

Type B Gas Vent

Type B gas venting system. UL 441 and ULC S605.

DuraFlex[®] AL

Aluminum flexible relining. UL 1777 & ULC S635.



c-UL-us 441 System

DuraConnect II

Double-wall connector pipe, UL approved as a Type B Gas Vent segment, for use in conditioned and unconditioned attics and crawl spaces. (Not to be enclosed and cannot penetrate through walls, floors, or ceilings.) DuraVent's DuraConnect II is known as the "Contractor's Choice" for its ease of installation and durability.

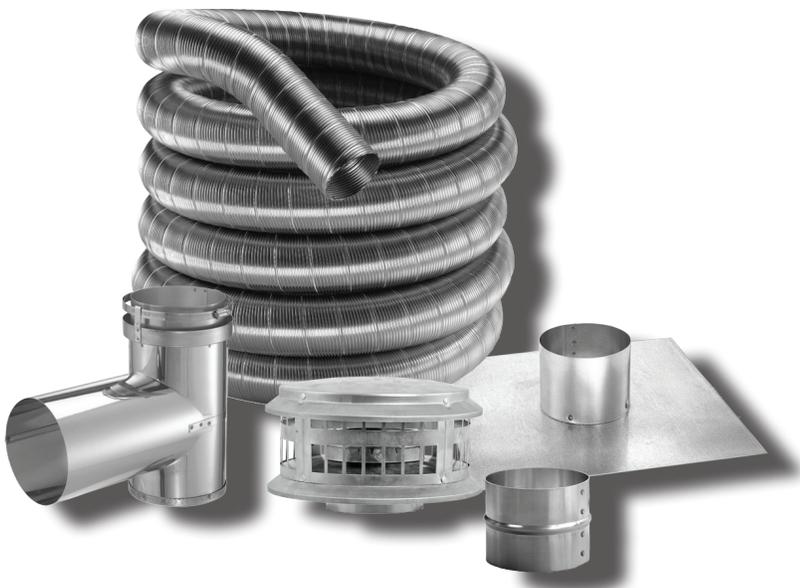
DuraConnect II's heavy-duty construction features precision twist-lock connection, which provides ease of assembly or disassembly without damage to the product.

The double-wall flexible vent is certified as having the equivalent thermal properties as Type B Gas Vent and can be used when a Type B Gas Vent double-wall connector is required.

UL 1777 & ULC S635 System

DuraFlex AL

An economical venting system used for relining masonry chimney for natural gas or liquid propane category I, draft hood equipped appliances, and appliances tested and listed to use Type B Gas Vent for a wide range of applications, including: natural gas fireplaces, gas-fired furnaces, boilers, water heaters, and wall or space heating applications. Protects the masonry chimney from damaging effects of flue product condensation.



Specifications

DuraConnect II

Materials and Construction

.010" Double-wall aluminum flex inner wall (two-ply .005"), .018" galvalume outer wall, with twist-lock connections.

Clearances

1" to combustibles.

Diameters

3" - 6".

Listings

c-UL-us Listed to UL 441 and ULC/ORD-C441 (MH14089).



DuraFlex AL

Applications

DuraFlex AL (DFAL) aluminum flexible relining for masonry chimney. Use with natural gas or liquid propane category I, draft hood equipped appliances, and appliances tested and listed to use Type B Gas Vent. Applications include: natural gas fireplaces, gas-fired furnaces, boilers, water heaters, and wall or space heating applications.

Materials and Construction

.010" aluminum
(2-ply of .005").

Clearances

0" clearance to masonry.

Diameters

3", 4", 5", 5 1/2", 6", 7", and 8".

Listings

Listed to UL 1777 and ULC S635.



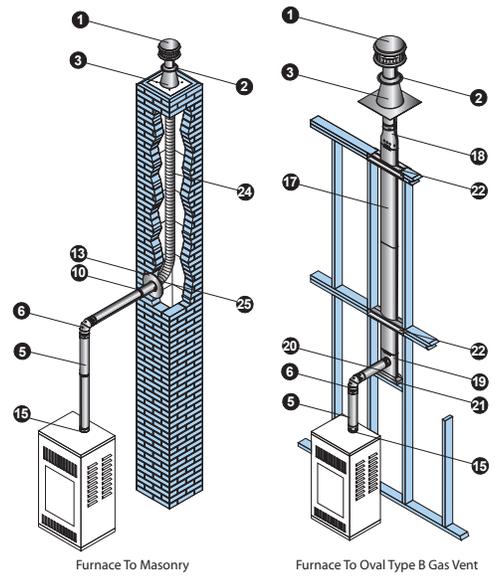
What makes us different from the rest?

DuraVent's Type B Gas Vent: A completely engineered system.



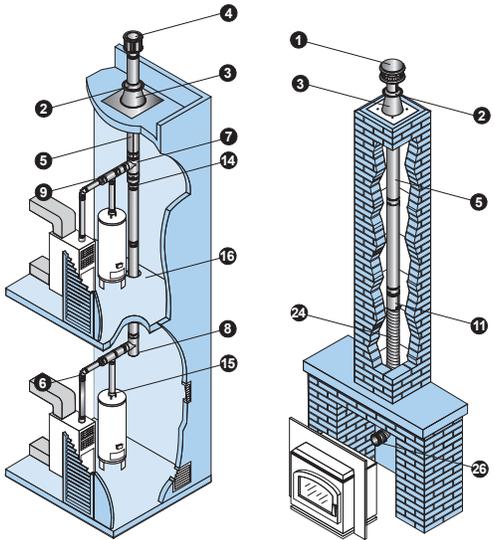
Features	Benefits	Features	Benefits
Available in Round and Oval	Availability of two pipe shapes allows installers to select appropriate pipe for space needs. Oval pipe is manufactured to fit into standard stud walls, allowing for reduction of total area needed for installation.	Swivel Tees and Elbows	Elbows swivel 360° at base providing the flexibility to offset obstructions as needed. Branches of tees and bases of elbows swivel allowing part to be properly lined up after being connected to pipe sections. Saves time and money on installation.
Twist locks into place	No sharp tabs to bend into slots. Easy installation with no mechanical fasteners required.	Aluminum inner pipe	Aluminum inner pipe heats up faster. Remains hot during operation and eliminates condensation in the appliance and vent system.
Firm, lock-tight connection	DuraVent's innovative system DuraLock allows for a lock-tight connection. See the alignment indicators meet; feel the ends grasp together; hear the snap as the connection firmly locks into place.	Double-Wall Wye-45° Branch	Can be used in place of tees to provide a 45° angle instead of 90°. Branch swivels on male end for better alignment for a 45° offset or combining connectors from two or more appliances into a common vent.
Engineered to heat-up rapidly.	Type B Gas Vent remains hot during the operation of the appliance with minimal condensation in the appliance and vent system.	Universal B-Vent to Aluminum Flex Adapter	Connects DuraFlex Aluminum flex to any brand of B-vent, allowing installers to reline a masonry chimney without needing to replace the existing B-vent connector to the appliance, saving the installer time and the homeowner money.
Pipe lengths are available in multiple lengths 6"-60".	Gives the installer the greatest variety of lengths to reach the desired height with ease and least amount of pipe sections.	Limited Lifetime Warranty	The best Warranty in the industry. 15 years 100%, 15 years and up 50%. Gives the installer and homeowner the greatest peace of mind in a quality installation.
		Made in USA	100% manufactured in USA.

Typical Installations



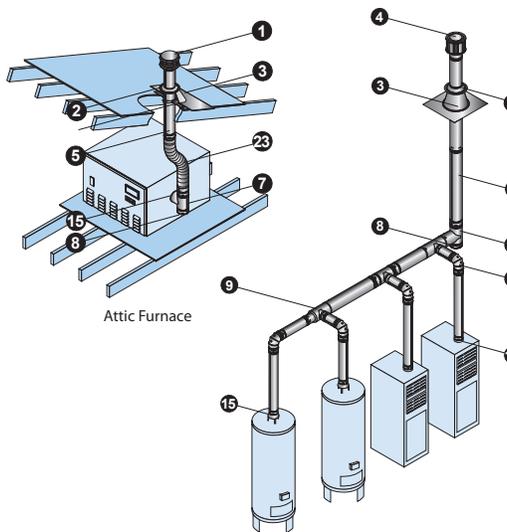
Furnace To Masonry

Furnace To Oval Type B Gas Vent



Multi-Story

Gas Insert To Masonry

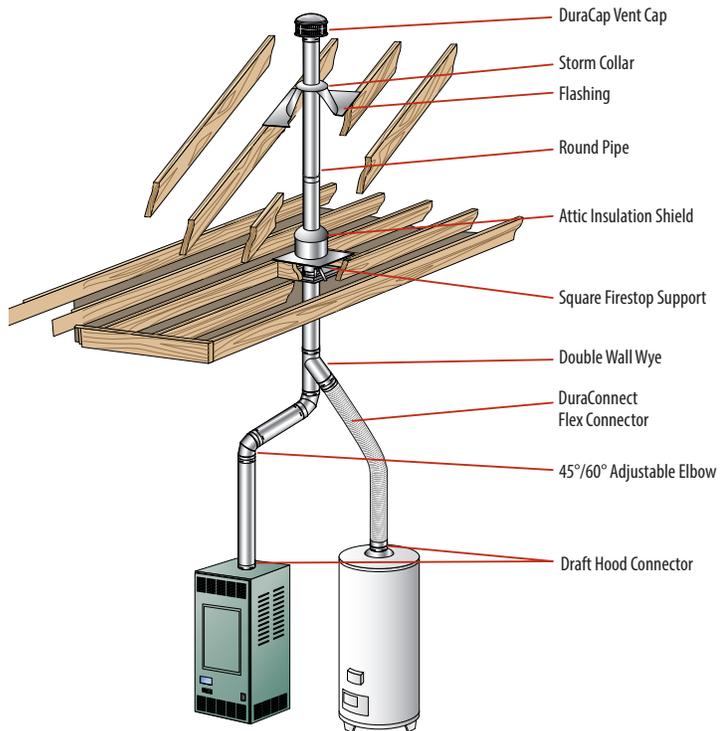


Attic Furnace

Type B Gas Vent Manifold

Installation Key			
1	DuraCap	14	Increaser
2	Storm Collar	15	Draft Hood Connector
3	Roof Flashing	16	Square Firestop Support
4	High-Wind Cap	17	Oval Pipe
5	Round Pipe	18	Oval to Round Adapter
6	Elbow	19	Oval Tee
7	Tee	20	Oval Tee Cap
8	Tee Cap	21	Oval Tee Support
9	Increaser Tee	22	Oval Firestop Spacer
10	Female Flex Adapter	23	DuraConnect II
11	Male Adapter	24	DuraFlex AL Length
12	Double-Wall Wye	25	DuraFlex Motar Sleeve
13	Pipe Collar	26	DuraFlex AL Coupling

Refer to our Typical Venting Installation drawings to select the appropriate component parts for your installation.



How Size and Height Affect Stove Performance

- The amount of heat the vent gases lose as they flow determines how much condensation will occur and how strong the draft will be. To control the heat losses, proper selection of venting materials is of vital importance.
- Double-wall Type B Gas Vent, with an aluminum inner wall and a galvanized steel outer wall, has proven to be the ideal choice in venting materials.

Vent Termination Chart

Using listed Type B Gas Vent caps may terminate in accordance with this table.

Roof Pitch	Minimum Height	
	Feet	Meters
Flat to 7/12	1	0.30
Over 7/12 to 8/12	1.5	0.46
Over 8/12 to 9/12	2	0.61
Over 9/12 to 10/12	2.5	0.76
Over 10/12 to 11/12	3.25	0.99
Over 11/12 to 12/12	4	1.22
Over 12/12 to 14/12	5	1.52
Over 14/12 to 16/12	6	1.83
Over 16/12 to 18/12	7	2.13
Over 18/12 to 20/12	7.5	2.29
Over 20/12 to 21/12	8	2.44

Gas Vent Specification Chart

Item	Clearances	Maximum Height	Outer Tube Ø	Materials	Locking Device	UL Listing	ULC Listing
Type B Vent Round 3"-8"	1 inch to combustibles	100 feet	5/8" larger than ID	Inner - .012" Aluminum Outer - .018" Galvanized	DuraLock	MH6357	CMH1276
Round 10" to 16" See note 2	1 inch to combustibles	100 feet	1" larger than ID	Inner - .016" Aluminum Outer - .021" Galvanized	TwistLock Screws	MH6357	CMH1276
Round 18" to 30"	1 inch to combustibles	100 feet	2" larger than ID See note 5	Inner - .020" Aluminum Outer - .021" Galvanized	Screws	MH6357	CMH1276
Oval Type B Vent 4" and 5"	2" x 4" & 2" x 6" stud wall and 1 inch to combustibles	See Note 3	2 1/2" x 7 1/4" 3 1/8" x 10 7/8"	Inner - .012" Aluminum Outer - .018" Galvanized	Button Lock	MH6357	CMH1276
Oval Type B Vent 6"	2" x 6" stud wall and 1 inch to combustibles	See Note 3	3 1/4" x 12"	Inner - .012" Aluminum Outer - .018" Galvanized	Button Lock	MH6357	CMH1276
Type B Vent 3" to 6" Round Liner	0"/Masonry	50 feet	5/8" larger than ID	Inner - .012" Aluminum Outer - .018" Galvanized	DuraLock	MH14420 MH6357	CMH1407
DuraFlex AL Gas Relining 3" to 6"	0"/Masonry	50 feet	1/4" larger than ID	.010" Aluminum Flex	Screws DuraLock	MH14420	--
DuraConnect 3" to 6"	1 inch to combustibles	See Note 4	1/4" larger than ID	.010" Aluminum Flex .018" Galvalume	DuraLock	MH14089	--
DuraConnect II 3" to 6"	1 inch to combustibles	See Note 4	1/4" larger than ID	.010" Aluminum Flex .018" Galvalume	DuraLock	MH14089	--

NOTES
1. Clearance to combustibles is the air space between vent and combustibles.
2. Maximum height varies with equipment over 50', for taller applications refer to SDV sizing handbook (L202). 14"-16" Pipe require screws.
3. When oval is used on wall furnaces, minimum height required from bottom of furnace to cap is 12", minimum 16" stud space.
4. Limited by sizing tables.
5. 18" pipe OD is one inch larger than ID and 20" - 30" OD is 2" greater than ID.

Oval Type B Gas Vent

Oval Installation Kit

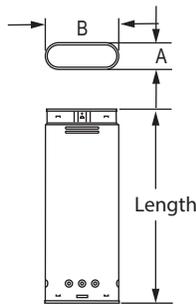


Kit includes: Oval Base Plate and (2) Oval Ceiling Plate Spacers.

Use for wall furnaces installed in a single-story application.

SIZE	ORDER #	STOCK #
4"	4GV0-K	810002879

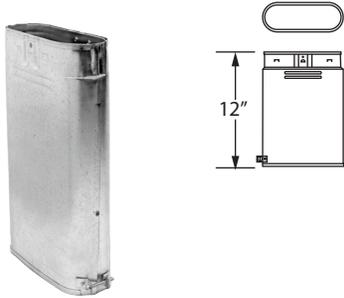
Oval Rigid Pipe



Use for venting listed natural gas or liquid propane Category I, draft hood appliances, or appliances that have been specifically tested and listed to use Type B Gas Vent. The appliances listed typically use Type B Gas Vent systems, but not always: Furnaces, Water Heaters, Boilers, Room Heaters, Decorative Gas Appliances, and Unit Heaters. Designed to be placed within 2" x 4" stud walls (4" and 5" oval pipe). 6" may only be placed in a 2" x 6" 16" O.C. stud space.

SIZE	LENGTH	ORDER #	STOCK #	A	B
4"	6"	4GW06	810002880	2 1/2"	7 1/4"
4"	12"	4GW12	810002881	2 1/2"	7 1/4"
4"	18"	4GW18	810002882	2 1/2"	7 1/4"
4"	24"	4GW24	810002883	2 1/2"	7 1/4"
4"	36"	4GW36	810002884	2 1/2"	7 1/4"
4"	48"	4GW48	810002885	2 1/2"	7 1/4"
4"	60"	4GW60	810002886	2 1/2"	7 1/4"
5"	6"	5GW06	810002906	3 1/8"	10 7/8"
5"	12"	5GW12	810002907	3 1/8"	10 7/8"
5"	18"	5GW18	810002908	3 1/8"	10 7/8"
5"	24"	5GW24	810002909	3 1/8"	10 7/8"
5"	36"	5GW36	810002910	3 1/8"	10 7/8"
5"	48"	5GW48	810002911	3 1/8"	10 7/8"
5"	60"	5GW60	810002912	3 1/8"	10 7/8"
6"	6"	6GW06	810002930	3 1/4"	11 7/8"
6"	12"	6GW12	810002931	3 1/4"	11 7/8"
6"	18"	6GW18	810002932	3 1/4"	11 7/8"
6"	36"	6GW36	810002934	3 1/4"	11 7/8"
6"	48"	6GW48	810002935	3 1/4"	11 7/8"

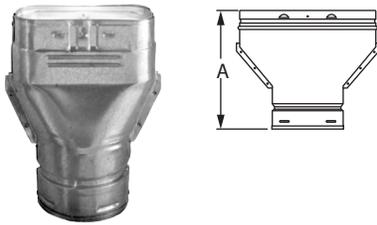
Oval Adjustable Pipe



Use to add length to a straight length of Oval Type B Gas Vent Pipe. Adjusts from 4"-10". Requires a 2" overlap.

SIZE	LENGTH	ORDER #	STOCK #
4"	12"	4GW12A	810002887
5"	12"	5GW12A	810002913
6"	12"	6GW12A	810002937

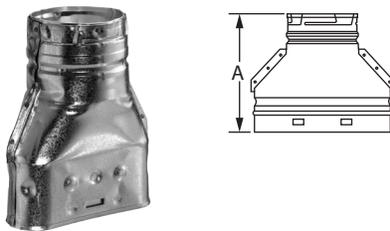
Round-To-Oval Adapter



Use to convert from round to oval vent.

SIZE	ORDER #	STOCK #	A
3" to 4"	4GWAR3	810002889	9 1/4"
4"	4GWARO	810002890	9 1/4"
5"	5GWARO	810002915	9 3/8"
6"	6GWARO	810002939	11 1/2"

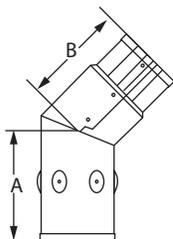
Oval-To-Round Adapter



Use to convert from oval to round vent.

SIZE	ORDER #	STOCK #	A
4"	4GWAOR	810002891	9 1/4"
5"	5GWAOR	810002916	9 7/8"

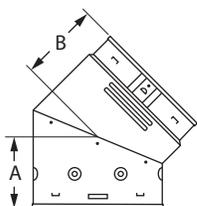
Oval 45° Elbow - Standard



Offsets obstructions as needed. Not adjustable.

SIZE	ORDER #	STOCK #	A	B
4"	4GWL45	810002892	3 5/8"	3 1/2"
5"	5GWL45	810002917	4 1/8"	5"
6"	6GWL45	810002941	5"	5"

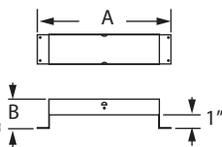
Oval 45° Elbow - Flat



Offsets obstructions as needed. Not adjustable.

SIZE	ORDER #	STOCK #	A	B
4"	4GWL45F	810002893	4 1/2"	4 1/8"
5"	5GWL45F	810002918	5 1/4"	5 5/8"
6"	6GWL45F	810002942	5 3/4"	4 3/4"

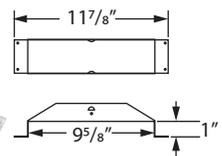
Oval Tee Support - Plain



Use to support and center Oval Tee. Use with Oval Tee Cap.

SIZE	ORDER #	STOCK #	A	B
5"	5GWTS	810002919	13 7/8"	2 1/8"

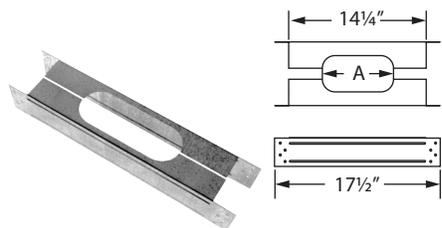
Oval Tee Support - Base Plate



Use to support and center Oval Tee. Use with Oval Tee Cap.

SIZE	ORDER #	STOCK #
4"	4GWPS	810002894

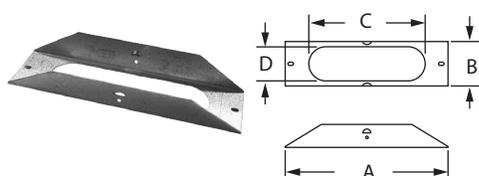
Oval Firestop Spacer



Use to center oval vent in a minimum 16" on-center stud space. Serves as a firestop at the ceiling level. Required in multi-story installations.

SIZE	ORDER #	STOCK #	A
4"	4GWFS	810002895	7 1/2"
4"	4GWFS2X6	810002896	7 1/2"
5"	5GWFS	810002920	11"
5"	5GWFS2X6	810002921	11"

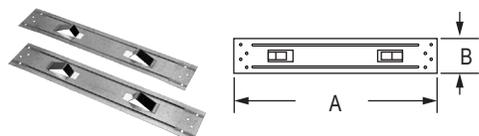
Oval Base Plate



Use to attach oval vent to a wall furnace.

SIZE	ORDER #	STOCK #	A	B	C	D
4"	4GWBP	810002897	9 5/8"	2 3/8"	6 7/8"	2"

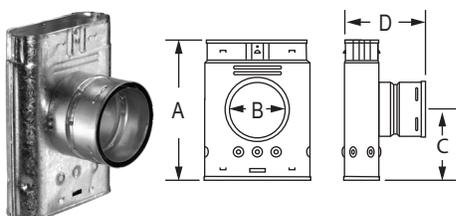
Oval Ceiling Plate Spacer



Use to center the oval vent where Oval Firestop Spacer is not required. (2 plates included.)

SIZE	ORDER #	STOCK #	A	B
4"	4GWCS	810002898	17 1/2"	3"

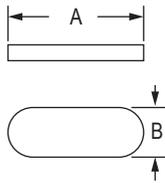
Oval Standard Tee



Use to attach round pipe to oval pipe. Use for a 90° offset or to combine connectors from two or more appliances into a common vent.

SIZE	ORDER #	STOCK #	A	B	C	D
4"	4GWT	810002899	10 1/4"	4"	5 1/4"	6"
5"	5GWT	810002922	11 3/4"	5"	6 1/4"	6 1/4"
6"	6GWT	810002945	12 1/8"	6"	6"	7"

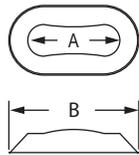
Oval Tee Cap



Use to close off bottom of Oval Tee. Fits on inner liner.

SIZE	ORDER #	STOCK #	A	B
4"	4GWTC	810002901	6 7/8"	2"
5"	5GWTC	810002925	10 3/8"	2 3/4"

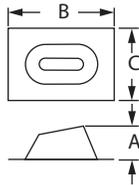
Oval Storm Collar



Use to maintain a weather tight resistant seal between the pipe and the flashing.

SIZE	ORDER #	STOCK #	A	B
4"	4GWSC	810002902	7 1/2"	10 1/4"
5"	5GWSC	810002926	10 3/4"	13 3/8"
6"	6GWSC	810002949	12"	15"

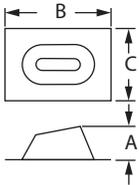
Oval Adjustable Roof Flashing



Use to weather proof the penetration of vent pipe through the roof. Storm Collar required. Select roof flashing based on pitch of roof. For pitches of 0/12 - 6/12. Made of galvalume.

SIZE	ORDER #	STOCK #	A	B	C
4"	4GWF	810002905	3 1/2"	18"	12 1/2"
5"	5GWF	810002927	7 3/4"	25 1/2"	17 1/2"
6"	6GWF	810002950	7 1/8"	25 1/2"	17 1/2"

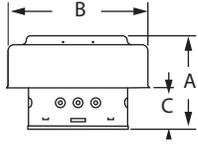
Oval DSA Roof Flashing



Use with metal or tile roofs. Available in Adjustable Roof Flashing style (0/12-6/12). Made of dead soft aluminum. Refer to Roof Flashing tables for dimensions.

SIZE	ORDER #	STOCK #	A	B	C
4"	4GWFDSA	810002904	3 3/4"	28 1/2"	23 1/2"
5"	5GWFDSA	810002928	3 1/2"	30 1/2"	27"
6"	6GWFDSA	810002951	7"	35"	27"

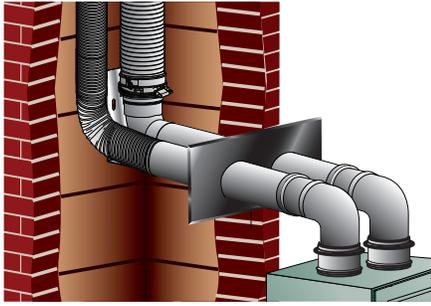
Oval Cap



Required where pipe terminates above the roof line. Use for vertical installations only.

SIZE	ORDER #	STOCK #	A	B	C
4"	4GWVT	810002903	6 1/8"	10"	2 3/4"
5"	5GWVT	810002929	7 1/2"	15 1/4"	3 3/4"
6"	6GWVT	810002952	7 1/2"	15 1/4"	4"

DuraFlex® - Aluminum

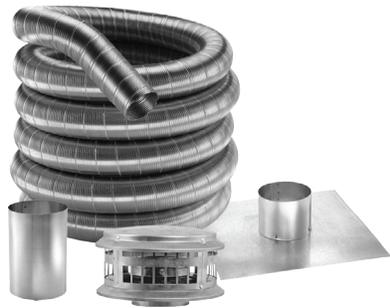


Need An Air Intake Solution? Create Your Own Kit

Order Diameter DuraFlex AL length, Hanger Bracket, Coupler and Wall Plate for Twin Pipe. (2" Air intake will require a 2"-3" Increaser: 2PPS-X3)

- (1) DuraFlex AL Length: DFA-25, DFA-35, or DFA-50
- (1) Hanger Bracket: DFA-FCB
- (1) Coupler: DFA-FCP
- (1) Wall Plate for Twin Pipe: PPS-WPT

DuraFlex AL Kit



Kit includes: DuraFlex AL Length, DuraFlex AL Cap, DuraFlex Top Plate, and DuraFlex Mortar Sleeve. Flex lengths available in 25' and 35'.

SIZE	25' FLEX		35' FLEX	
	ORDER #	STOCK #	ORDER #	STOCK #
3"	3DFA-25K	810002973	3DFA-35K	810002974
4"	4DFA-25K	810002975	4DFA-35K	810002976
5"	5DFA-25K	810002977	5DFA-35K	810002978
5 1/2"	55DFA-25K	810002979	55DFA-35K	810002980
6"	6DFA-25K	810002981	6DFA-35K	810002982
7"	7DFA-25K	810002983	7DFA-35K	810002984
8"	8DFA-25K	810002985	8DFA-35K	810002986

DuraFlex AL - Aluminum Length



Use with Category I gas-burning appliances with draft hood. UL 1777 aluminum liner. Flex lengths available in 25', 35', and 50'.

SIZE	25' FLEX		35' FLEX		50' FLEX	
	ORDER #	STOCK #	ORDER #	STOCK #	ORDER #	STOCK #
3"	3DFA-25	810002987	3DFA-35	810002988	3DFA-50	810002989
4"	4DFA-25	810002997	4DFA-35	810002998	4DFA-50	810002999
5"	5DFA-25	810003007	5DFA-35	810003008	5DFA-50	810003009
5 1/2"	55DFA-25	810003017	55DFA-35	810003018	55DFA-50	810003019
6"	6DFA-25	810003026	6DFA-35	810003027	6DFA-50	810003028
7"	7DFA-25	810003036	7DFA-35	810003037	7DFA-50	810003038
8"	8DFA-25	810003046	8DFA-35	810003047	8DFA-50	810003048

DuraFlex AL - Aluminum Length



For use as air intake only. Aluminum flex liner available in 25', 35', and 50' flex lengths. Constructed of single-wall (1-ply) aluminum.

SIZE	25' FLEX		35' FLEX		50' FLEX	
	ORDER #	STOCK #	ORDER #	STOCK #	ORDER #	STOCK #
2"	2DFA-25	810004434	2DFA-35	810009458	2DFA-50	810009459

Coupler



Use to connect DuraFlex AL lengths to PolyPro. To be used in combustion air only. PPS-PAC may be used to secure connection.

SIZE	ORDER #	STOCK #
3"	3DFA-FCP	810004452
4"	4DFA-FCP	810004435

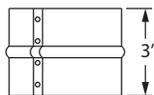
Hanger Bracket



Use to secure and hang DuraFlex AL lengths from top of enclosure. To be used on combustion air only. Must be used with FCT Chimney Cap or FK Lining Kit.

SIZE	ORDER #	STOCK #
3" - 4"	DFA-FCB	810004451

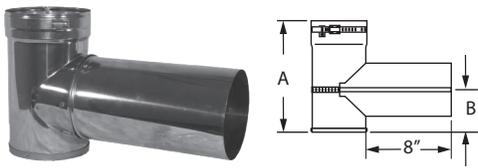
DuraFlex AL Coupling



Use to connect DuraFlex AL lengths to appliance, type B gas vent, or flex lengths.

SIZE	ORDER #	STOCK #	SIZE	ORDER #	STOCK #
3"	3DFA-FC	810002992	6"	6DFA-FC	810003029
4"	4DFA-FC	810003000	7"	7DFA-FC	810003039
5"	5DFA-FC	810003010	8"	8DFA-FC	810003049
5 1/2"	55DFA-FC	810003020			

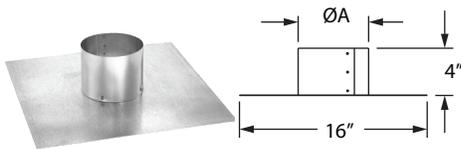
DuraFlex AL Tee w/ Cap



Use to attach to flex pipe with a fast connect band. Removable branch connects to the tee body with an internal fast connect band.

SIZE	ORDER #	STOCK #	A	B
3"	3DFA-T	810002991	8 ½"	3 ¼"
4"	4DFA-T	810003001	9 ½"	4 ¼"
5"	5DFA-T	810003011	9 ½"	4 ¼"
5 ½"	55DFA-T	810003021	10 ½"	4 ¾"
6"	6DFA-T	810003030	10 ½"	4 ¾"
7"	7DFA-T	810003040	11 ½"	4 ½"
8"	8DFA-T	810003050	13"	5 ¾"

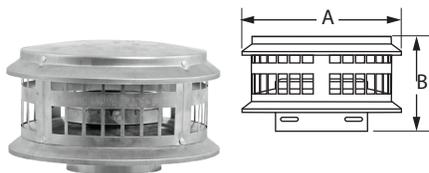
DuraFlex AL Top Plate



Use to seal the top of the masonry chimney.

SIZE	ORDER #	STOCK #	A	SIZE	ORDER #	STOCK #	A
3"	3DFA-TP	810002994	4"	6"	6DFA-TP	810003031	7"
4"	4DFA-TP	810003002	5"	7"	7DFA-TP	810003041	8"
5"	5DFA-TP	810003012	6"	8"	8DFA-TP	810003051	9"
5 ½"	55DFA-TP	810003022	6 ½"				

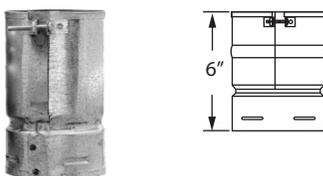
DuraFlex AL Cap



Use to terminate a relining system at the top of the masonry chimney. Supports flex with a fast connect band. Designed to fasten to flex length with fast connect band. No screws required.

SIZE	ORDER #	STOCK #	A	B
3"	3DFA-VC	810002990	8"	5"
4"	4DFA-VC	810003003	8"	5"
5"	5DFA-VC	810003013	11"	7 ½"
5 ½"	55DFA-VC	810003023	11"	7 ½"
6"	6DFA-VC	810003032	15"	7 ¼"
7"	7DFA-VC	810003042	15"	7 ¼"
8"	8DFA-VC	810003052	15"	9 ¾"

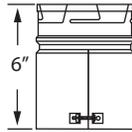
Female Flex Adapter



Use to connect DuraVent Type B Gas Vent products to DuraFlex AL.

SIZE	ORDER #	STOCK #	SIZE	ORDER #	STOCK #
3"	3DFA-FA	810002993	6"	6DFA-FA	810003033
4"	4DFA-FA	810003004	7"	7DFA-FA	810003043
5"	5DFA-FA	810003014	8"	8DFA-FA	810003053

Male Adapter



Use to connect DuraFlex AL to DuraVent Type B Gas Vent products.

SIZE	ORDER #	STOCK #	SIZE	ORDER #	STOCK #
3"	3GVAM	810002518	6"	6GVAM	810002662
4"	4GVAM	810002566	7"	7GVAM	810002700
5"	5GVAM	810002613	8"	8GVAM	810002735

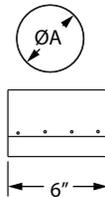
Universal B-vent To Aluminum Flex Adapter



Use to connect DuraFlex AL flex to any brand of B-vent.

SIZE	ORDER #	STOCK #	SIZE	ORDER #	STOCK #
3"	3DFA-ADBV	810007024	6"	6DFA-ADBV	810007027
4"	4DFA-ADBV	810007025	7"	7DFA-ADBV	810007028
5"	5DFA-ADBV	810007026	8"	8DFA-ADBV	810007029

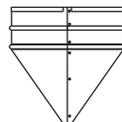
DuraFlex Mortar Sleeve



Use to protect DuraFlex when passing length through a masonry wall.

SIZE	ORDER #	STOCK #	A
3"	3DFS-MS	810002425	4"
4"	4DFS-MS	810002433	5"
5"	5DFS-MS	810002443	6"
5 1/2"	55DFS-MS	810002452	6 1/2"
6"	6DFS-MS	810002462	7"
7"	7DFS-MS	810002471	8"
8"	8DFS-MS	810002479	9"

DuraFlex Flex Puller



Use with a rope to guide DuraFlex lengths down masonry chimney.

SIZE	ORDER #	STOCK #	SIZE	ORDER #	STOCK #
3"	3DFS-FP	810002426	6"	6DFS-FP	810002463
4"	4DFS-FP	810002434	7"	7DFS-FP	810002472
5"	5DFS-FP	810002444	8"	8DFS-FP	810002480
5 1/2"	55DFS-FP	810002453			

Unit Heater Kit

Horizontal Unit Heater Kit



Use to horizontally vent unit heaters. Call for pricing.

Kit includes Appliance Adapter, 3"-4" Appliance Adapter/Increaser, 12" and (3) 24" Pipe Lengths, (2) 45° Elbows, Horizontal Round Cap, and Wall Thimble.

SIZE	ORDER #	STOCK #
4"	4UHK-KVNT	810006013