1/2"	7 7/8"
12"	7 7/8"	1 3/4"	8 3/8"
14"	8 3/8"	1 7/8"	8 7/8"
16"	8 7/8"	2"	9 1/2"
18"	9 3/8"	2 1/8"	10"
20"	9 7/8"	2 1/4"	10 1/2"
22"	10 3/8"	2 3/8"	11"
24"	10 3/4"	2 3/8"	11 3/8"
26"	11 1/4"	2 5/8"	11 7/8"
28"	11 3/4"	2 3/4"	12 3/8"
30"	12 1/4"	2 7/8"	13"
32"	12 3/4"	3"	13 1/2"
34"	13 1/4"	3 1/8"	14"
36"	13 3/4"	3 1/4"	14 1/2"
38"	14 1/4"	3 3/8"	15 1/8"
40"	14 3/4"	3 1/2"	15 5/8"
42"	15 1/4"	3 5/8"	16 1/8"
44"	15 3/4"	3 3/4"	16 3/4"
46"	16 1/4"	3 7/8"	17 1/4"
48"	16 3/4"	4"	17 3/4"



**E45**

PIPE I.D.	DIM. A	DIM. B	DIM. C
6"	7"	2 1/4"	8"
8"	7 3/4"	2 1/2"	8 3/4"
10"	8 3/8"	2 7/8"	9 5/8"
12"	9 1/8"	3 1/8"	10 3/8"
14"	9 7/8"	3 3/8"	11 1/4"
16"	10 1/2"	3 3/4"	12 1/8"
18"	11 1/4"	4"	12 7/8"
20"	12"	4 1/4"	13 3/4"
22"	12 5/8"	4 5/8"	14 5/8"
24"	17 1/4"	6 1/2"	19 1/8"
26"	17 7/8"	6 3/4"	19 7/8"
28"	18 5/8"	7"	20 5/8"
30"	19 3/8"	7 3/8"	21 1/2"
32"	20"	7 5/8"	22 1/4"
34"	20 3/4"	7 7/8"	23 1/8"
36"	21 1/2"	8 1/4"	23 7/8"
38"	22 1/8"	8 1/2"	24 5/8"
40"	22 7/8"	8 3/4"	25 1/2"
42"	23 5/8"	9 1/8"	26 1/4"
44"	24 1/4"	9 3/8"	27"
46"	25"	9 5/8"	27 7/8"
48"	25 3/4"	10"	28 5/8"

# FLUE COMPONENTS

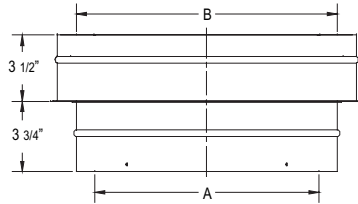
## STEP INCREASER (SI)

Used when a change in chimney size is required.

Specify small and large I.D.'s and flow direction.

Flow Resistance

$$K = (1 - (\text{small I.D.} / \text{large I.D.})^2) / 2$$



## TAPER REDUCER (RT) & INCREASER (IT)

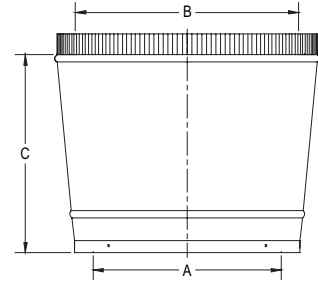
Used when a change in chimney size is required.

Provides low flow resistance.

Specify small and large I.D.'s and flow direction.

Flow Resistance

$$K = 0.5 (1 - (\text{small I.D.} / \text{large I.D.})^2) / 2$$



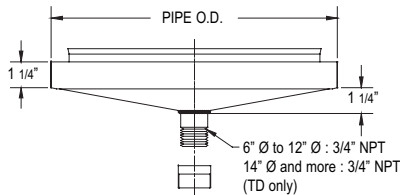
DIM. B-A	DIM. C
2"	10 5/8"
4"	16 5/8"
6"	22 5/8"

## TEE CAP REGULAR (TC) & DRAIN (TD)

Used to close an unused tee opening.

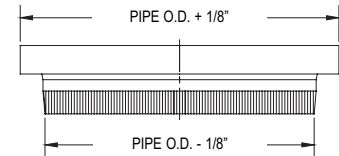
The drain tee cap (TD) is required at the bottom of a vertical chimney terminated using an exit cone (EC).

The regular tee cap (TC) is normally used when a rain cap (RC) terminates the chimney.



## FLUE EXTENSION (EX)

Designed to be attached to a tee or to the bottom of a chimney length to facilitate the attachment of single wall piping.

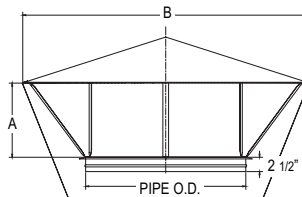
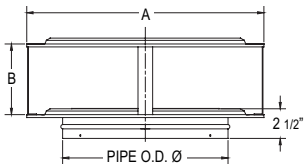


## RAIN CAP (RC)

Designed to terminate a chimney. Minimizes entrance of rain.

Provides low flow resistance.

Flow Resistance  $K = 0.5$



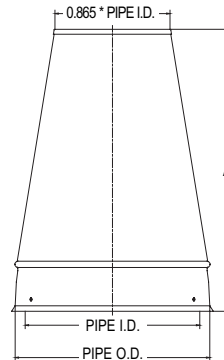
PIPE I.D.	DIM. A	DIM. B
6" to 8"	4"	13"
10"	5"	17"
12"	6"	20 1/4"
14"	7"	23 3/4"
16"	8"	27 1/4"
18"	9"	30 5/8"
20"	10"	34"
22"	11"	37 3/8"
24"	12"	40 3/4"

PIPE I.D.	DIM. A	DIM. B
26"	13"	50 1/16"
28"	14"	53 7/8"
30"	15"	57 5/8"
32"	16"	61 7/16"
34"	17"	64 1/4"
36"	18"	69 1/16"
38"	19"	72 7/8"
40"	20"	76 5/8"
42"	21"	80 7/16"
44"	22"	84 1/4"
46"	23"	88 1/16"
48"	24"	91 7/8"

## EXIT CONE (EC)

Designed to increase the exit stack velocity by 50%. Requires the use of a drain tee cap (TD) at the bottom of the chimney.

Flow Resistance  $K = 1.25$



PIPE I.D.	DIM. A	0.8165 * PIPE I.D.
6"	17 3/4"	4 7/8"
8"	17 3/4"	6 1/2"
10"	17 3/4"	8 1/8"
12"	17 3/4"	9 3/4"
14"	17 3/4"	11 1/2"
16"	17 3/4"	13"
18"	17 3/4"	14 3/4"
20"	17 3/4"	16 3/4"
22"	17 3/4"	6 3/8"
24"	20 1/4"	18"
26"	21 1/4"	19 1/2"
28"	22 1/2"	21 1/4"
30"	23 1/2"	24 1/2"
32"	24 1/2"	26 1/8"
34"	25 1/2"	27 3/4"
36"	26 1/2"	29 3/8"
38"	27 1/2"	31"
40"	28 1/2"	32 5/8"
42"	29 1/2"	34 1/4"
44"	30 1/2"	35 7/8"
46"	31 1/2"	37 1/2"
48"	32 1/2"	39 1/4"

# SUPPORTS / PENETRATIONS

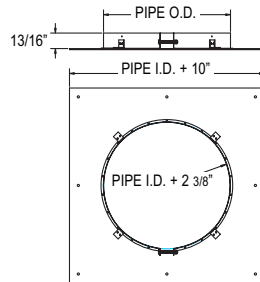
## BASE SUPPORT (BS)

Designed to support the chimney from a floor or roof.

It may be used as a supplementary support when the height exceeds that of the primary support.

The support attaches to the chimney casing.

See technical specifications for maximum supported chimney height and floor hole size.

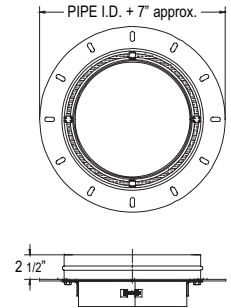


## UNIVERSAL ADAPTOR PLATE (AP)

Used to attach the chimney directly to the boiler or generator.

The maximum supported height is the lesser of: the maximum allowable weight that the appliance can support or the height specified in our technical specifications.

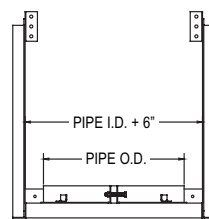
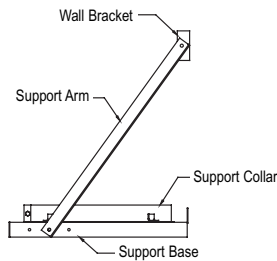
Custom plate sizes and hole patterns are available upon request.



## WALL SUPPORT (WS)

Designed to support a chimney on a wall.

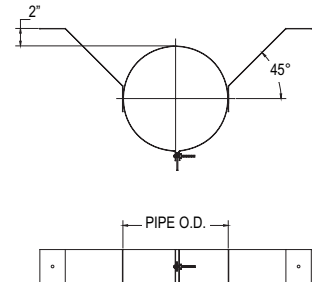
See technical specifications for maximum supported chimney height.



## WALL BAND (WB)

Used on a vertical or horizontal runs of chimney to stabilize the chimney.

The recommended maximum distance between wall bands is 10'.

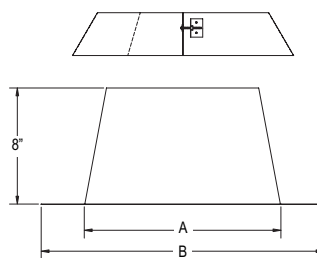


## ROOF FLASHING (FF, FA, FB, FC)

Used to provide weather protection where the chimney penetrates the roof.

Three models are available to accommodate various roof pitches.

The storm collar (SC) is included.



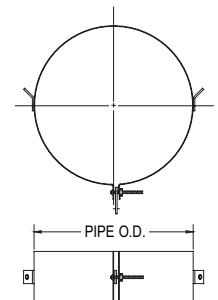
PIPE I.D.	DIM. A	DIM. B
6"	14"	24"
8"	16"	26"
10"	18"	28"
12"	20"	30"
14"	22"	32"
16"	24"	34"
18"	26"	36"
20"	28"	38"
22"	30"	40"
24"	32"	42"
26"	34"	44"
28"	36"	46"
30"	38"	48"
32"	40"	50"
34"	42"	52"
36"	44"	54"
38"	46"	56"
40"	48"	58"
42"	50"	60"
44"	52"	62"
46"	54"	64"
48"	56"	66"

## GUY BAND (GB)

Designed to stabilize the chimney above the roof line.

The maximum unguyed chimney height above the roof is 5'.

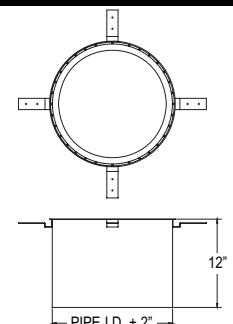
The maximum guyed chimney height above the roof is 20'. May be used to replace wall bands where their installation is difficult.



## RADIATION SHIELD (RS)

Used when the chimney passes through a combustible floor or roof.

Requires the same hole size as the supports, see technical specifications.



# **LIMITED WARRANTY**

## **LIMITED TEN YEAR WARRANTY**

ICC warrants its Model VIP chimney to be free of defects in materials and workmanship for a period of ten years from the date of purchase from ICC. This ten year warranty will only apply to systems which meet the following criteria:

The complete system must have been designed and sized by ICC engineers and all pertinent design and operating parameters of the system must have been accurately represented to ICC.

The entire chimney system, including breeching as required, must have been supplied by ICC Systems partially supplied by ICC do not qualify under this warranty.

The system must be installed in accordance with the installation instructions provided.

Proper precautions have been taken to insure that the combustion air is free of solvent or refrigerant vapours as well as any compounds which may cause acid condensates to form.

All exposed galvalume, galvanized, or steel surfaces must be protected at all times by a minimum of one base coat of primer and one finish coat of heat resistant and corrosion resistant paint. Stainless steel surfaces need not be primed or painted.

## **LIMITED ONE YEAR WARRANTY**

ICC warrants its Model VIP chimney to be free of defects in materials and workmanship for a period of one year from the date of purchase from ICC.

This warranty is conditional upon correct installation and intended use of this product. The intended use of the Model VIP chimney does not include venting of chlorides or condensing flue gases or flue gases exceeding 1400° F.

## **WARRANTY STIPULATIONS**

Remedies under the one year and ten year warranties are strictly limited to repairing or replacing, at ICC's option, any components which are determined by ICC to be defective. The warranties do not cover any labour costs or freight charges. Any parts returned to ICC under terms of the warranties must be returned freight prepaid.

ICC shall not be liable for incidental or consequential damages of any kind or for any damages resulting in whole or in part from misuse, improper installation, or inadequate maintenance of the system. In no event shall ICC be liable for any costs of installation, removal or replacement. No agent is authorized to make any modifications to this warranty or offer any additional warranties of any kind on behalf of ICC.

In all cases the system must be examined by a factory authorized representative in order to determine liability under this warranty.

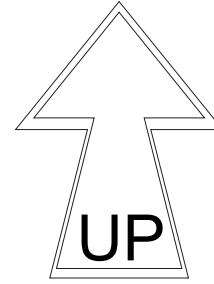




UNDERWRITERS' LABORATORIES OF CANADA  
LISTED  
FACTORY BUILT CHIMNEY  
(Industrial type - 540° & 760°C)  
MODEL VIP

FOR CONNECTION TO OIL OR GAS FIRED INDUSTRIAL APPLIANCES NORMALLY PRODUCING FLUE GAS TEMPERATURES OF 540°C OR 760°C OR LESS.  
SUITABLE FOR INTERIOR OR EXTERIOR INSTALLATIONS. MINIMUM CLEARANCE (AIR SPACE) TO COMBUSTIBLE MATERIAL AND BUILDING INSULATION.

CHIMNEY I.D. (In)	CONTINUOUS TEMPERATURE	
	540°C	760°C
6"-12"	2"	2"
14"	2"	4"
16"	2"	5"
18"-20"	2"	6"
22"	2"	7"
24"	4"	7"
26"-28"	5"	7"
30"-32"	6"	7"
34"-36"	7"	7"
38"-48"	8"	8"



MADE IN CANADA

CAUTION  
DO NOT ENCLOSE WITH COMBUSTIBLE MATERIALS.  
INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS

ICC INDUSTRIAL CHIMNEY COMPANY INC.  
ST.JEROME, QUEBEC, CANADA

CATALOGUE NUMBER



BUILDING HEATING APPLIANCE CHIMNEY PART - also listed  
1400 DEGREE FAHRENHEIT CHIMNEY PART

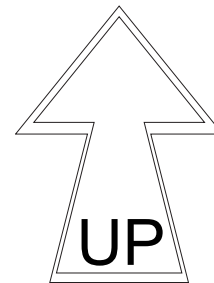
MODEL VIP

3L72 LISTED

INSTALL AND USE ONLY IN ACCORDANCE WITH INDUSTRIAL CHIMNEY COMPANY INC.  
INSTALLATION AND MAINTENANCE INSTRUCTIONS.

MINIMUM CLEARANCE (AIR SPACE) TO COMBUSTIBLE MATERIAL AND BUILDING INSULATION.

CHIMNEY I.D. (In)	CONTINUOUS TEMPERATURE	
	1000°F	1400°F
6"-12"	2"	2"
14"	2"	4"
16"	2"	5"
18"-20"	2"	6"
22"	2"	7"
24"	4"	7"
26"-28"	5"	7"
30"-32"	6"	7"
34"-36"	7"	7"



MADE IN CANADA

CAUTION  
RISK OF FIRE. DO NOT ENCLOSE WITH COMBUSTIBLE MATERIALS. BUILDING HEATING APPLIANCE CHIMNEY FOR INSTALLATION AS REQUIRED FOR SINGLE WALL METAL CHIMNEYS (SMOKE STACKS).

ICC INDUSTRIAL CHIMNEY COMPANY INC.  
ST.JEROME, QUEBEC, CANADA

CATALOGUE NUMBER

# **SAMPLE SPECIFICATION**

The factory-built chimney and breeching, including all system components, shall be laboratory tested and listed by Underwriters Laboratories or Underwriters Laboratories of Canada. The system shall be listed for use with building heating equipment burning gas or liquid fuels generating continuous temperatures not exceeding 1400°F and not exceeding 1700°F on an intermittent basis.

The system shall be designed and installed to be gas tight. The flue system must be designed to compensate internally for all flue gas related thermal expansion and shall not require the use of independent expansion joints. The primary gas seal shall consist of a graphite gasket factory installed on the inner flue. The chimney shall have a minimum of one inch of high temperature insulation between the inner flue and the outer casing. The minimum clearance to combustibles shall be \_\_\_\_ inches.

*(Note to specifier: See the accompanying technical specifications to determine the specific clearance required for the size and operating temperature of the chimney you are specifying.)*

The inner flue of the chimney shall be fabricated from Type 304 stainless steel for gas and #2 fuel oil and Type 316 stainless steel for #4, #5, #6 oil or coal. The outer wall shall be fabricated from galvalume, aluminized or stainless steel. All exterior parts which are not stainless steel shall be coated by the installer with one base coat and one finish coat of heat resistant rust paint.

*(Note to specifier: A stainless steel outer casing is strongly recommended where routine exterior painting is impractical or where the exterior components are exposed to a corrosive atmosphere.)*

All materials for the system, from the appliance to the termination, must be supplied according to the manufacturer's UL or ULC approved installation instructions. All installation and construction work related to the chimney must be in accordance with the manufacturer's installation instructions.

Specification requirements shall be met by using ICC Model VIP chimney as manufactured by the Industrial Chimney Company. Equivalent bids must specify the manufacturer, model, UL or ULC listing, and all other related information required to determine that the alternate is in compliance with this specification.

# INFORMATION/QUOTATION REQUEST

ICC fax # (450) 565-6519

## CUSTOMER

COMPANY NAME : \_\_\_\_\_ BRANCH : \_\_\_\_\_

PHONE # : \_\_\_\_\_ FAX : \_\_\_\_\_

QUOTE REQUIRED BY : \_\_\_\_\_ CONTACT : \_\_\_\_\_

JOB NAME : \_\_\_\_\_ CLOSING DATE : \_\_\_\_\_

## TECHNICAL

APPLIANCE :  BOILER  GENERATOR  OTHER \_\_\_\_\_

FLUE MATERIAL : \_\_\_\_\_ CASING MATERIAL : \_\_\_\_\_

NATURAL DRAFT  PRESSURE SIZE \_\_\_\_\_

## COMMENTS & DRAWINGS :

# **DISTRIBUTED BY:**

## **SALES OFFICE (USA):**

**WESTERN USA:**     **Lloyd F. Pugh & Associates**  
P.O. Box 127  
Mercer Island, Washington, 98040  
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Fax: (206) 232-6212  
1-800-232-2552

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Web Site: [www.icc-rsf.com](http://www.icc-rsf.com)

