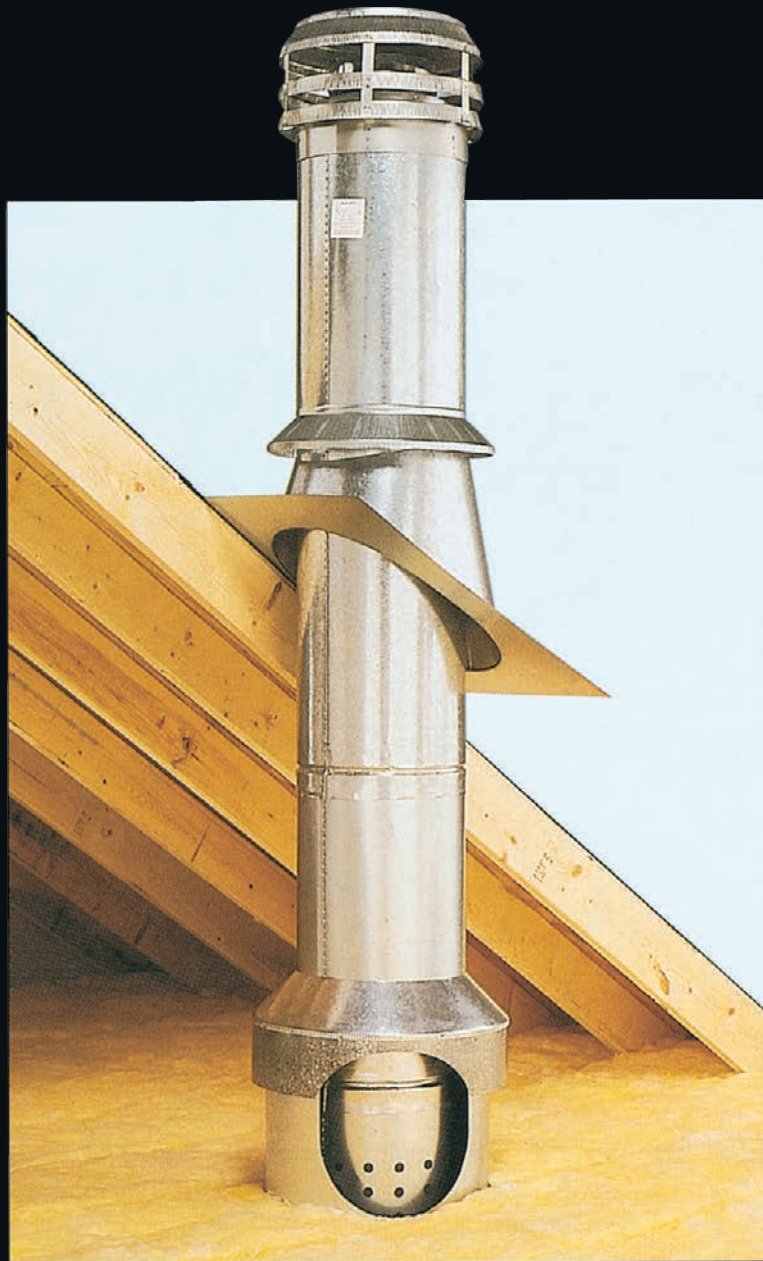


2100° chimney systems



**The safe way to save energy and
installation costs -- burn wood, oil or gas**



AirJet Chimneys are listed
by Underwriters Laborato-
ries.
103HT and accepted by
FHA and VA

The only 2100° triple-wall, air-insulated metal chimney.

Built-in quality and safety for all fuels.

The improved technology behind the AirJet 2100° triple-wall, air-insulated metal chimney system qualifies it for safe use with fuels--used to fire:

- wood stoves
- free-standing fireplaces
- masonry fireplaces
- oil- or gas-fired appliances
- light commercial and industrial appliances
- domestic incinerators

Considered the ultimate in high-temperature chimney safety, AirJet's 2100° system offers the same convenient dimensions and unique locking system as the original AirJet design, yet provides increased margins of safety to meet national code requirements.

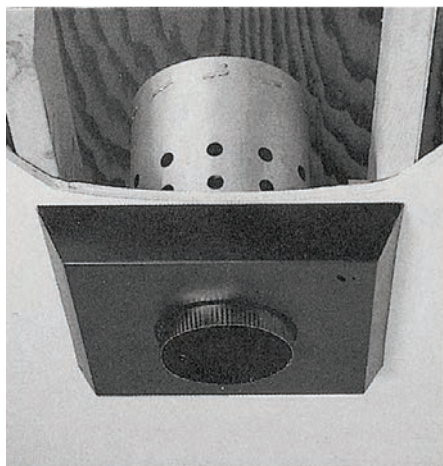
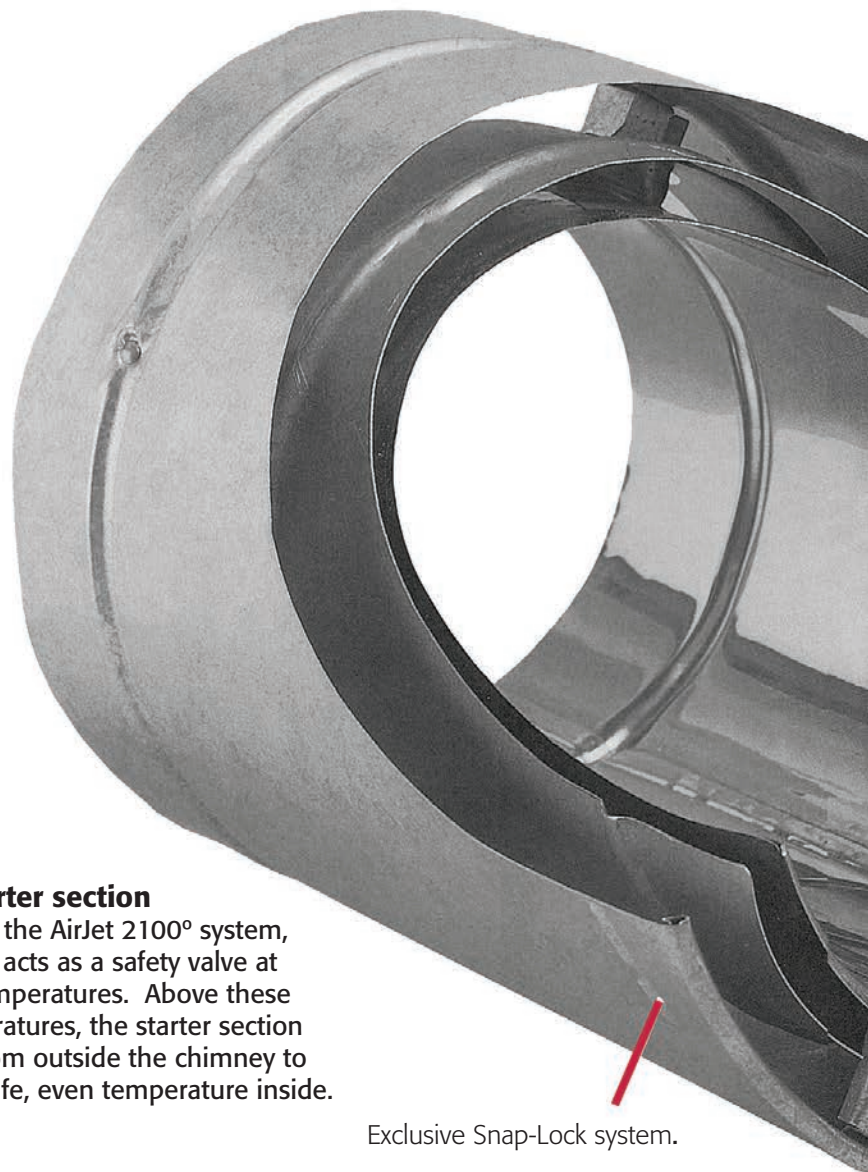
Static air system during low firing conditions.

Thermo-Syphon air action during high temperature conditions, including chimney fire, insures complete safety.

Uniform protection throughout (no hot spots)

Four pipe lengths, including 4' lengths.

Lightweight design for easy handling and installation.



AirJet 2100° starter section

An integral part of the AirJet 2100° system, the starter section acts as a safety valve at extremely high temperatures. Above these critical flue temperatures, the starter section inhales cool air from outside the chimney to help maintain a safe, even temperature inside.

Exclusive dripless connectors are built right into the starter section, eliminating the need for "stove pipe adapters" to connect single-wall stove pipe to the AirJet 2100° system.

Exclusive Snap-Lock system.

Starter sections required with SCKS, and HL kits when burning wood (not required with SOTK kit).

Engineered for efficiency in operation and installation.

Easy framing dimensions require no cutting of ceiling or wall joists, in either 6" or 8" diameters.

Standard 2" clearance to combustibles or less as established by U.L. listed supports and shields.

Galvanized outer wall to resist atmospheric corrosion (.018" thickness).

Aluminized steel intermediate wall to reflect heat inward.

Stainless steel inner wall to withstand maximum temperatures and to resist corrosivity. .015" thickness for extra margin of safety.

Rolled male end

UL 103HT listed
Tested by Underwriters Laboratories.
Listed to UL 103HT which has temperature requirements as follows:
2100° for three 10 minute intervals
1700° for 10 minutes
1400° for 1 hour
1000° for continuous burn

Prefabricated metal chimneys save substantial money and space when compared to conventional chimneys. And they are simple to install.

Unitized construction.

Multiple wall design makes use of air insulation and also creates a better draft action. Walls are bonded together as a single unit, designed to slip easily into its companion section.

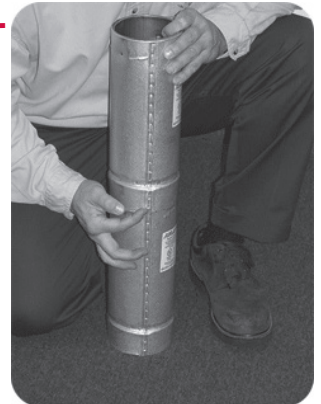
Lightweight for one-man installation.

Engineered for labor savings, AirJet chimneys are lightweight. One person can install the chimney quickly and economically.



Unique Snap-Lock design.

An exclusive AirJet feature. Assembly is quick and easy. Just line up outside seams and push down until pipe "snaps" into place. To disassemble, simply twist counterclockwise and lift.



Special 2100° features.

Exclusive adjustable snout tee. The AirJet adjustable snout tee, in 6" and 8" diameters, is the only tee assembly of its kind that fits between standard joists (16" O.C.). The result: a flush wall connection without a chimney extension in the room interior.

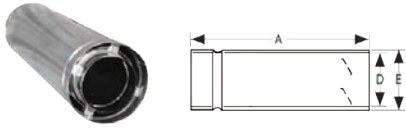
Accommodates approximately 4 1/2"-8 1/2" wall thicknesses. For thicker dimensions, simply add extra pipe. Includes dripless connector.



"Closed" roof flashing. Unlike many systems, the AirJet 2100° flashing is designed without ventilation openings to prevent rain leaks or entry of unwanted animals or debris

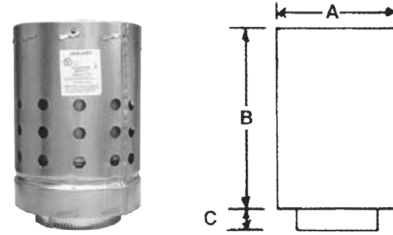
Components and accessories

Round Pipe



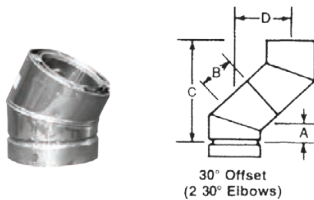
- A Stated Length
- D Stated Diameter
- E 6" Diameter = 8 5/8"
- 8" Diameter = 12 5/8"
- 10" Diameter = 15 1/4"

Starter Section



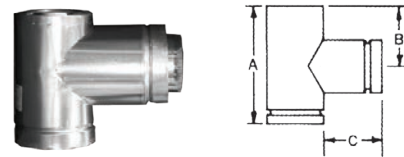
	A	B	C
6SS	8 5/8"	12"	1 7/8"
8SS	12 5/8"	12"	1 7/8"

30° Offset



	A	B	C	D
6S30	4 5/16"	2 7/8"	13 3/8"	4 3/8"
8S30	3 3/16"	4 9/16"	17"	5"
10J30	3 5/8"	7 1/2"	20 1/16"	5 13/16"

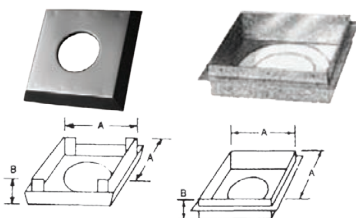
Adjustable Snout Tee



For through-the-wall installation.

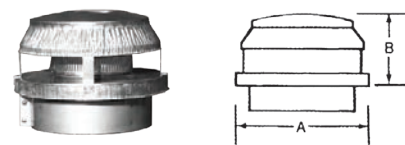
	A	B	C
6ST	14 3/8"	6 1/4"	adjustable, 4 1/2" to 8 1/2"
8ST	20 1/2"	9 3/16"	adjustable, 4 1/2" to 8 1/2"
10ST	25 5/16"	12 15/16"	adjustable, 4 1/2" to 8 1/2"

Ceiling Cover (6" & 8") and Base Support (10")



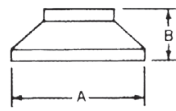
	A	B
6SCCB	12 5/8"	4"
8SCCB	14 1/4"	4"
10JBS	19"	4"

Termination Cap



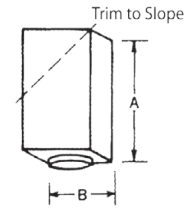
	A	B
6SU	11"	5 1/4"
8SU	15"	11 1/8"
10JU	25"	14 1/16"

Storm Collar



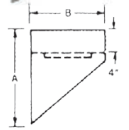
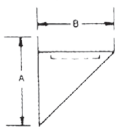
	A	B
6SC	12 ⁵ / ₈ "	2 ¹ / ₄ "
8SC	16 ³ / ₃₂ "	3 ¹ / ₄ "
10JSC	19 ¹ / ₂ "	4"

Roof Support



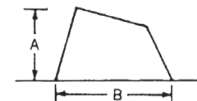
	A	B
6SRS	18"	12 ¹ / ₁₆ "
8SRS	18"	14 ⁵ / ₁₆ "
10JRS	18"	19 ¹ / ₁₆ "

Tee Support (6" & 8") and Wall Support (10")



	A	B
6STS	16 ¹ / ₄ "	12 ⁵ / ₈ "
8STS	16 ¹ / ₄ "	15 ¹ / ₄ "
10JWS	22"	19"

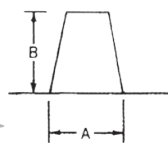
Adjustable Roof Flashing



	A	B
6SBF	5 ⁵ / ₈ "	13 ³ / ₄ "
8SBF	7 ¹ / ₂ "	16 ¹ / ₄ "
10JBF	5"	20"

Adjusts from 0/12 to 6/12.

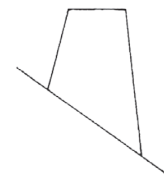
Tall Cone Flashing



	A	B
6SBFT	12"	12"
8SBFT	14 ⁵ / ₈ "	12"
10JBFT	16 ¹ / ₄ "	12"

Use on flat roofs to protect from standing water or snow.

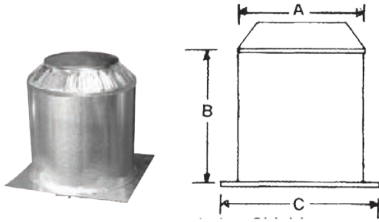
Steep Pitch Flashing



SBFX	7/12 to 12/12
SBFY	13/12 to 18/12
SBFZ	19/12 to 24/12

Specify pipe and pitch of roof.

Attic Insulation Shield



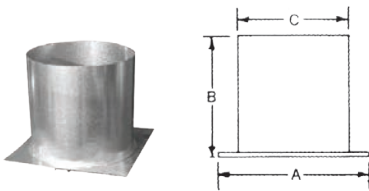
	A	B	C
6SIS	12 1/2"	11 1/2"	14 5/8"
8SIS	16 1/2"	11 1/2"	18 3/8"

Face Plate



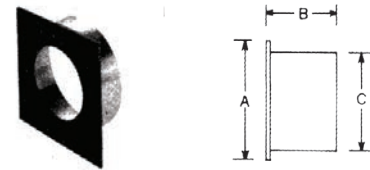
	A	B
6SFP	1/2"	8 11/16"
8SFP	1/2"	12 11/16"

Joist Shield



	A	B	C
6SJS	14 5/8"	12"	12 5/8"
8SJS	16 1/2"	12"	14 3/8"

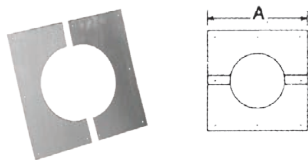
Wall Thimble



	A	B	C
6SWT	14 5/8"	4 1/2" to 8"	21 13/16"
8SWT	16 1/2"	4 1/2" to 8"	13"
10JWT	12 3/4"	4 1/2" to 8"	17 1/8"

For use in passing through a wall. Adjustable to accommodate different wall depths.

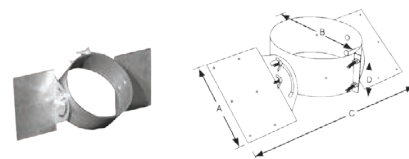
Weather Shield



	A
6SWSH	14 5/8"
8SWSH	16 1/2"
10JWSH	21 13/15"

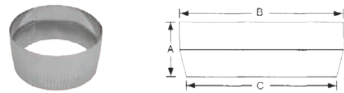
For weather-tight protection in through-the-wall installation. Place against wall around tee and caulk for sealing.

Adjustable Pass-Thru Support



	A	B	C	D
6APTS	8"	8 3/4"	20 7/8"	4"
8APTS	8"	12 3/4"	24 1/8"	4"

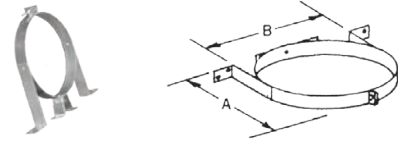
Stove Pipe Adapter (stainless)



	A	B	C
6SPA	2"	6 ¹ / ₁₆ "	5 ³ / ₄ "
8SPA	2"	8 ¹ / ₁₆ "	7 ³ / ₄ "
10SPA	2"	10 ¹ / ₁₆ "	9 ³ / ₄ "

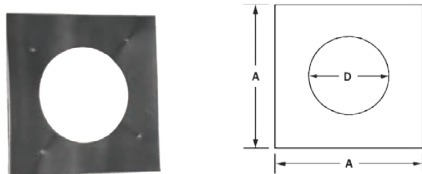
Drip-free hookup of triple wall pipe to single wall on oil installations, where starter section is not required.

Wall Band



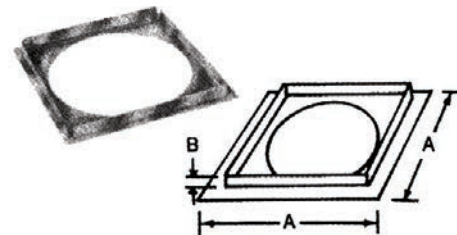
	A	B
6SWB	10 ³ / ₄ "	8 ⁵ / ₈ "
8SWB	14 ³ / ₄ "	12 ⁵ / ₈ "
10JWB	17 ¹ / ₄ "	15 ¹ / ₄ "

Firestop



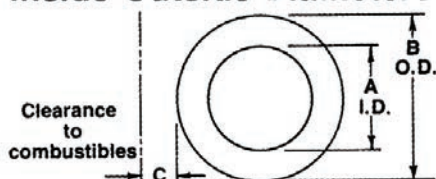
	A	D
6LF	17"	6 3/4"
8LF	17"	8 3/4"

Firestop Assembly



	A	B
10JFS	21 3/4"	1"

Inside-Outside Diameters



Note— Maximum height for 6, 8 & 10" chimneys— 50'.

A	Inside Diameter	6"	8"	10"
B	Outside Diameter	8 ⁵ / ₈ "	12 ⁵ / ₈ "	15 ¹ / ₄ "
C	Clearance to Comb.	2"	2"	2"



NOTE: 6" and 8" AirJet chimney systems listed to 2100° UL 103HT

10" AirJet chimney systems listed to 1700° UL 103

Packaged kits save time and money.

All accessories conveniently packed in cartons. Easy to order, inventory and store. So handy on the job!



Required with SCKS & HL Kits when burning wood



High Pitch Flashing available on request

It's easy to order AirJet® 2100° chimneys.

AirJet 2100° chimneys are easy to install whether you are venting a furnace, stove, water heater or fireplace burning oil, gas or wood.

1. Select a kit.

Determine what type of installation you need (See SCKS, SOTK, SRSK and HL Page 8.) You will get all needed accessories packaged as a kit. The kit does not contain pipe sections.

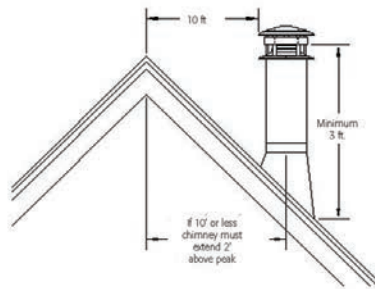
2. Determine the diameter of pipe.

NOTE: The appliance, stove or fireplace will recommend a pipe size. Inside diameter of AirJet pipe should match diameter of single wall pipe coming off your appliance, stove or fireplace.

3. Determine total length of pipe.

To determine triple wall chimney requirements, measure from the hole in the ceiling or wall (first combustible surface) to the top of the installation as follows. Top of pipe must be 2 ft. higher than anything within 10 ft. of the chimney, and a minimum of 3 ft. above the roof.

Order longest sections available. Ex: You need 9 feet of pipe. Get two 4-ft. sections and one 2-ft. section.



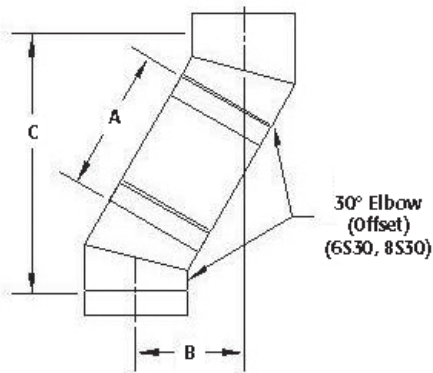
To determine number of chimney sections necessary for a chimney height of 25' or less, use chart below. NOTE: When using starter section, subtract 1' from your chimney height to get total amount of pipe needed.

Chimney Height	Pipe Length			
	4	3	2	1
6'	1	1		
7'	1	1		1
8'	2			1
9'	2		1	
10'	2	1		
11'	2	1		1
12'	3			1
13'	3		1	
14'	3	1		

Chimney Height	Pipe Length			
	4	3	2	1
16'	4			1
17'	4		1	
18'	4	1		
19'	4	1		1
20'	5			1
21'	5		1	
22'	5	1		
23'	6			
24'	6		1	

4. Determine chimney offset needs.

When calculating amount of offset needed, include radius of pipe (4 5/16" for 6" and 6 5/16" for 8") PLUS 2" clearance for total offset from center line of 6 5/16" for 6" and 8 5/16" for 8". **NOTE:** Dimensions shown are theoretical. Manufacturing tolerance and installation variance can combine to create a total tolerance of + or - approximately 3/8"



- A = Amount of pipe in between pair of offset elbows.
- B = Amount of offset centerline to centerline realized by pipe and ells
- C = Amount of actual height added by pipe and ells. This is the actual height added excluding locks.

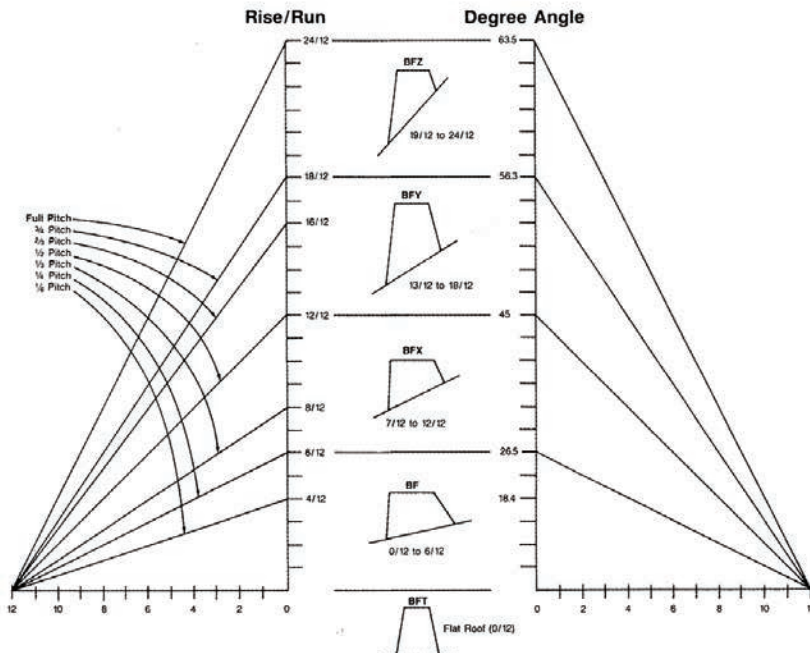
6" Diameter Chimney		
A. Dimension	B. Dimension	C. Dimension
No. of Ft. of Pipe	Amount of Offset	Amount of Rise
0 (Back to Back elbows)	3 15/16"	12 15/16"
1'	9 1/16"	21 13/16"
2'	15 1/16"	32 7/32"
3'	21 1/16"	42 19/32"
4'	27 1/16"	53"
5'	32 3/16"	61 7/8"
6'	38 3/16"	72 9/32"
7'	44 3/16"	82 21/32"

8" Diameter Chimney		
A. Dimension	B. Dimension	C. Dimension
No. of Ft. of Pipe	Amount of Offset	Amount of Rise
0 (Back to Back elbows)	4 3/32"	13 17/32"
1'	9 7/32"	22 13/32"
2'	15 7/32"	32 13/16"
3'	21 7/32"	43 3/16"
4'	27 7/32"	53 19/32"
5'	32 11/32"	62 15/32"
6'	38 11/32"	72 27/32"

5. Select your AirJet roof flashing

Determine the pitch of your roof by using one of the methods listed below. Then use the handy chart to see where your roof pitch falls. Example a 4/12 pitch roof falls into the 0/12 to 6/12.

- A. Rise over Run** A 4/12 roof is determined by measuring the vertical rise (4 feet), over the horizontal run (12 feet) to get to this rise. This method is always expressed X/12.
- B. Pitch** This method is expressed as a fraction of a full pitch (24/12). A 4/12 rise/run roof is expressed as a 1/6 pitch (4/12 divided by 24/12 = 4 divided by 24 or 1/6).
- C. Degree Measure** A 4/12 rise over run, or 1/6 pitch roof is also an angle of 18.4 degrees.



All Fuel Decorative Chimney Housing Kits



THE SIMPLEST HOUSING ASSEMBLY ON THE MARKET

The following kits include:

High Grade, Polished, Stainless Steel, Square Top Cap
4 Side Panels

Solid Red, Solid Tan, Solid White

Simulated Red Brick, Simulated Tan Brick, Simulated White Brick

Galvanized 2 piece Roof Flashing

18" Telescoping Stainless Steel Connector

Ceiling Cover Base Support (Matte Black)

These kits will fit the **AirJet** All Fuel Systems in both 6" & 8"

W D H

6 OR 8HL36R 17 X 17 X 36" Simulated Red Brick

6 OR 8HL36T 17 X 17 X 36" Simulated Tan Brick

6 OR 8HL36W 17 X 17 X 36" Simulated White Brick

6 OR 8HL48R 17 X 17 X 48" Simulated Red Brick

6 OR 8HL48T 17 X 17 X 48" Simulated Tan Brick

6 OR 8HL48W 17 X 17 X 48" Simulated White Brick



With only 8 parts the entire unit can be assembled on the ground and attached to the roof by one man.

**Square Top Cap is UL approved.
High grade stainless steel guards against birds, leaves and weather.**

Show the AirJet 2100° advantages and you'll come out on top.

AirJet, along with A. J. Sweep, our easily recognizable symbol of quality and safety, helps you sell every step of the way. In-store displays, stuffers and downloads available on our web site, comprise a complete merchandising program. Use them wisely and they will do the selling for you.. catching customer interest, explaining the benefits and closing the sale.

Point-of-Purchase Display.

This full size, attention-getting display provides customers with important decision-making facts.



AIRJET

3020 Mine Road
Fredericksburg, VA 22408
Phone: 866.324.7538
Fax: 574.262.2075



Quality and Service For Over 50 Years

Packaged kits:

an extra convenience for you-and your customers.

AirJet's 2100° kit accessories come conveniently packaged in informative cartons.

- > big time and money savers
- > simplifies inventory-fewer SKU's
- > easy to order
- > attractive, 4-color graphics for greater consumer appeal.

