DuraVent®

SUBMITTAL RECORD

Type B Gas Vent

Type B Gas Vent system. Use with natural gas or liquid propane category I and 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.

3”- 30” Round and 4”, 5”, and 6” Oval

c UL us ULC

Listed to standards:
UL 441
UL 1777
ULC S605

SUBMITTAL RECORD	
PREPARED FOR:	
PROJECT NAME:	
CONTRACTOR:	
LOCATION:	
CONTACT:	
TELEPHONE:	FAX:
EMAIL:	
PREPARED BY:	
APPROVALS	
CONTRACTOR:	DATE:
ARCHITECT:	DATE:
ENGINEER:	DATE:

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	⅝" 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 ½" x 7 ¼" 3 ⅛" x 10 ⅞"	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 ¼" x 12"	Inner - .012" Aluminum Outer - .018" Galvanized	Button Lock	MH6357	CMH1276
Type B Vent 3" to 6" Round Liner	0"/Masonry	50 feet	⅝" larger than ID	Inner - .012" Aluminum Outer - .018" Galvanized	DuraLock	MH14420 MH6357	CMH1407

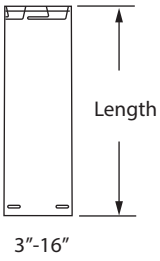
NOTES				
1. Clearance to combustibles is the air space between vent and combustibles.	2. Maximum height varies with equipment over 50', for taller applications refer to SDV sizing handbook (L202). 14"-16" Pipe require screws.	3. When oval is used on wall furnaces, minimum height required from bottom 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.

VENT TERMINATION CHART

	Minimum Height Above Roof	
Roof Pitch	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

Round Type B Gas Vent

Round Rigid Pipe



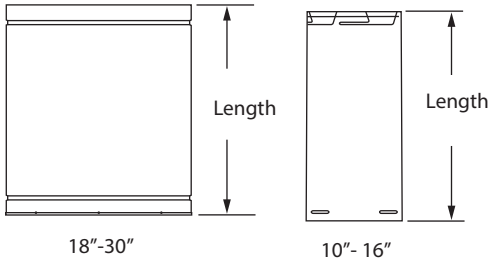
3″-16″

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.

To calculate installed length, subtract 1 ½″ from each connection of vent. A 1″ clearance (air space) to combustible materials must be maintained. To calculate OD add ⅝″.

SIZE	LENGTH	ORDER #	STOCK #	SIZE	LENGTH	ORDER #	STOCK #
3″	6″	3GV06	810002492	6″	6″	6GV06	810002631
3″	12″	3GV12	810002493	6″	12″	6GV12	810002632
3″	18″	3GV18	810002495	6″	18″	6GV18	810002634
3″	24″	3GV24	810002497	6″	24″	6GV24	810002636
3″	36″	3GV36	810002499	6″	36″	6GV36	810002638
3″	48″	3GV48	810002501	6″	48″	6GV48	810002640
3″	60″	3GV60	810002503	6″	60″	6GV60	810002642
4″	6″	4GV06	810002536	7″	6″	7GV06	810002679
4″	12″	4GV12	810002537	7″	12″	7GV12	810002680
4″	18″	4GV18	810002539	7″	18″	7GV18	810002681
4″	24″	4GV24	810002541	7″	24″	7GV24	810002683
4″	36″	4GV36	810002543	7″	36″	7GV36	810002685
4″	48″	4GV48	810002545	7″	48″	7GV48	810002687
4″	60″	4GV60	810002547	7″	60″	7GV60	810002689
5″	6″	5GV06	810002584	8″	12″	8GV12	810002717
5″	12″	5GV12	810002585	8″	18″	8GV18	810002718
5″	18″	5GV18	810002587	8″	24″	8GV24	810002720
5″	24″	5GV24	810002589	8″	36″	8GV36	810002722
5″	36″	5GV36	810002591	8″	48″	8GV48	810002724
5″	48″	5GV48	810002593	8″	60″	8GV60	810002726
5″	60″	5GV60	810002595				

Large Diameter Round Rigid Pipe

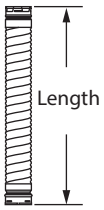


Type B Gas Vent systems may be used on other gas-burning appliances, when specified by appliance manufacturer. Type B Gas Vent is not used for Category II, III, or IV gas appliances, unless specified by appliance manufacturer.

To calculate installed length, subtract 1 ½″ (for 10″-16″ diameter) and 1 ⅛″ (for 18″-30″ diameter) from each connection of vent. A 1″ clearance (air space) to combustible materials must be maintained. 18″-30″ diameters are built to order and can not be returned.

SIZE	LENGTH	ORDER #	STOCK #	O.D.
10″	18″	10GV18	810002751	11″
10″	36″	10GV36	810002753	11″
12″	18″	12GV18	810002769	13″
12″	36″	12GV36	810002770	13″
14″	18″	14GV18	810002783	15″
14″	36″	14GV36	810002784	15″
16″	18″	16GV18	810002794	17″
16″	36″	16GV36	810002795	17″
18″	18″	18GV18	810002805	20″
18″	36″	18GV36	810002806	20″
20″	18″	20GV18	810002816	22″
20″	36″	20GV36	810002817	22″
22″	18″	22GV18	810002827	24″
22″	36″	22GV36	810002828	24″
24″	18″	24GV18	810002838	26″
24″	36″	24GV36	810002839	26″
26″	18″	26GV18	810002849	28″
26″	36″	26GV36	810002850	28″
28″	18″	28GV18	810002859	30″
28″	36″	28GV36	810002860	30″
30″	18″	30GV18	810002869	32″
30″	36″	30GV36	810002870	32″

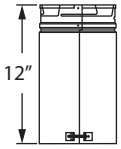
Flex Pipe



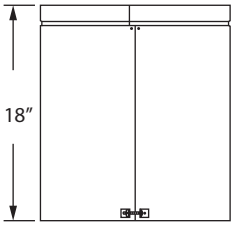
Use for offsets when relining a masonry chimney with DuraVent Type B Gas Vent. Add ⅝″ for OD.

SIZE	LENGTH	ORDER #	STOCK #
4″	5′	4GV60F	810002549
5″	5′	5GV60F	810002597
6″	5′	6GV60F	810002644

Round Adjustable Pipe



3″-12″

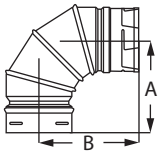


14″-30″

Use to add length to a straight length of Type B Gas Vent. 12″ adds 3″-10″ of length, 18″ adds 10″-16″ of length. Requires a 2″ overlap.

SIZE	LENGTH	ORDER #	STOCK #	SIZE	LENGTH	ORDER #	STOCK #
3″	3″ - 10″	3GV12A	810002505	16″	10″ - 16″	16GV18A	810002796
4″	3″ - 10″	4GV12A	810002550	18″	10″ - 16″	18GV18A	810002807
5″	3″ - 10″	5GV12A	810002598	20″	10″ - 16″	20GV18A	810002818
6″	3″ - 10″	6GV12A	810002645	22″	10″ - 16″	22GV18A	810002829
7″	3″ - 10″	7GV12A	810002691	24″	10″ - 16″	24GV18A	810002840
8″	3″ - 10″	8GV12A	810002728	26″	10″ - 16″	26GV18A	810002851
10″	3″ - 10″	10GV12A	810002755	28″	10″ - 16″	28GV18A	810002861
12″	3″ - 10″	12GV12A	810002772	30″	10″ - 16″	30GV18A	810002871
14″	10″ - 16″	14GV18A	810002785				

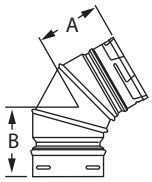
90° Adjustable Elbow



Offsets obstructions as needed. Elbows (3″-8″) swivel 360° at base. 90° Elbow is adjustable from 0° to 90° in sizes 3″-10″. Elbows must be supported when installed.

SIZE	ORDER #	STOCK #	A	B
3″	3GVL90	810002506	5 ½″	5 ¼″
4″	4GVL90	810002551	6″	5 ½″
5″	5GVL90	810002599	6 ½″	6 ½″
6″	6GVL90	810002646	6 ¾″	6 ¾″
7″	7GVL90	810002692	7 ¾″	7 ½″
8″	8GVL90	810002729	7 ¾″	7 ½″
10″	10GVL90	810002756	10 ¼″	9 ⅝″

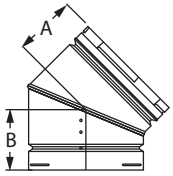
45°/60° Adjustable Elbow

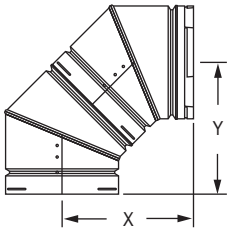


Offsets obstructions as needed. Elbows swivel 360° at base. 45°/60° Elbow is adjustable from 0° to 60°. Elbows must be supported when installed.

SIZE	ORDER #	STOCK #	A	B
3″	3GVL45	810002507	4″	4″
4″	4GVL45	810002552	4 ½″	4 ½″
5″	5GVL45	810002600	4 ½″	4 ½″
6″	6GVL45	810002647	5″	5″

45° Elbow



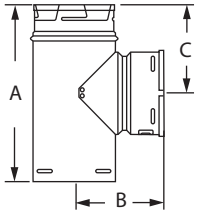


90° offset using two 45° Elbows

Offsets obstructions as needed. 45° Elbow in size 7″-30″. Elbows up to 10″ are adjustable. Sizes 12″ and larger are not adjustable. Elbows must be supported when installed.

SIZE	ORDER #	STOCK #	A	B	X	Y
7″	7GVL45	810002693	4 ¾″	4 ¾″	10 ½″	10 ½″
8″	8GVL45	810002730	4 ¾″	4 ¾″	10 ¼″	10 ¼″
10″	10GVL45	810002757	5 ½″	5 ¾″	--	--
12″	12GVL45	810002773	6 ⅛″	6 ¼″	13 ⅞″	14″
14″	14GVL45	810002786	6 ½″	6 ⅞″	14 ⅞″	15 ¼″
16″	16GVL45	810002797	7 ¼″	7 ⅜″	16 ½″	16 ½″
18″	18GVL45	810002808	9″	8 ½″	20 ⅛″	21 ⅞″
20″	20GVL45	810002819	9″	8 ⅜″	20 ¼″	21 ¾″
22″	22GVL45	810002830	8 ½″	9 ¾″	20 ⅜″	21 ⅝″
24″	24GVL45	810002841	9 ½″	9 ¾″	21″	21 ⅞″
26″	26GVL45	810002852	10 ¼″	10 ¼″	21 ½″	22 ¾″
28″	28GVL45	810002862	9 ¾″	10″	21 ½″	22 ¾″
30″	30GVL45	810002872	9 ¾″	10″	23 ¾″	24″

Standard Tee



Use for a 90° offset or to combine connectors from two or more appliances into a common vent. Branch swivels for alignment. 3″-8″ feature swivel on male end.

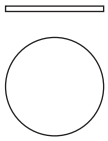
SIZE	ORDER #	STOCK #	A	B	C
3″	3GVT	810002508	9″	4 ½″	4 ¼″
4″	4GVT	810002553	9 ⅞″	4 ¾″	4 ¾″
5″	5GVT	810002601	11″	5 ½″	5 ¼″
6″	6GVT	810002648	12″	5 ¾″	5 ⅝″
7″	7GVT	810002694	13″	6 5⁄16″	6 ¼″
8″	8GVT	810002731	14″	7 ⅜″	7″
10″	10GVT	810002758	17 ½″	8 ½″	8 ¾″
12″	12GVT	810002774	19 ¾″	10″	9 ⅜″
14″	14GVT	810002787	20 ⅞″	11″	10 ½″
16″	16GVT	810002798	24 ½″	12 ¼″	12 ¼″
18″	18GVT	810002809	29″	15″	15″
20″	20GVT	810002820	32″	16″	16″
22″	22GVT	810002831	33″	17″	17″
24″	24GVT	810002842	35″	18″	18″
26″	26GVT	810002853	35 ½″	18 ½″	17 ¾″
28″	28GVT	810002863	36″	19″	18 ½″
30″	30GVT	810002873	41 ½″	20 ½″	20 ¾″

Reduction Tee

Attaches smaller pipe to branch and larger pipe to body. Use for a 90° offset or to combine connectors from two or more appliances into a common vent. Branch swivels for alignment.

SIZE	ORDER #	STOCK #	SIZE	ORDER #	STOCK #	SIZE	ORDER #	STOCK #
4″	4GVTR3	810002554	14″	14GVTR8	810010114	22″	22GVTR18	810010142
5″	5GVTR3	810002603	14″	14GVTR10	810010110	22″	22GVTR20	810010143
5″	5GVTR4	810002602	14″	14GVTR12	810010111	24″	24GVTR12	810010146
6″	6GVTR3	810002650	16″	16GVTR7	810010118	24″	24GVTR14	810010147
6″	6GVTR4	810002649	16″	16GVTR8	810010119	24″	24GVTR16	810010148
6″	6GVTR5	810002677	16″	16GVTR10	810010115	24″	24GVTR18	810010149
7″	7GVTR3	810002716	16″	16GVTR12	810010116	24″	24GVTR20	810010150
7″	7GVTR4	810002715	16″	16GVTR14	810005178	26″	26GVTR12	810010154
7″	7GVTR5	810002714	18″	18GVTR7	810010127	26″	26GVTR14	810010155
7″	7GVTR6	810002713	18″	18GVTR8	810010128	26″	26GVTR18	810010156
8″	8GVTR4	810002749	18″	18GVTR10	810010120	26″	26GVTR22	810010158
8″	8GVTR5	810002748	18″	18GVTR12	810010121	26″	26GVTR24	810010159
8″	8GVTR6	810002747	18″	18GVTR14	810010122	28″	28GVTR12	810010162
8″	8GVTR7	810002746	18″	18GVTR16	810010123	28″	28GVTR14	810010163
10″	10GVTR4	810005188	20″	20GVTR8	810010137	28″	28GVTR20	810010164
10″	10GVTR5	810010210	20″	20GVTR10	810005179	28″	28GVTR22	810010165
10″	10GVTR6	810005189	20″	20GVTR12	810010129	28″	28GVTR24	810010166
10″	10GVTR7	810010211	20″	20GVTR14	810010130	30″	30GVTR12	810010168
10″	10GVTR8	810005190	20″	20GVTR16	810010131	30″	30GVTR18	810010170
12″	12GVTR6	810005192	20″	20GVTR18	810010132	30″	30GVTR20	810010171
12″	12GVTR7	810010214	22″	22GVTR10	810010138	30″	30GVTR26	810010172
12″	12GVTR8	810010215	22″	22GVTR12	810010139	30″	30GVTR28	810010173
14″	14GVTR6	810005177	22″	22GVTR14	810010140			
14″	14GVTR7	810010113	22″	22GVTR16	810010141			

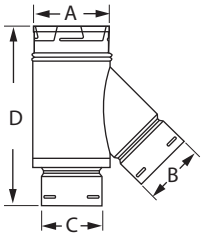
Tee Cap



Use to cap Standard Tee or Increaser Tee. Remove Tee Cap to inspect the system; clean out debris or collected condensate from the common vent. Fits on inner liner.

SIZE	ORDER #	STOCK #	SIZE	ORDER #	STOCK #
3″	3GVTC	810002509	16″	16GVTC	810002799
4″	4GVTC	810002555	18″	18GVTC	810002810
5″	5GVTC	810002604	20″	20GVTC	810002821
6″	6GVTC	810002651	22″	22GVTC	810002832
7″	7GVTC	810002695	24″	24GVTC	810002843
8″	8GVTC	810002732	26″	26GVTC	810002854
10″	10GVTC	810002759	28″	28GVTC	810002864
12″	12GVTC	810002775	30″	30GVTC	810002874
14″	14GVTC	810002788			

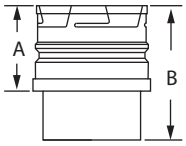
Double-Wall Wye - 45° Branch



Use to combine connectors from two or more appliances into a common vent. Branch swivels for alignment. Swivel on male end. Additional sizes available through special order.

SIZE	ORDER #	STOCK #	A	B	C	D
4″ x 4″ x 3″	4GVY43	810002556	4 1/2″	4 5/8″	3 5/8″	13 7/8″
4″ x 4″ x 4″	4GVY44	810002557	4 1/2″	4 5/8″	4 5/8″	13 7/8″
4″ x 3″ x 4″	4GVY34	810002558	4 1/2″	3 5/8″	4 5/8″	10 3/4″
5″ x 3″ x 4″	5GVY34	810002605	5 1/2″	3 5/8″	4 5/8″	12 1/4″
5″ x 4″ x 4″	5GVY44	810002606	5 1/2″	4 5/8″	4 5/8″	14″
5″ x 4″ x 5″	5GVY45	810002607	5 1/2″	4 5/8″	5 5/8″	12″
6″ x 3″ x 4″	6GVY34	810002652	6 1/2″	3 5/8″	4 5/8″	12 5/8″
6″ x 4″ x 3″	6GVY43	810002653	6 1/2″	4 5/8″	3 5/8″	13 1/2″
6″ x 4″ x 4″	6GVY44	810002654	6 1/2″	4 5/8″	4 5/8″	14″
6″ x 4″ x 5″	6GVY45	810002655	6 1/2″	4 5/8″	5 5/8″	13 1/4″
6″ x 3″ x 5″	6GVY35	810002656	6 1/2″	3 5/8″	5 5/8″	13 1/4″
6″ x 4″ x 6″	6GVY46	810002657	6 1/2″	4 5/8″	6 5/8″	12″
7″ x 3″ x 5″	7GVY35	810002696	7 1/2″	3 5/8″	5 5/8″	12 1/4″

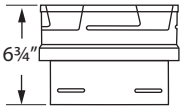
Draft Hood Connector

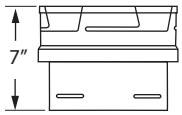


Use to connect appliance or single-wall connector to vent system.

SIZE	ORDER #	STOCK #	A	B
3″	3GVC	810002510	3″	6″
4″	4GVC	810002559	3″	6″
5″	5GVC	810002608	3″	6″
6″	6GVC	810002658	3″	6″
7″	7GVC	810002697	3″	6″
8″	8GVC	810002733	3″	6″
10″	10GVC	810002760	4″	7 3/8″
12″	12GVC	810002777	4″	7 3/8″
14″	14GVC	810002789	6″	10″
16″	16GVC	810002800	5 3/4″	10″
18″	18GVC	810002811	6″	12″
20″	20GVC	810002822	6″	12″
22″	22GVC	810002833	6″	14 3/4″
24″	24GVC	810002844	6″	14″

Increaser

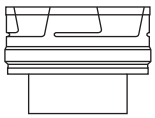




Use to increase vent diameter. Additional sizes available through special order.

SIZE	ORDER #	STOCK #	SIZE	ORDER #	STOCK #	SIZE	ORDER #	STOCK #
3" x 4"	3GVX4	810002511	8 x 14"	8GVX14	810005153	14" x 30"	14GVX30	810010222
3" x 5"	3GVX5	810002512	8 x 16"	8GVX16	810005164	16" x 18"	16GVX18	810005166
3" x 6"	3GVX6	810002513	8 x 18"	8GVX18	810005170	16" x 20"	16GVX20	810010074
3" x 7"	3GVX7	810002514	8 x 20"	8GVX20	810010105	16" x 22"	16GVX22	810010177
4" x 5"	4GVX5	810002560	10" x 12"	10GVX12	810002766	16" x 24"	16GVX24	810005183
4" x 6"	4GVX6	810002561	10" x 14"	10GVX14	810005152	16" x 26"	16GVX26	810010189
4" x 7"	4GVX7	810002562	10" x 16"	10GVX16	810005163	16" x 28"	16GVX28	810010198
4" x 8"	4GVX8	810002563	10" x 18"	10GVX18	810005169	16" x 30"	16GVX30	810010221
4" x 10"	4GVX10	810005150	10" x 20"	10GVX20	810005175	18" x 20"	18GVX20	810005172
5" x 6"	5GVX6	810002609	10" x 22"	10GVX22	810010178	18" x 22"	18GVX22	810010176
5" x 7"	5GVX7	810002610	10" x 24"	10GVX24	810010184	18" x 24"	18GVX24	810005182
5" x 8"	5GVX8	810002611	12" x 14"	12GVX14	810005151	18" x 26"	18GVX26	810010188
5" x 10"	5GVX10	810005149	12" x 16"	12GVX16	810005162	18" x 28"	18GVX28	810005187
5" x 12"	5GVX12	810010094	12" x 18"	12GVX18	810005168	18" x 30"	18GVX30	810010220
6" x 7"	6GVX7	810002659	12" x 20"	12GVX20	810005174	20" x 22"	20GVX22	810010175
6" x 8"	6GVX8	810002660	12" x 22"	12GVX22	810005181	20" x 24"	20GVX24	810010183
6" x 10"	6GVX10	810005148	12" x 24"	12GVX24	810005185	20" x 26"	20GVX26	810010187
6" x 12"	6GVX12	810005159	12" x 26"	12GVX26	810010191	20" x 28"	20GVX28	810010197
6" x 14"	6GVX14	810005155	12" x 28"	12GVX28	810010200	20" x 30"	20GVX30	810005193
7" x 8"	7GVX8	810002698	12" x 30"	12GVX30	810010223	22" x 24"	22GVX24	810010182
7" x 10"	7GVX10	810005147	14" x 16"	14GVX16	810005161	22" x 26"	22GVX26	810010186
7" x 12"	7GVX12	810005158	14" x 18"	14GVX18	810005167	22" x 28"	22GVX28	810010196
7" x 14"	7GVX8	810005154	14" x 20"	14GVX20	810005173	22" x 30"	22GVX30	810010219
7" x 16"	7GVX16	810009471	14" x 22"	14GVX22	810005180	24" x 26"	24GVX26	810010185
7" x 18"	7GVX18	810010099	14" x 24"	14GVX24	810005184	24" x 28"	24GVX28	810010195
8 x 10"	8GVX10	810002767	14" x 26"	14GVX26	810010190	24" x 30"	24GVX30	810010218
8 x 12"	8GVX12	810005157	14" x 28"	14GVX28	810010199	26" x 28"	26GVX28	810010194
						26" x 30"	26GVX30	810010217
						28" x 30"	28GVX30	810010216

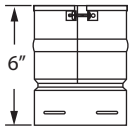
Draft Hood Increaser



Use to increase the vent diameter directly on top of the appliance.

SIZE	ORDER #	STOCK #
3"- 4"	3GVRRA4	810002515
3"- 5"	3GVRRA5	810002516
4"- 5"	4GVRRA5	810002564

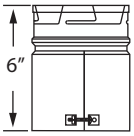
Female Adapter



Use to connect listed Type B Gas Vent system manufactured by other companies to existing DuraVent Type B Gas Vent. For adapting to flex see DuraFlex Female Flex Adapter.

SIZE	ORDER #	STOCK #	SIZE	ORDER #	STOCK #
3″	3GVAF	810002517	6″	6GVAF	810002661
4″	4GVAF	810002565	7″	7GVAF	810002699
5″	5GVAF	810002612	8″	8GVAF	810002734

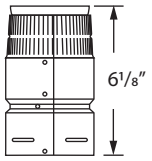
Male Adapter



Use to connect existing DuraVent Type B Gas Vent to a listed Type B Gas Vent system manufactured by other companies. Male adapter can also be used to attach to DuraFlex AL.

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

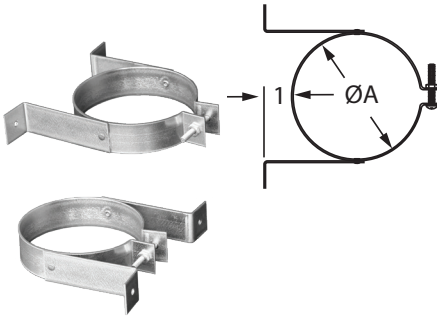
H/C Adapter



Use to connect DuraVent Type B Gas Vent products to an existing listed Type B Gas Vent system, manufactured by other companies using locking ring system.

SIZE	ORDER #	STOCK #
3″	3GVADHC	810002519
4″	4GVADHC	810002567
5″	5GVADHC	810002614
6″	6GVADHC	810002663

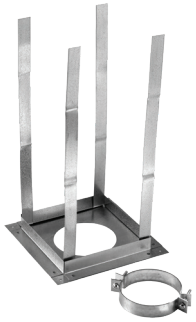
Wall Strap

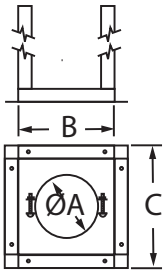


Use to provide support for offsets and horizontal runs. Recommended every 4' to support vertical common vent. Use also with DuraConnect or DuraConnect II. 10″ Type B gas vent (11″ OD) uses a 7″ DuraPlus Chimney Wall Strap. Wall Strap legs can be rotated 360˚ to conceal screw.

SIZE	ORDER #	STOCK #	A
3″	3GVWS	810002520	3 5/8″
4″	4GVWS	810002568	4 5/8″
5″	5GVWS	810002615	5 5/8″
6″	6GVWS	810002664	6 5/8″
7″	7GVWS	810002701	7 5/8″
8″	8GVWS	810002736	8 5/8″
10″	7DP-WS	810000590	10 5/8″

Square Firestop Support

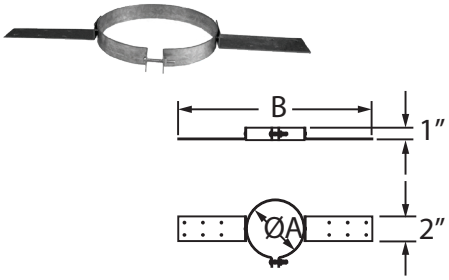




Use to support vent at ceiling level. Includes clamp that supports and prevents pipe sections from slipping down. Provides the mandatory 1" clearance to combustibles. Straps extend 16".

SIZE	ORDER #	STOCK #	A	B	C
3"	3GVRS	810002521	3 3/4"	5 3/4"	7 3/4"
4"	4GVRS	810002569	4 3/4"	6 3/4"	8 3/4"
5"	5GVRS	810002616	5 3/4"	7 3/4"	9 3/4"
6"	6GVRS	810002665	6 3/4"	8 3/4"	10 3/4"
7"	7GVRS	810002702	7 3/4"	9 3/4"	11 3/4"
8"	8GVRS	810002737	8 3/4"	10 3/4"	12 3/4"
10"	10GVRS	810002761	10 3/4"	12 3/4"	14 3/4"
12"	12GVRS	810002779	12 3/4"	14 3/4"	16 3/4"

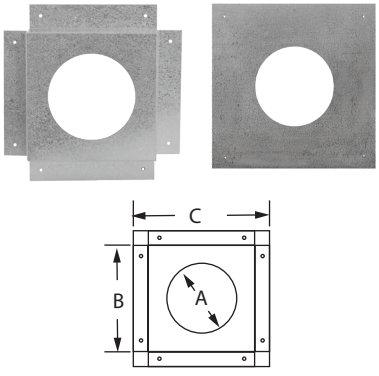
Gas Vent Roof Support



Use to support Type B gas vent pipe at roof level. Can be used when DuraConnect II is installed in attic space.

SIZE	ORDER #	STOCK #	A	B
3"	3GVS	810002522	3 5/8"	14 3/4"
4"	4GVS	810002570	4 5/8"	15 3/4"
5"	5GVS	810002617	5 5/8"	16 3/4"
6"	6GVS	810002666	6 5/8"	17 3/4"

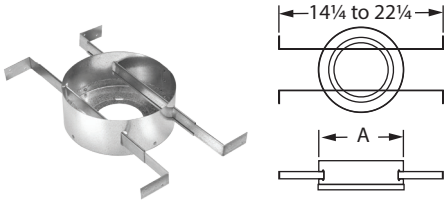
Firestop Spacer



Use at every ceiling level where Square Firestop Support is not used. 3"-6" style shown in left photo. 7"-12" style shown in right photo.

SIZE	ORDER #	STOCK #	A	B	C
3"	3GVFS	810002523	3 3/4"	5 3/4"	7 3/4"
4"	4GVFS	810002571	4 3/4"	6 3/4"	8 3/4"
5"	5GVFS	810002618	5 3/4"	7 3/4"	9 3/4"
6"	6GVFS	810002667	6 3/4"	8 3/4"	10 3/4"
7"	7GVFS	810002703	7 3/4"	9 3/4"	11 5/8"
8"	8GVFS	810002738	8 3/4"	10 3/4"	12 5/8""
10"	10GVFS	810002762	10 3/4"	12 3/4"	15"
12"	12GVFS	810002776	12 3/4"	14 3/4"	17"

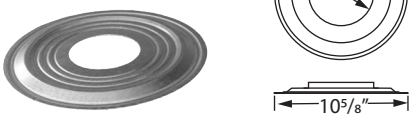
Round Bucket Support



Use to support the Type B gas vent between 16″ to 24″ on-center joists or rafters. Use with a Draft Hood Connector to transition fitting between single-wall connector and Type B gas vent pipe sections. A Firestop Spacer is required.

SIZE	ORDER #	STOCK #	A
3″- 4″	3GVRS4	810002524	7″
5″- 6″	5GVRS6	810002619	8″
7″- 8″	7GVRS8	810002704	10″

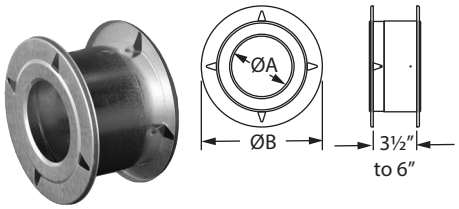
Pipe Collar



Use for decorative purposes. Optional.

SIZE	ORDER #	STOCK #	A
3″	3GVPC	810002525	3¾″
4″	4GVPC	810002572	4¾″
5″	5GVPC	810002620	5¾″
6″	6GVPC	810002668	6¾″

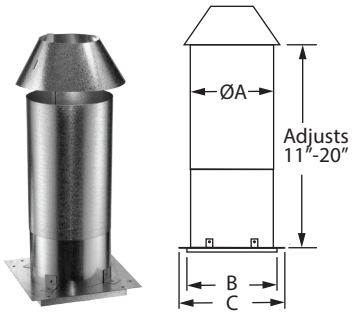
Wall Thimble



Use for through-the-wall system to provide clearances for vent from combustibles. Adjusts from 3½″ to 6″ to accommodate various wall thicknesses. Larger diameter wall thimbles are field-fabricated. (See local codes for guidelines.)

SIZE	ORDER #	STOCK #	A	B
3″	3GVWT	810002526	3¾″	7½″
4″	4GVWT	810002573	4¾″	8½″
5″	5GVWT	810002621	5¾″	9½″
6″	6GVWT	810002669	6¾″	10½″
7″	7GVWT	810002705	7¾″	11½″
8″	8GVWT	810002739	8¾″	12½″

Attic Insulation Shield

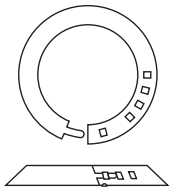


Required for installations that pass through an attic to prevent insulation and debris from accumulating near the vent.

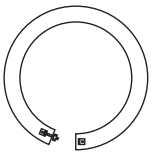
SIZE	ORDER #	STOCK #	A	B	C
3″- 4″	3GVIS	810002527	6¾″	7 3⁄16″	9¼″
5″- 6″	5GVIS	810002622	8¾″	8 15⁄16″	11″
7″- 8″	7GVIS	810002706	10¾″	10 5⁄16″	13″

Storm Collar

3″ - 7″



10″-14″

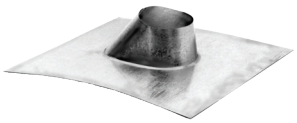


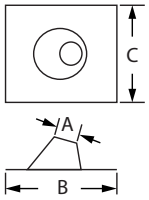
16″ - 30″

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

SIZE	ORDER #	STOCK #	A	SIZE	ORDER #	STOCK #	A
3″	3GVSC	810002528	3 5/8″	16″	16GVSC	810002801	17″
4″	4GVSC	810002574	4 5/8″	18″	18GVSC	810002812	19″
5″	5GVSC	810002623	5 5/8″	20″	20GVSC	810002823	22″
6″	6GVSC	810002670	6 5/8″	22″	22GVSC	810002834	24″
7″	7GVSC	810002707	7 5/8″	24″	24GVSC	810002845	26″
8″	8GVSC	810002740	8 5/8″	26″	26GVSC	810002855	28″
10″	10GVSC	810002763	11″	28″	28GVSC	810002865	30″
12″	12GVSC	810002778	13″	30″	30GVSC	810002875	32″
14″	14GVSC	810002790	15″				

Adjustable Roof Flashing

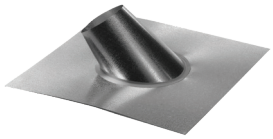


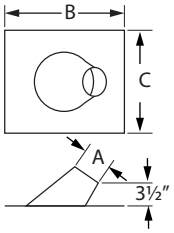


Use to weather proof the penetration of vent pipe through the roof. Storm Collar required. Select roof flashing based on pitch of roof. For pitches of 0/12 - 6/12. Made of galvalume.

SIZE	ORDER #	STOCK #	A	B	C
3″	3GVF	810002529	3 5/8″	16″	16″
4″	4GVF	810002575	4 5/8″	17″	17″
5″	5GVF	810002624	5 5/8″	18 3/8″	18 3/8″
6″	6GVF	810002671	6 3/4″	19 1/4″	19 1/4″
7″	7GVF	810002708	7 3/4″	20 5/8″	20 5/8″
8″	8GVF	810002741	8 3/4″	21 1/2″	21 1/2″
10″	10GVF	810002764	12 1/2″	26 1/8″	26″
12″	12GVF	810002780	13 1/2″	26 1/8″	26″
14″	14GVF	810002791	15″	32″	30″
16″	16GVF	810002802	17″	32 3/16″	30 3/16″
18″	18GVF	810002813	19 3/4″	39″	36″
20″	20GVF	810002824	23″	43″	40″
22″	22GVF	810002835	24 11/16″	39 11/16″	41 11/16″
24″	24GVF	810002846	26″	45″	44 3/4″
26″	26GVF	810002856	28 5/8″	52″	48″
28″	28GVF	810002866	30 7/8″	49 1/2″	47 1/2″
30″	30GVF	810002876	33″	51″	49″

Steep Roof Flashing

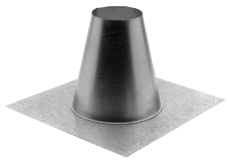


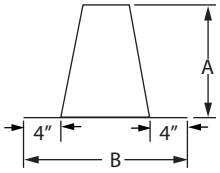


Use to weather proof the penetration of vent pipe through the roof. Storm Collar required. Select roof flashing based on pitch of roof. For pitches of 7/12 - 12/12. Made of galvalume.

SIZE	ORDER #	STOCK #	A	B	C
3″	3GVFSR	810002530	3 ¾″	19 ¾″	14 ¾″
4″	4GVFSR	810002576	4 ¾″	19 ¾″	14 ¾″
5″	5GVFSR	810002625	5 ¾″	22″	16 13⁄16″
6″	6GVFSR	810002672	6 ¾″	22″	16 13⁄16″
7″	7GVFSR	810002709	7 ¾″	27 7⁄8″	18 3⁄16″
8″	8GVFSR	810002742	8 ¾″	27 7⁄8″	18 3⁄16″

Tall Cone Flat Flashing

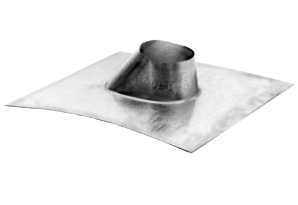




Use to weather proof the penetration of vent pipe through the roof. Storm Collar required. Select roof flashing based on pitch of roof. Use on flat roofs, chase enclosures, or masonry chimney. Made of galvalume.

SIZE	ORDER #	STOCK #	A	B
3″	3GVFF	810002531	11 ¼″	16″
4″	4GVFF	810002577	11 ¼″	17″
5″	5GVFF	810002626	11 ¼″	18 ¼″
6″	6GVFF	810002673	10 7⁄8″	18 ¼″
7″	7GVFF	810002710	11 ¼″	21 ½″
8″	8GVFF	810002743	11 ¼″	21 ½″
10″	10GVFF	810002765	11 ¼″	25 ½″
12″	12GVFF	810002781	12″	29 ½″
14″	14GVFF	810002792	12″	32″
16″	16GVFF	810002803	12″	36″
18″	18GVFF	810002814	12″	36″
20″	20GVFF	810002825	12″	38″
22″	22GVFF	810002836	12″	40″
24″	24GVFF	810002847	12″	44 ¾″
26″	26GVFF	810002857	12″	44 ¾″
28″	28GVFF	810002867	12″	48″
30″	30GVFF	810002877	12″	48″

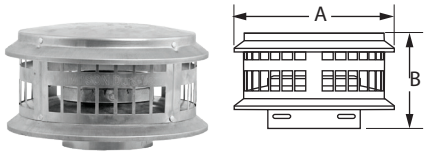
DSA Roof Flashing



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
3″	3GVFDSA	810002533	3 5⁄8″	19 3⁄8″	23″
4″	4GVFDSA	810002578	4 5⁄8″	19 3⁄8″	23″
5″	5GVFDSA	810002627	5 5⁄8″	22″	24 13⁄16″
6″	6GVFDSA	810002674	6 3⁄4″	22″	24 13⁄16″

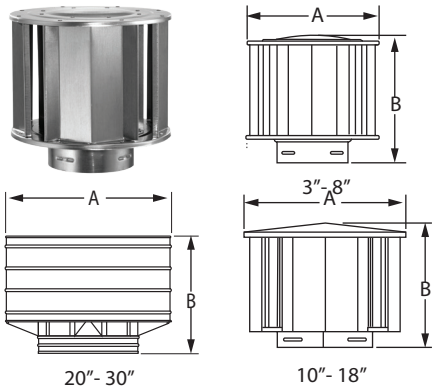
DuraCap



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

SIZE	ORDER #	STOCK #	A	B
3″	3GVDC	810002534	8″	5″
4″	4GVDC	810002579	8″	5″
5″	5GVDC	810002628	11″	7 1⁄2″
6″	6GVDC	810002675	11″	7 1⁄2″
7″	7GVDC	810002711	15″	7 1⁄4″
8″	8GVDC	810002744	15″	7 1⁄4″

High-Wind Cap



Use for vertical terminations only. Provides improved performance in high wind conditions. For vertical terminations only.

SIZE	ORDER #	STOCK #	A	B
3″	3GVVTH	810002535	7 1⁄2″	7 1⁄4″
4″	4GVVTH	810002581	8 1⁄2″	8 1⁄4″
5″	5GVVTH	810002629	9 1⁄2″	9 3⁄8″
6″	6GVVTH	810002676	10 1⁄2″	9 1⁄4″
7″	7GVVTH	810002712	11 1⁄2″	11 3⁄4″
8″	8GVVTH	810002745	12 1⁄2″	12 3⁄4″
10″	10GVVT	810002768	17 1⁄2″	16″
12″	12GVVT	810002782	19 1⁄4″	18 3⁄4″
14″	14GVVT	810002793	24″	23″
16″	16GVVT	810002804	26″	19 1⁄2″
18″	18GVVT	810002815	30″	21 1⁄2″
20″	20GVVT	810002826	34″	23 1⁄2″
22″	22GVVT	810002837	36″	25 1⁄2″
24″	24GVVT	810002848	39″	27 1⁄2″
26″	26GVVT	810002858	44″	29 1⁄2″
28″	28GVVT	810002868	48″	31 1⁄2″
30″	30GVVT	810002878	50″	33 1⁄2″

Oval Type B Gas Vent

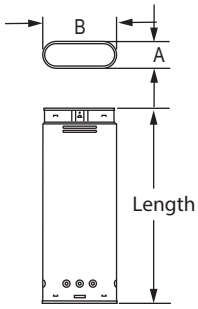
Oval Installation Kit

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

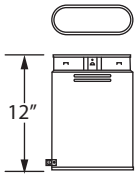
Oval Rigid Pipe



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 ½″	7 ¼″
4″	12″	4GW12	810002881	2 ½″	7 ¼″
4″	18″	4GW18	810002882	2 ½″	7 ¼″
4″	24″	4GW24	810002883	2 ½″	7 ¼″
4″	36″	4GW36	810002884	2 ½″	7 ¼″
4″	48″	4GW48	810002885	2 ½″	7 ¼″
4″	60″	4GW60	810002886	2 ½″	7 ¼″
5″	6″	5GW06	810002906	3 ⅛″	10 ⅞″
5″	12″	5GW12	810002907	3 ⅛″	10 ⅞″
5″	18″	5GW18	810002908	3 ⅛″	10 ⅞″
5″	24″	5GW24	810002909	3 ⅛″	10 ⅞″
5″	36″	5GW36	810002910	3 ⅛″	10 ⅞″
5″	48″	5GW48	810002911	3 ⅛″	10 ⅞″
5″	60″	5GW60	810002912	3 ⅛″	10 ⅞″
6″	6″	6GW06	810002930	3 ¼″	11 ⅞″
6″	12″	6GW12	810002931	3 ¼″	11 ⅞″
6″	18″	6GW18	810002932	3 ¼″	11 ⅞″
6″	36″	6GW36	810002934	3 ¼″	11 ⅞″
6″	48″	6GW48	810002935	3 ¼″	11 ⅞″

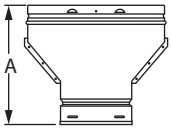
Oval Adjustable Pipe



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

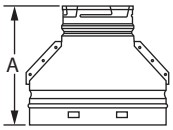
Round-To-Oval Adapter



Use to convert from round to oval vent.

SIZE	ORDER #	STOCK #	A
3″ to 4″	4GWAR3	810002889	9 ¼″
4″	4GWAR0	810002890	9 ¼″
5″	5GWAR0	810002915	9 ⅜″
6″	6GWAR0	810002939	11 ½″

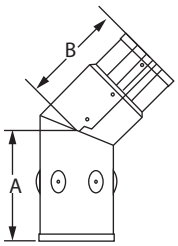
Oval-To-Round Adapter



Use to convert from oval to round vent.

SIZE	ORDER #	STOCK #	A
4″	4GWAOR	810002891	9 ¼″
5″	5GWAOR	810002916	9 ⅞″

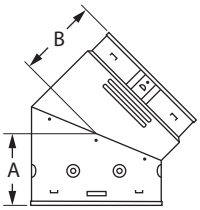
Oval 45° Elbow - Standard



Offsets obstructions as needed. Not adjustable.

SIZE	ORDER #	STOCK #	A	B
4″	4GWL45	810002892	3 ⅝″	3 ½″
5″	5GWL45	810002917	4 ⅛″	5″
6″	6GWL45	810002941	5″	5″

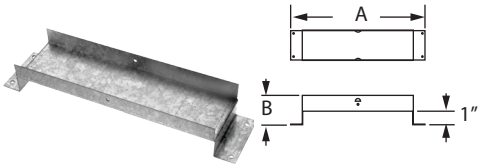
Oval 45° Elbow - Flat



Offsets obstructions as needed. Not adjustable.

SIZE	ORDER #	STOCK #	A	B
4″	4GWL45F	810002893	4 ½″	4 ⅛″
5″	5GWL45F	810002918	5 ¼″	5 ⅝″
6″	6GWL45F	810002942	5 ¾″	4 ¾″

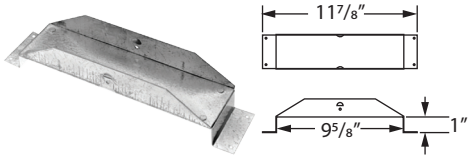
Oval Tee Support - Plain



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

SIZE	ORDER #	STOCK #	A	B
5″	5GWTS	810002919	13 ⅞″	2 ⅛″

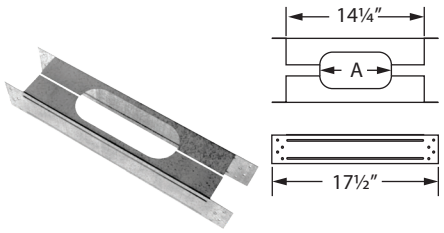
Oval Tee Support - Base Plate



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

SIZE	ORDER #	STOCK #
4″	4GWPS	810002894

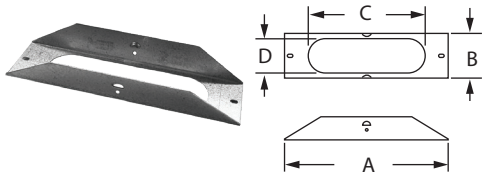
Oval Firestop Spacer



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 ½″
4″	4GWFS2X6	810002896	7 ½″
5″	5GWFS	810002920	11″
5″	5GWFS2X6	810002921	11″

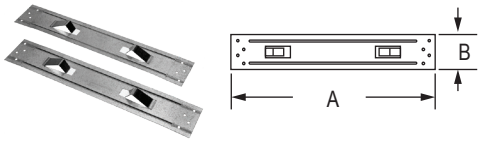
Oval Base Plate



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″

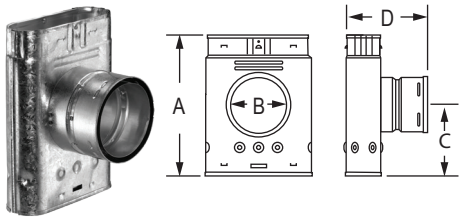
Oval Ceiling Plate Spacer



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 ½″	3″

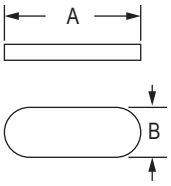
Oval Standard Tee



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 ¼″	4″	5 ¼″	6″
5″	5GWT	810002922	11 ¾″	5″	6 ¼″	6 ¼″
6″	6GWT	810002945	12 ⅛″	6″	6″	7″

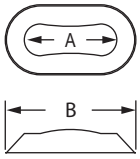
Oval Tee Cap



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″

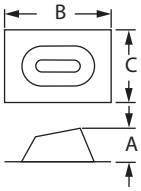
Oval Storm Collar



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″

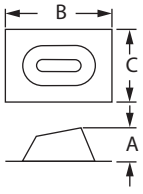
Oval Adjustable Roof Flashing



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″

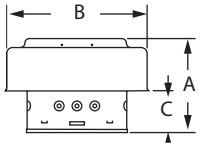
Oval DSA Roof Flashing



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″

GENERAL INSTALLATION NOTES
Round Type B Gas Vent

Type B Gas Vents are for venting listed Natural Gas or Liquid Propane Category I appliances only. The appliances listed below typically (but not always) use Type B vent systems:
-Boilers
-Furnaces
-Water Heaters
-Unit Heaters
-Room Heaters
-Duct Furnaces
-Floor Furnaces
-Decorative Gas Appliances

DuraVent Type B Vent Systems may be used on other gas-burning appliances, provided the manufacturer of the appliance states in their installation instructions that Type B-vent is acceptable. Do not use Type B Vents for Category II, III, or IV gas appliances. Type B Vent shall not be used to vent flue products from incinerators, combination gas/oil appliances, oil-fired, or wood-burning appliances. If there is a question about the use of Type B Vents, contact the appliance manufacturer or DuraVent's Engineering Department for further information.

PLANNING

1. Appliances. Carefully review the appliance manufacturer's installation instructions for positioning the unit, any special venting or connector requirements, and verify that it is a Category I appliance or an appliance that requires the use of Type B gas vent.

2. Placement. The placement of the vent and fittings must be in accordance with Local Codes, as well as accepted venting practices. If more than one appliance is to be connected to one venting system, the common vent must be correctly sized. It is a good idea to make a sketch of the proposed installation, labeling the components you will need. Adjustable Pipe Lengths are available to make up odd lengths. Minimize the number of turns and lateral runs, as the National Fuel Gas Code places limitations on these. A 45° turn is preferable to a 90° turn. The appliance reference material should be consulted at this time, as well as any Local Authority having jurisdiction. In most localities, building permits are required for any new appliances, or modifications to existing venting systems.

3. Figures 1, 2, & 3 show examples of some typical residential installations.

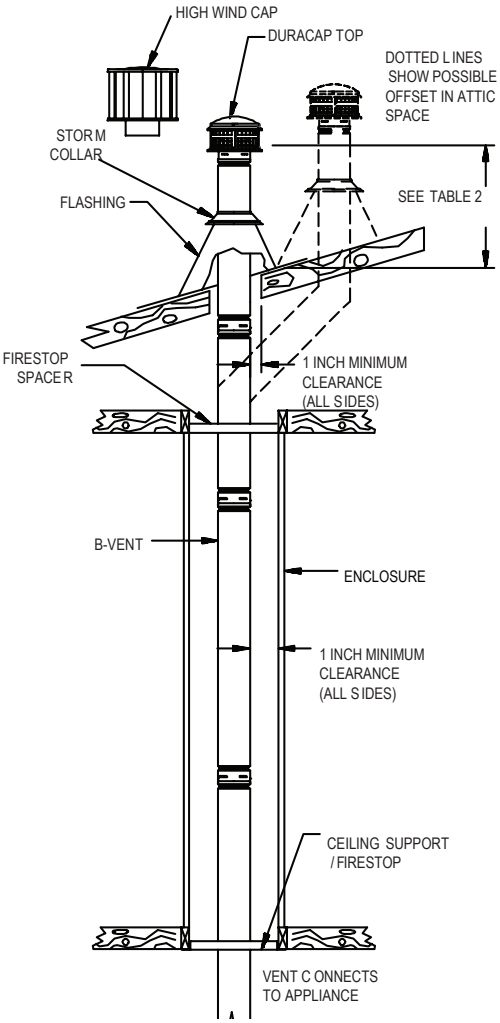


Figure 1

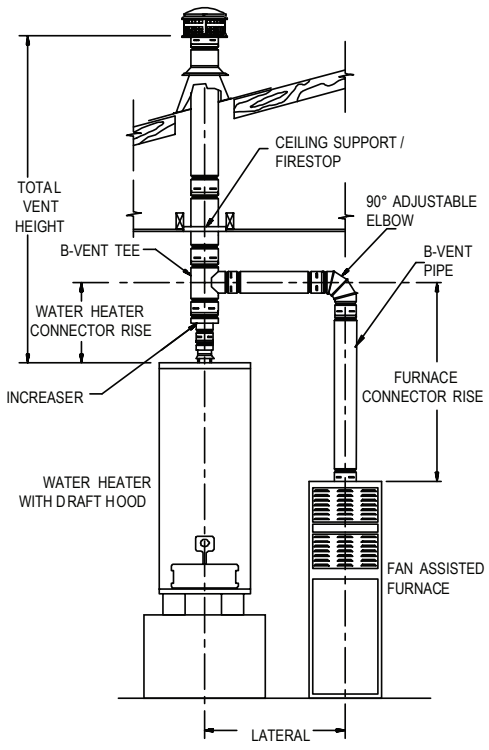


Figure 2

4. Clearance to Combustibles. A 1-inch clearance (air space) to combustible materials must be maintained, when using DuraVent Round B-Vent, regardless of the pipe diameter.

5. Combustion Air. Refer to appliance installation instructions and local building codes to ensure compliance with required volume of combustion air for each appliance installed.

6. Slope. If the venting system contains lateral (horizontal) components, they shall be positioned so they have an upwards slope away from the appliance of not less than 1/4-inch rise per foot of run. (Horizontal vent installed in attics, unconditioned area, or between floors have further restrictions, please consult your local building codes for specific limitations).

7. Termination Area. Examine the area where the vent system will terminate. The height of the termination above the roof is determined by the roof pitch, and also it's proximity to adjacent walls or obstructions. Consult Table 2 for proper termination height requirements. Vent pipe with 3"-12" diameter must terminate at least 2 feet higher than an adjacent wall or obstruction, if it is within 8 feet. Vent pipe with 14" or larger diameter must terminate at least 2 feet higher than an adjacent wall or obstruction, if it is within 10 feet.

8. Connector Rise. Plan a minimum of one foot vertical connector rise coming out of each appliance.

STEPS FOR TYPICAL INSTALLATION

1. Location. Building Code requires the appliance(s) to be located as close to the vent as possible. After consulting the local codes, appliance installation instructions and any other applicable reference material determine the optimum location for the appliance(s).

2. Penetration Point. Locate and mark the center of the penetration point through the ceiling or the wall. Refer to ***Step 3 or 4,*** as appropriate.

3. Ceiling Support. For a ceiling supported system, install the Square Firestop/Support as shown in ***Figures 6, 7, and 8.*** The Firestop Support must be framed in and the dimensions are shown in ***Table 1*** and shown in ***Figure 4***. Firestop Supports are currently manufactured for pipe sizes of 3" through 12" only. Larger sizes may be locally fabricated from sheet metal, provided that the mandatory 1-inch

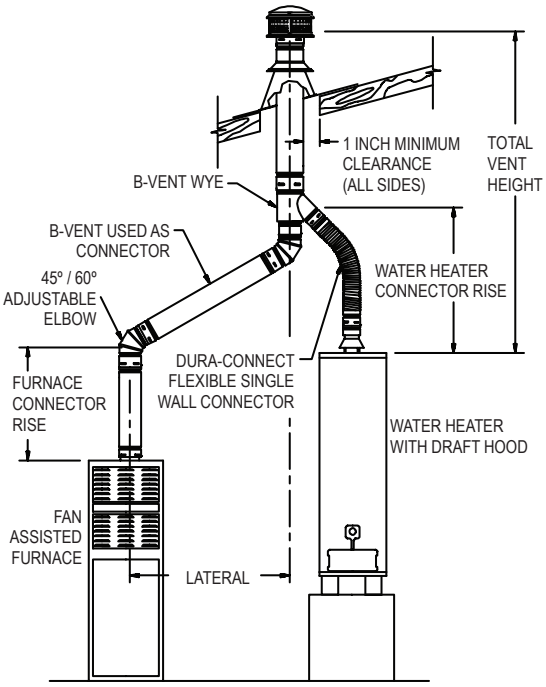


Figure 3

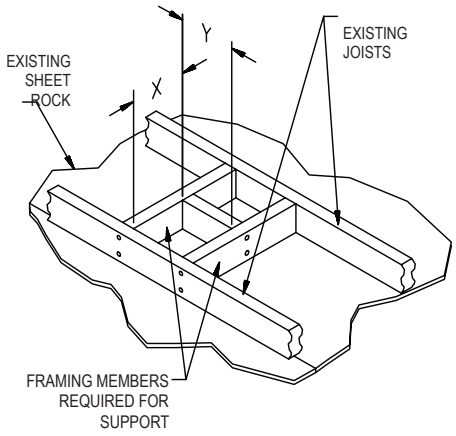


Figure 4

TABLE 1		
PIPE SIZE	STOCK NUMBER OF CEILING SUPPORT	FRAMED INSIDE DIMENSIONS (X & Y) FIG.4
3 INCH	1440	6"x6"
4 INCH	1441	7"x7"
5 INCH	1442	8"x8"
6 INCH	1443	9"x9"
7 INCH	1444	10"x10"
8 INCH	1445	11"x11"
10 INCH	1446	13"x13"
12 INCH	1447	15"x15"

clearance is maintained, the pipe is adequately supported, and the installation is acceptable to Local Authorities. In multistory buildings, a Firestop/Spacer must be provided at every floor /ceiling level other than the first floor which requires a support.

4. Wall Thimble. For a through-the-wall system, install the Wall Thimble, as shown in ***Figure 5***. The Wall Thimble is designed to accommodate walls up to 6 inches thick. If you have thicker walls, a sleeve extension should be fabricated and attached to the existing sleeve . Do not fill the air space between the B-vent Pipe Section and the Wall Thimble with insulation, although an RTV-type sealant may be applied around the flange and nail heads if desired.

5. Pipe Assembly. Sections of DuraVent round pipe are joined together by lining up the female end of the locking lug with the male end slot, pushing them together, and turning clockwise to twist lock. Refer to ***Figure 9***. Sheet metal screws are not needed for 3" through 8" diameter pipe. However, if desired, use 1/4-inch long sheet metal screws for 3" through 8" diameter pipe. Never penetrate the inner liner with screws. For 10" through 16" diameter pipe, DuraVent recommends using a minimum of (4) 3/8" sheet metal screws per joint, and a minimum of (6) 3/8" sheet metal screws are required per joint for 18" and larger diameters. Each Pipe Section is labeled, and an arrow shows the direction of the exhaust flow. For ceiling supported installations, place a Pipe Section, or assembled Pipe Sections, through the hole in the Square Firestop Support, and tighten the Clamp. The Clamp will rest inside the Ceiling Support, and prevent the Pipe Sections from dropping down. The Pipe Section(s) should protrude a minimum of one inch below the ceiling. An optional Pipe Collar is available for decorative purposes.

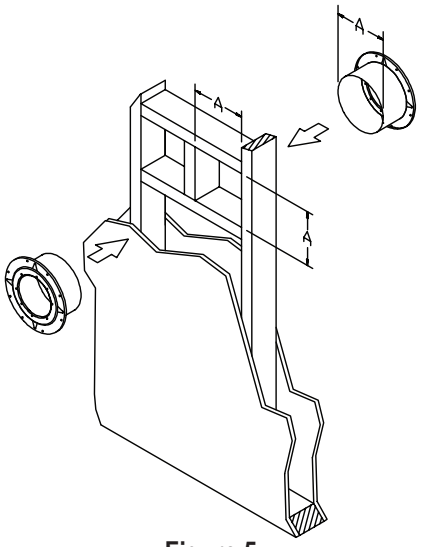


Figure 5

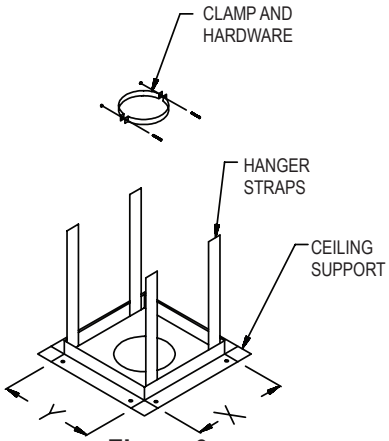


Figure 6

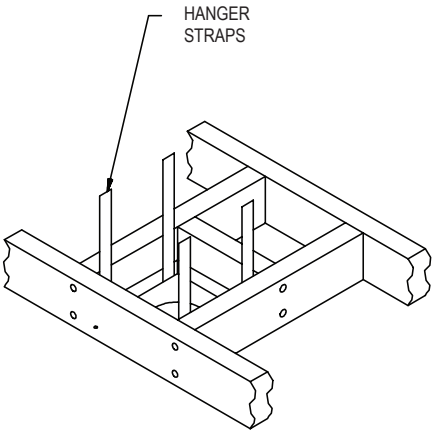


Figure 7

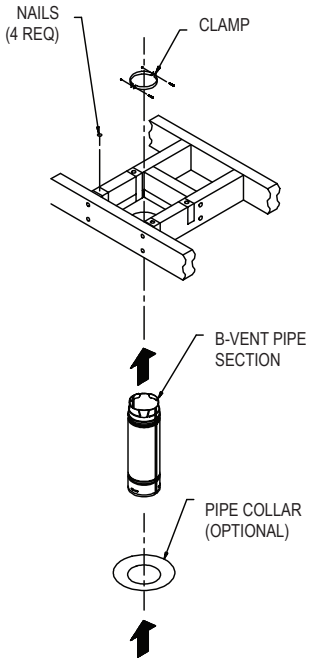


Figure 8

6. Connectors. Only DuraVent connectors should be used between the appliances and the venting system. Some appliances require Type B-Vent as a complete dedicated system from the flue collar of the appliance to the termination of the vent to the outside atmosphere. DuraVent's DuraConnect, a UL listed flexible connector, can be used if single wall connectors are allowed. If a B-vent connector is required, UL listed double wall flexible DuraConnect II, can be used.

7. Elbows. When Elbows are required, strap the Pipe Sections and/or Elbows in place using Wall Straps. **Important**: the offset must be supported with Wall Straps to prevent the weight from stressing the elbows, as shown in ***Figure 10***.

8. Tees and Wyes. Tees and Wyes are used to combine connectors from 2 or more appliances into a common vent as shown in ***Figures 2 and 3***. A Tee should be used in a through-the-wall application, (***Figure 11***), as they have a removable Tee Cap (available as a separate item) attached to the bottom. This Tee Cap may be removed in order to inspect the system, or to clean out debris or collected condensate from the common vent. Wall Straps should be used to support the vertical pipe as needed to provide a secure installation. Wall Straps every four feet are required.

9. Enclosures. Any portion of the vent which passes through an occupied area must be enclosed, to prevent accidental damage to the system, as well as burns. ***Figure 1*** shows a system which passes through an occupied second floor. DuraVent does not recommend installation of B-Vent Pipe on the outside wall of a building, particularly in cold climates. If it is necessary to do this, enclose the outside portion of the system in a chase, as shown in ***Figure 11***. Consult the Local Authority prior to construction. Note that the enclosure requires an access door for inspection and maintenance purposes.

10. Terminations. Where the Pipe Sections pass through the roof, a hole must be cut to provide a minimum clearance (air space) of 1 inch between the Pipe and construction materials. Straight lengths of pipe are run up above the roof a minimum of 1-foot. (***Refer to Table 2***) A Roof Flashing is placed down over the pipe, and adjusted so it fits tightly against the roof, with the Pipe Section held in a position maintaining the 1 inch minimum clearance from combustibles. The Flashing is then nailed to the roof. The roofing material (shingles, asphalt paper, etc.) should overlap the top edge (uphill side) of the Flashing. A non-hardening sealant should be used around the edges of the flashing base where it meets the roof. Non-hardening sealant is placed around the joint between the Flashing and the vertical Pipe Section and the Storm Collar is then placed over this joint, to make a watertight seal. (***Figure 12***) Add sufficient Pipe Sections to attain the minimum height specified in ***Table 2 (see next page)***. To connect the Termination Cap to the pipe, hold Cap by its collar, slide collar over locking lugs of pipe, and twist-lock clockwise. Termination Caps of diameters greater than 16 inches do not twist-lock, but are affixed with sheet metal screws.

11. Inspection. This completes the installation steps. Conduct a final inspection to ensure that all joints are secure, the system is properly supported, and is mechanically sound. Especially verify that the one-inch clearance to combustibles requirement has been met, and that adequate combustion air will be furnished to the appliance.

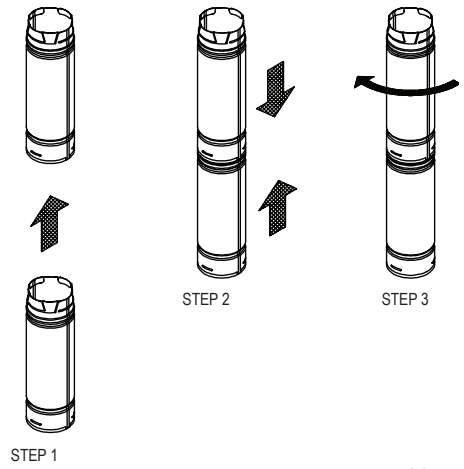


Figure 9

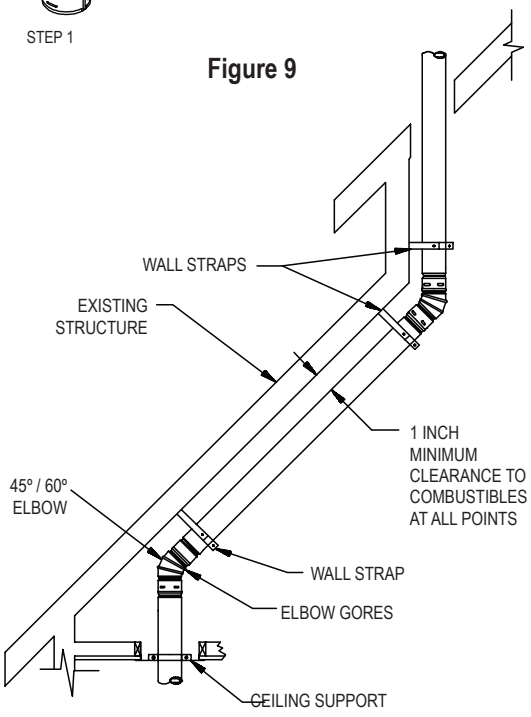


Figure 10

BUCKET SUPPORT

1. Description. The Bucket Support (***Figure 13***) is for properly supporting the B-vent between 16 or 24-inch O.C. joists or rafters, or for providing a transition fitting between DuraConnect or DuraConnect II and the B-vent Pipe Sections. A maximum of 20 feet of Type B Gas Vent may be supported. Note that the Bucket Support must be installed prior to the sheet rock.

2. Assembly. After you have determined where the B-vent should be located, assemble the Bucket Support and Brackets. Nail the assembly to the bottom side of the joist material as shown in ***Figure 14***. After the Support Bucket is in place, scribe and cut out a hole in the sheet rock 1/8" larger than the diameter of the Bucket, and nail into place. Run the Pipe Sections through the hole in the Bucket Support, connect the DuraConnect or DuraConnect II Connector, and attach the Clamp so that it rests inside the Bucket, and will support the Pipe. Adjust the Pipe to the desired height and tighten the Clamp. This will provide a complete engineered support system.

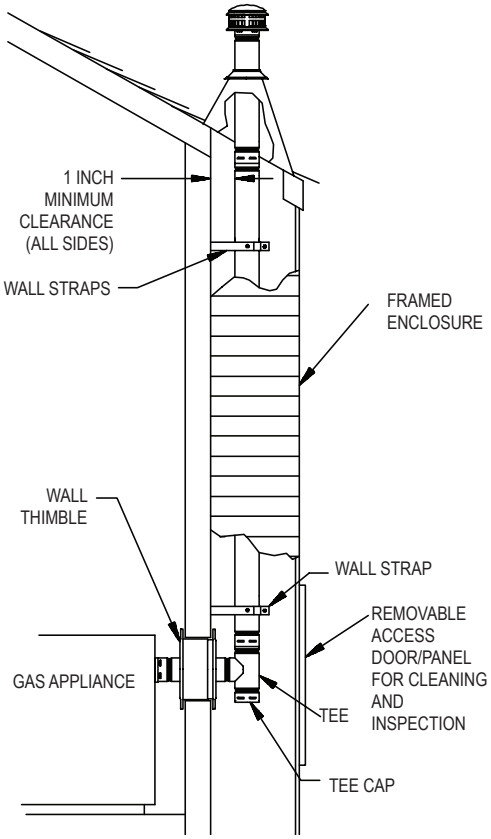


Figure 11

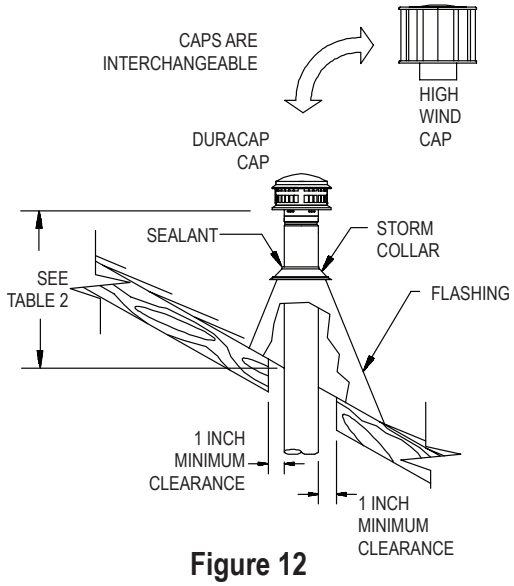


Figure 12

TABLE 2		
Gas vent systems using vent caps listed by underwriters laboratories may terminate in accordance with this vent termination table		
ROOF PITCH	**MINIMUM HEIGHT**	
	FEET	**METERS**
FLAT TO 7/12	1	0.3
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

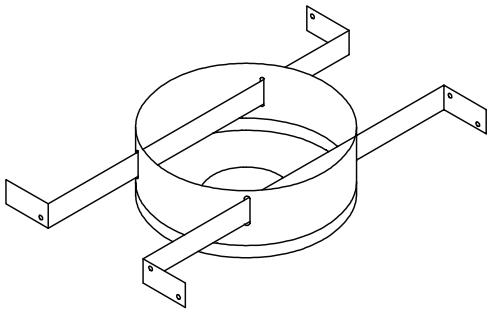


Figure 13

COMBINATION CAP

1. Description. The Combination Cap, provides an easily installed, safe and efficient B-Vent Cap and Flashing, as one lightweight unit. The two basic components and the assembled unit are shown in ***Figure 15***. The Combination Cap is designed to accommodate roof pitches from flat to 6/12, and is available for 3" through 6" diameter B-Vent pipe.

2. Location. Locate the point in the underside of the roof where the system is to penetrate, using a plumb bob or level.

3. Hole. Remove sufficient roofing material to cut a hole in the roof which will allow a minimum of 1 inch air space between the B-Vent and combustible roofing materials.

4. Flashing. Position the Flashing so the hole is directly over the end of the pipe, as shown in ***Figure 16***. Run the top edge of the Flashing under the roof covering, nail as required, and seal with a non-hardening sealant, as shown in ***Figure 17***. Seal all nail heads.

5. Height. Add sufficient Pipe Sections of B-Vent until the system terminates 1-1/2" to 3" above the collar of the Flashing as shown in ***Figure 16***.

6. Top Cone. Slip the Top Cone over the Flashing, so the vertical straps on the Flashing coincide with the slots at the base of the Cone. Slip the straps up through the slots as shown in ***Figure 18***. Adjust the Top Cone to a generally vertical position. Holding the Top Cone in position, bend the straps down as shown.

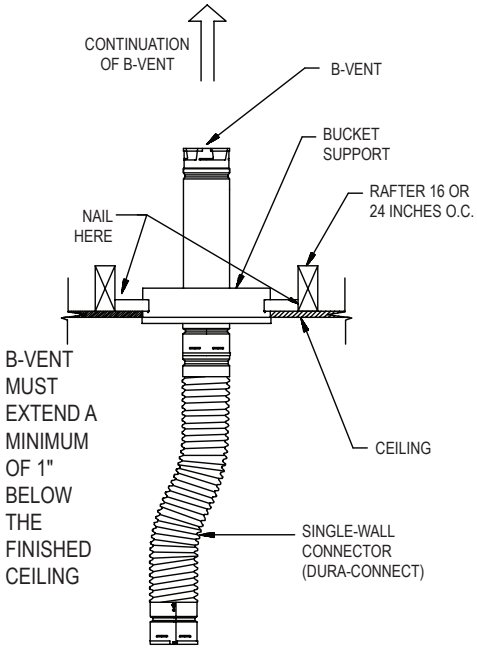


Figure 14

7. This completes the installation. Conduct a final inspection of the job to ensure proper joints, correct procedures, sealed nail heads, etc.

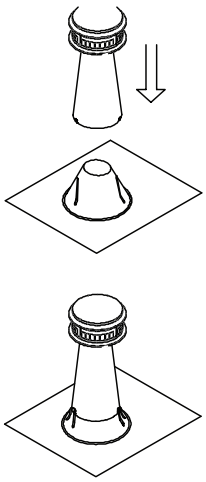


Figure 15

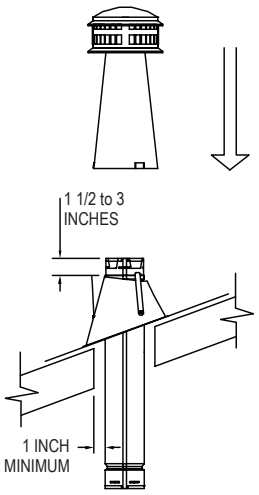


Figure 16

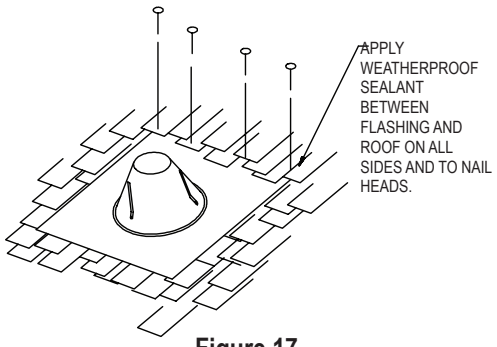


Figure 17

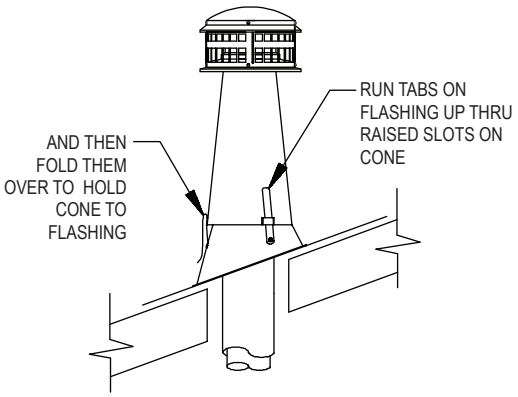


Figure 18

ADJUSTABLE ELBOWS

1. Purpose. This section furnishes supplemental information concerning Adjustable Elbows, both 90° and 45°/60°.

2. Connections. In addition to twist locking the elbows, the connection may be further secured by using sheet metal screws at the joint where the male and female parts overlap, provided that the screws **DO NOT** penetrate the inner liner as shown in ***Figure 19***. One screw per joint is normally sufficient. Use #8 Pan Head sheet metal screws which are no longer than 1/4 inch. Wall Straps must be used to support each elbow (***Figure 10***). Do not allow the elbows to support the weight of the vent pipe.

3. 90° Elbows. ***Figure 20***. The installer should apply pressure to the section at the points indicated by the arrows. This will prevent the adjacent sections of the elbow from turning, as the next pipe or fitting is twist-locked on. This is important, because once these sections start rotating, the elbow does no longer have a 90° angle.

4. 45° Offsets with 90° Elbows. ***Figure 21*** shows a 90° Adjustable Elbow being utilized to accomplish a 45° offset. This Elbow is completely adjustable from 0° to 90°. Please note that the centers of the upper sections tend to displace by a slight amount, as they are rotated. Again, screws (not longer than 1/4") may be used to secure the joint. Wall Straps should also be utilized to enhance the stability of the vent system.

MALE AND FEMALE ADAPTERS

1. Description. The male and female adapters enable an installer to connect DuraVent B-vent components to an existing Type B gas vent system manufactured by the following companies: Air Jet, American Metals Products, ECCO Mfg, Hart & Cooley Mfg, Household Mfg, Metal Fab. Inc, Mitchell Metal Products, White Metal Products.

2. Connecting into Existing Competitors System. To connect into an existing competitors gas venting system from below, or from the appliance side, connect a Female Adapter as shown in ***Figure 22***, insuring that the inner liner of the adapter is outside the inner liner of the existing pipe. Push the adapter as far up as it will go, and tighten the locking bolt until the connection is snug.

3. Extending an Existing Competitors System. To continue an existing competitors system up

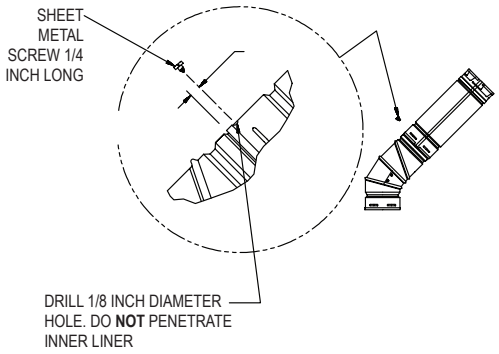


Figure 19

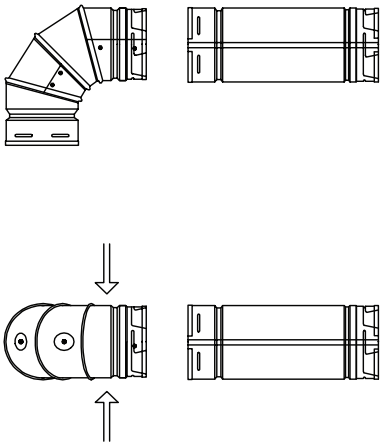


Figure 20

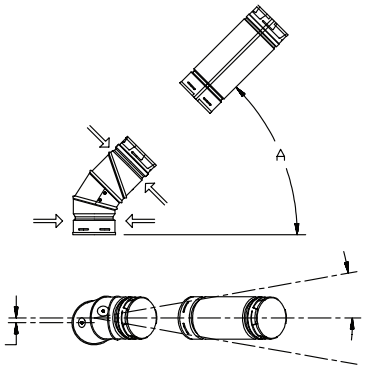


Figure 21

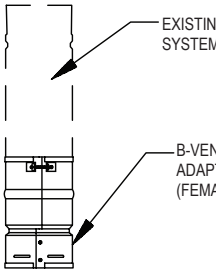


Figure 22

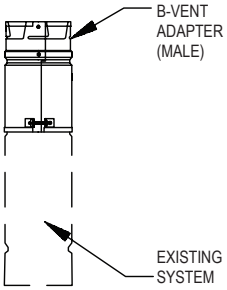


Figure 23

towards the termination using DuraVent Type B Gas Vent, connect a Male Adapter to the last section of the system, as shown in ***Figure 23***, insuring that the inner liner of the Adapter fits smoothly inside the Pipe or fitting below it. Push the Adapter down as far as it will go, and tighten the locking bolt until the connection is snug.

RELINING MASONRY CHIMNEYS FOR USE WITH GAS APPLIANCES

1. Description. A masonry chimney should be relined with B-Vent when venting a Category I gas appliance, such as a gas fireplace insert or freestanding gas stove, or to improve the venting and reduce condensation of existing gas appliances which are currently venting into the masonry chimney. These instructions encompass two general configurations: (***1***) A gas fireplace situated inside an existing masonry fireplace (***Figure 24***) or (***2***), a freestanding gas appliance venting into an existing masonry chimney. (***Figure 30***)

2. Masonry Inspection. Have the masonry chimney inspected by a CSIA Certified Chimney Sweep or other qualified professional to determine it's structural condition. Clean and repair as necessary.

3. Gas Fireplace. Carefully read the appliance manufacturer's installation instructions. Use the recommended vent size. Do not reduce the vent size below that of the flue exit on the appliance. Do not common vent gas fireplaces.

(a) Measurements. Measure and record the dimension as shown on Figure 25 (Height "A"). You will need an additional 15" of vent above the masonry chimney. It is a good idea to allow for a little extra height in your measurements.

(b) Pipe and Fitting Requirements. The bottom 5 foot section of vent will be Flex Pipe (used to get around the smoke shelf, and to connect to the appliance). The remainder will be rigid B-Vent Pipe Sections. For each pipe joint, subtract 1-1/2 inches.

(c). Connector. Read the appliance manufacturer's instructions for connecting the Flex Pipe to the appliance. In most cases, a Draft Hood Connector will be required as shown in Figure 26. If you are not sure, contact the appliance manufacturer for clarification. Place the appliance out in front of the fireplace area, as shown in ***Figure 27***, and install the Draft Hood Connector, or other device in accordance with the appliance instructions. The Flex Pipe Coupling may be able to attach directly to the appliance.

(d). Flex Pipe Assembly. Assemble first Rigid Pipe Section to the Flex Pipe, insuring that the "UP" arrows

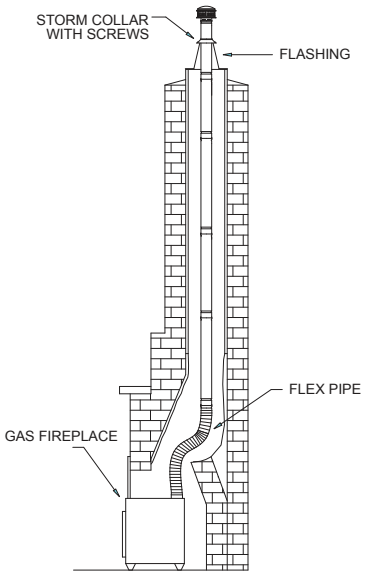
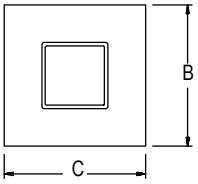


Figure 24



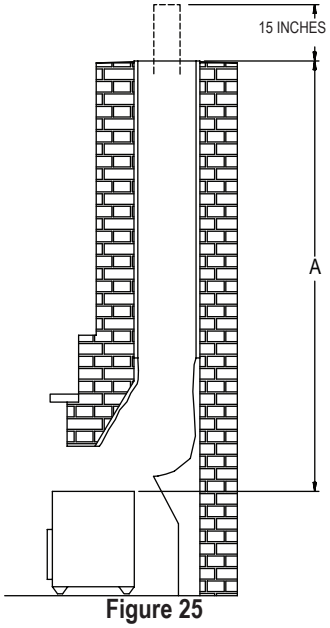


Figure 25

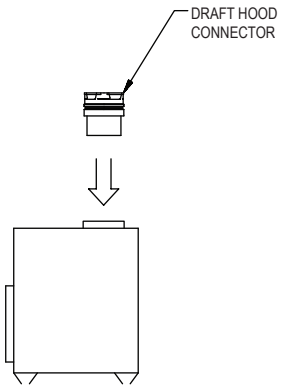


Figure 26

are in fact, pointing up. Push the sections together and twist to lock. Screws are not required, however if you desire to use them, use #8 sheet metal screws 1/4-inch long, being careful to not penetrate the inner liner. Repeat this process for the remainder of the Pipe Sections, and lower the assembly down the chimney. Lower it below it's normal position as shown in ***Figure 28.***

(e). Position and Connect Fireplace. Push the gas fireplace towards the firebox, and connect the Flex Pipe female coupling to the appliance, or to the appropriate connector as specified by the appliance manufacturer. If insufficient space is available between the top of the appliance, and the fireplace opening, an access opening in the opposite side of the masonry chimney may be necessary. Position the gas appliance on it's final location, again complying with the manufacturer's instructions in regards to location. Install any shields or covers at this time.

(f). Adjust Height. Go to the top of the chimney and pull the vent system up to its desired height. In most cases, this will be 15 inches above the masonry surface. Make a mark on the Pipe Section even with the top of the masonry surface. If the top of the pipe is near a steep roof (more than 7/12 pitch) ,use the height as stated in ***Table 2***.

(g). Flashing. Bend and trim the base of the Tall Cone Flashing so it fits onto the top of the masonry chimney. Use masonry anchors and non-hardening sealant to secure the flashing to the masonry (***Figure 28***).

(h). Storm Collar. Slide the Storm Collar over the pipe down to top of the Flashing. Secure the Storm Collar in place with at least (3) 1/4" sheet metal screws (***Figure 29***). Do not penetrate the inner liner. The Storm Collar and Flashing will support the weight of the vent assembly. Use non-hardening sealant around the top of Storm Collar to make a weatherproof seal.

(i). Termination Cap. Install the Termination Cap as shown in ***Figure 28***. This concludes the procedures for installing a gas fireplace in an existing masonry fireplace. Conduct a final inspection of the system, and verify that you have complied with the manufacturer's installation instructions.

4. Gas Appliance Venting Into the Side Wall of a Masonry Chimney.

(a). Locate Appliance. Set the appliance in it's desired position, and mark the center of the hole where the lateral Pipe Section is to pierce the masonry chimney. Ensure the manufacturer's requirements have been followed, particularly in regards to distances from combustible surfaces. Refer to ***Figure 30***.

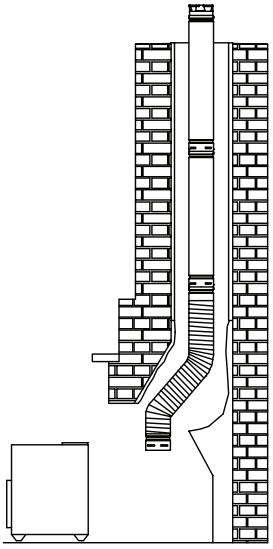


Figure 27

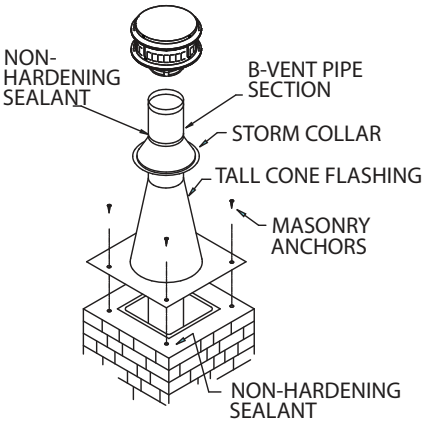


Figure 28

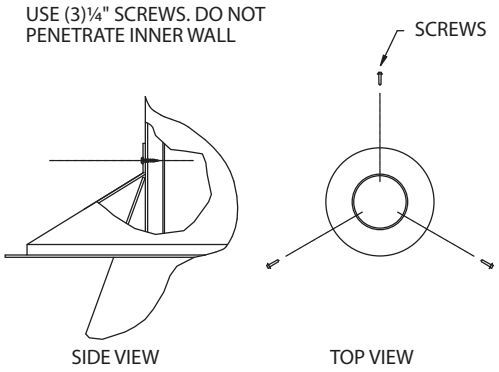


Figure 29

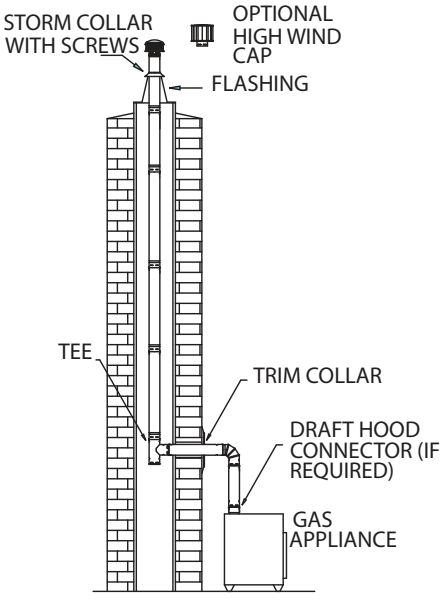


Figure 30

(b). Hole in Masonry. Move the appliance aside, and break out the masonry, forming a hole large enough for the Pipe Section to get through, and also large enough to reach through and hold the Tee, while connecting the horizontal Pipe Section. An alternate procedure is to make the hole only large enough for the Pipe Section to pass through, and construct an access gate on the other side of the masonry chimney. Do not mortar directly to the pipe, but use a Mortar Sleeve instead.

(c). Tee. A Tee is installed at the bottom end of the assembled vertical Pipe Sections, as shown in Figure 30. The Tee has a removable Tee Cap at the bottom, for cleaning and condensate removal. If the configuration of the building permits it, a clean-out access gate is recommended.

(d). Vertical Pipe Sections. Run the assembled vertical Pipe Sections (with the Tee attached to the bottom), down the chimney, until the horizontal branch of the Tee is opposite the hole in the masonry.

(e). Adjust Height. Hold the assembled Pipe Sections in this position, and make a mark even with the top surface of the masonry chimney. The vertical Pipe Sections should protrude 12 inches (in most cases) above this mark. If the top of the pipe will be near a steep roof (more than 7/12 pitch), use the height as stated in **Table 2**.

(f). Flashing. Bend and trim the base of the Tall Cone Flashing so it fits onto the top of the masonry chimney. Use masonry anchors and non-hardening sealant to secure the flashing to the masonry (***Figure 28***).

(g). Storm Collar. Slide the Storm Collar over the pipe down to top of the Flashing. Secure the Storm Collar in place with at least (3) 1/4" sheet metal screws (***Figure 29***). Do not penetrate the inner liner. The Storm Collar and Flashing will support the weight of the vent assembly. Use non-hardening sealant around the top of Storm Collar to make a weatherproof seal.

(h). Horizontal Pipe Section(s). Run the horizontal Pipe Section(s) through the hole in the masonry, and connect it firmly to the Tee, either by reaching through the hole, and holding the Tee while twisting the Pipe Section, or by holding the Tee through the access door while someone twist-locks the Pipe Section to it. Use an Adjustable Pipe Length as needed to obtain a specific location for the appliance. Make a mark on the horizontal Pipe Section flush with the vertical face of the masonry, for referencing the vertical position. Slip a Pipe Collar over the horizontal Pipe Section and install the remaining fittings as shown in ***Figure 30***. A minimum of 12 inches of connector rise is required.

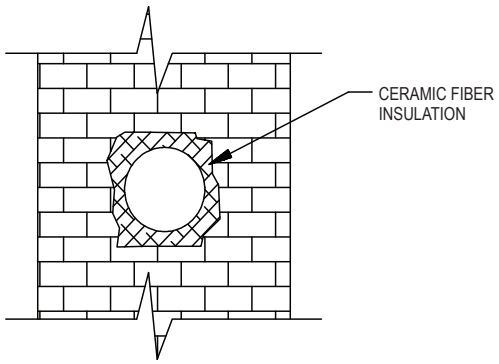


Figure 31

(i). Insulation. Pull the Pipe Collar towards the 90° Elbow. Fill in the gap between the masonry and the horizontal Pipe Section with ceramic fiber insulation, as shown in ***Figure 31***. The filling may be faced off with grout, if desired. Push the Pipe Collar back flush with the masonry. Make any final adjustments on the Adjustable Length Pipe (if used), and tighten the clamping bolts.

TROUBLESHOOTING

1. Purpose. This section is intended as a general maintenance and troubleshooting guide, and as such, cannot encompass all configurations or vent designs. For problems encountered which are beyond the scope of this sheet, contact your DuraVent Dealer, Distributor, or DuraVent's Engineering Department. It is imperative that the one-inch clearance (air space) defined in these instructions be maintained. In most cases, a one-inch minimum clearance must be maintained to combustibles. The only exceptions are 4-inch, 5-inch and 6-inch Oval B-vent which are installed within stud walls. Oval B-vent and BW Vent are the subject of a separate section of these instructions For Oval B-vent,, the clearances are established by the listed Firestop Spacers described in the instructions for Oval B-Vent.

2. Appliance. Read the appliance installation instructions carefully, ensuring that the prescribed clearances are met, and that it is a Category I appliance.

3. Spillage. Spillage from an appliance draft hood may cause condensation on windows, or odors that the occupant may notice. Spillage may be caused by an incorrectly sized vent system, blockage of the vent system, or a downdraft in the vent. Other causes are: excessive lateral runs, too many elbows, improper pitch to lateral runs (a minimum of 1/4 inch per foot of run is correct), fans or ventilation systems in the same general area as the gas appliance, or wind conditions at the vent cap.

4. Blockage. Check the system for blockage by removing

the cap, and looking down into the vent with a flashlight. Check for bird nests, debris, rodents, insects, or other obstructions. If nothing is found, inspect the entire system for physical damage.

5. Downdraft. Downdrafts are generally caused by the system's termination being too close to an adjacent wall, parapet, or other structure. If the cap is within eight feet of such an obstruction, it must also be at least two feet above it. Also ensure that the top is at the height prescribed for your roof pitch in Table 2. Inadequate combustion air is also a major cause of downdraft problems. Appliances like clothes dryers or other exhausting appliances in the same utility room can cause downdraft problems.

6. Condensate/Corrosion. Continuous condensate can cause corrosion (rusting) of vents, tops, appliance draft hoods, and other components of the system, as well as the inside of the appliance. This situation can be extremely dangerous, and corrective action must be taken immediately. Common causes of corrosion are listed below: If in doubt call a professional to inspect the vent.

(a) If the vent system is located in an area where spray cans or solvents are used extensively, (laundry areas, or paint shops, for example), the halogenated compounds get into the combustion air. When they are burned, they form compounds that cause corrosion. The corrective action in this case, is to isolate the appliance, and get the air supply from outside, or an uncontaminated area.

(b) Condensate may be caused by incorrect sizing of the vent system. Follow the procedures in the various sizing publications to obtain the correct sizes for connectors and vents. Other causes are: excessive lateral runs, too many elbows, cold attics and crawl spaces, and large areas of the exterior portions of the venting system exposed to cold weather. As a general rule, laterals should be held to a minimum, and be no longer than 75% of the vertical height of the system. Condensate may initially appear as beads on the outside of the connector or vent.

7. Construction. Laterals, offsets, and vertical components should be securely supported with wall straps, as previously described. Components of the vent which are in occupied areas should be enclosed to prevent accidental contact and damage to the vent system. Ensure that insulation, building materials, or debris do not extend into the required clearance spaces. In cold climates, the exterior portions of the vent should be enclosed in a chase. Outside portions of the vent system with may be painted with high temperature paint to help prevent rusting and corrosion on the exterior surfaces.

MAINTENANCE

1. An annual inspection is required to maintain warranty of your DuraVent B-Vent system. You will need to inspect the Cap, Vent Pipe, Connector Pipe, and the connection to the appliance.

2. Verify that the sealant around the Flashing and Storm Collar is intact. Reseal as needed. Remove Cap. Hold Cap by the collar only, and unlock by twisting counterclockwise, and then pull up. Grabbing the Cap by the outer edge or top can cause damage to the Cap.

3. Inspect Cap for any physical damage or damage from corrosion. Look for any foreign material inside the cap or vent. (Example: bird's nest, leaves, etc.)

4. Shine a light down inside of the vent pipe. Look for any evidence of damage, corrosion or excessive condensation. Also, look for any disconnected sections of the vent pipe or connector pipe. Refer to the installation instructions to reconnect pipe sections. If pipe sections are damaged or corroded, replace immediately!

5. Replace Cap by grabbing cap (by collar only), and slide onto pipe section and twist-locking (clockwise).

6. Inspect appliance connector and make sure that the vent is securely connected to the appliance.

7. Damaged or corroded parts should be replaced immediately! Failure to do so can lead to an extremely hazardous situation!

8. Follow your appliance manufacturer's recommended instructions for inspection your appliance.

GENERAL INSTALLATION NOTES
Round Type B Gas Vent

DuraVent Type B Gas Vent shall be used to vent only approved gas appliances with draft hoods and other Category I gas appliances listed for use with Type B Gas Vents:
-Water Heaters
-Space Heaters
-Warm Air Furnaces
-Duct Furnaces
-Room Heaters
-Unit Heaters
-Hot Water Boilers
-Steam Boilers
-Floor Furnaces
-Gas Fireplaces
-Attic Furnaces

Type B gas vents shall not be used for venting incinerators, conversion burners, combination gas/oil appliances, and listed category II, III, and IV gas appliances (NFPA 211).
These vents shall be installed in accordance with their listing as detailed in these instructions, and the requirements of the local authority having jurisdiction.

For more complex installations, or multiple appliance installations, refer to the "Sizing Handbook", which can be furnished by DuraVent dealers, or can be obtained by calling
800-835-4429.

Consult the appliance manufacturer's installation instructions to obtain the combustion and ventilation air requirements for the appliance. Additional information is provided in the National Fuel Gas Code (NFPA 54), as well as the "Sizing Handbook" furnished by DuraVent.

Use only listed DuraVent vent products.. Do not mix and match with other manufacturer's vents or improvised solutions. Do not install damaged vents. Whenever possible, the vent should be continued straight out through the roof. If it is necessary to make offsets in the attic space, use 45° elbows, rather than horizontal run. Use Wall Straps or metal tape to support offsets.

IN CANADA: Only components marked "FOR EXTERIOR USE ONLY" shall be used above the roofline.

Refer to ***Table 1*** on the next page to determine the height above the roof the vent cap must terminate. A listed DuraVent top must be used to terminate the vent. It is locked to the top section of pipe, and gives protection against the entrance of rain, snow, debris, and birds. The vent cap should terminate 2 feet higher than an adjacent building or wall, if it is within 8 feet of the obstruction.

Gas venting systems using vent caps listed by underwriters' may terminate in accordance with this vent termination table.

Where the vent passes through the roof, the roof sheathing is cut away to provide a minimum clearance of 1 inch from the vent pipe. Straight lengths of pipe are run up about a foot above the roof. A roof flashing is placed down over the pipe, and adjusted so the flashing fits tightly against the roof, with the vent pipe held in a position maintaining the 1-inch minimum clearance from combustibles. The flashing is then nailed to the roof. A non-hardening sealant may be used around the edges of the flashing base where it meets the roof. Non-hardening sealant is placed around the joint between the flashing and the vertical vent pipe, and the storm collar is then placed over this joint to make a watertight seal. The storm collar serves as a counter-flashing to give additional protection.

TABLE 1

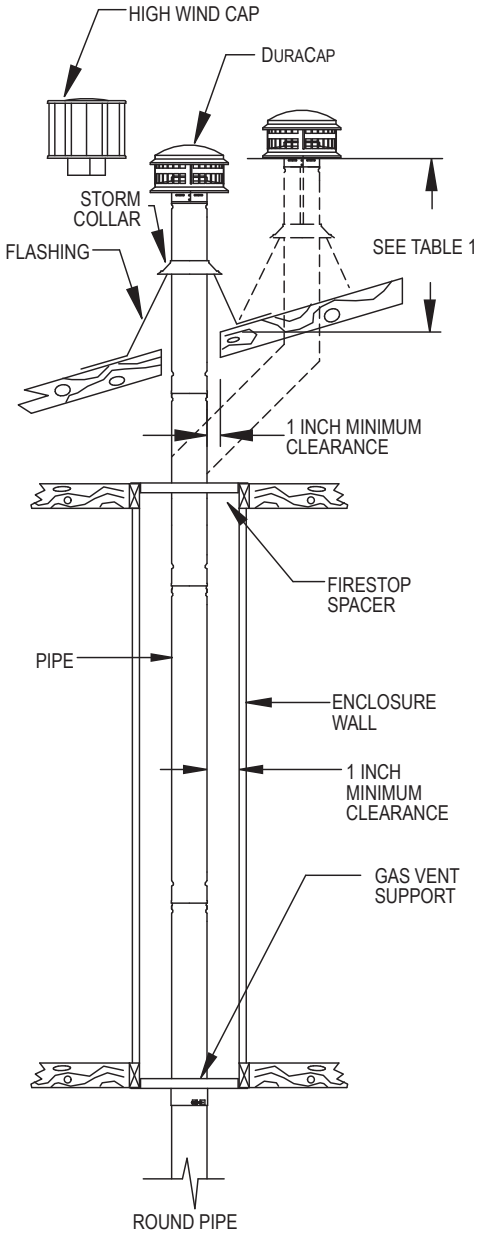
Roof Pitch	Minimum Height*
FLAT TO 7/12	1.0
OVER 7/12 TO 8/12	1.5
OVER 8/12 TO 9/12	2.0
OVER 9/12 TO 10/12	2.5
OVER 10/12 TO 11/12	3.25
OVER 11/12 TO 12/12	4.0
OVER 12/12 TO 14/12	5.0
OVER 14/12 TO 16/12	6.0
OVER 16/12 TO 18/12	7.0
OVER 18/12 TO 20/12	7.5
OVER 20/12 TO 21/12	8.0

*THIS REQUIREMENT COVERS MOST INSTALLATION

A gas vent support or firestop spacer must be provided where the vent passes through the ceiling. The ceiling opening is framed, using the same sized lumber as the existing joists, to fit around the raised edge of the gas vent support, which is pushed up into the ceiling from below. The hanger straps are nailed to the framing using 1 1/2-inch box nails to hold the gas vent support firmly, and the clamp is then tightened around the vent pipe. Firestop spacers must be utilized in multistory buildings at each level where the vent passes through a floor.

Sections of pipe are connected to each other by pushing them firmly together and twisting. Screws are not required. If screws are desired, for 3- to 6-inch diameter pipe, use 1/4-inch sheet metal screws. For larger diameters up through 16 inches, use 3/8-inch sheet metal screws. For 18-inch and greater diameters, use 3/8-inch sheet metal screws. Under no circumstances, penetrate the inner liner with screws.

Any portions of the vent assembly that extend through accessible or occupied spaces must be enclosed with an enclosure that is at least 1-inch away from vent pipe.

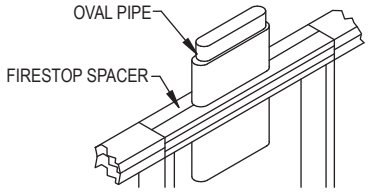


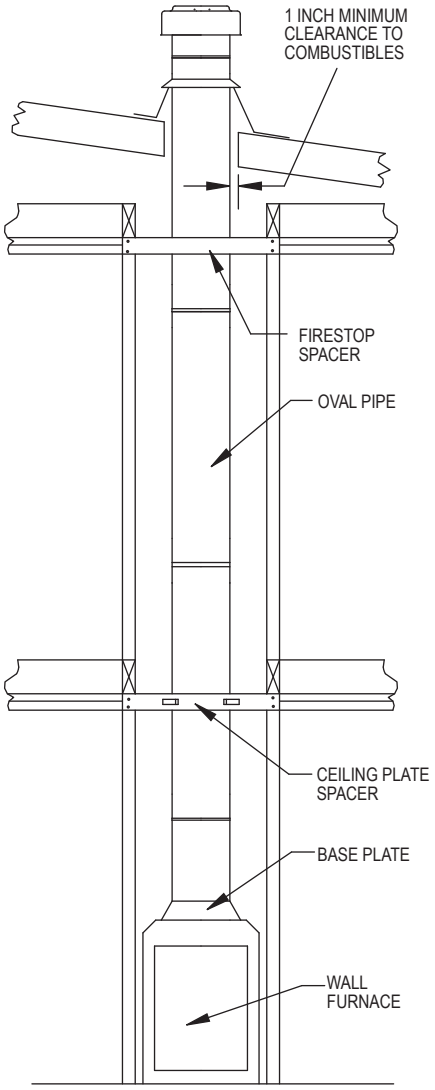
4-INCH OVAL GAS VENT FOR INSTALLATION IN 2" X 4" STUD WALLS
MH6375 CATEGORY I APPLIANCES ONLY

Gas vent shall extend at least 2 feet above the highest point where it passes through the roof, and at least 2 feet higher than any portion of the building within 8 feet. Install oval flashing, storm collar, and oval vent cap.

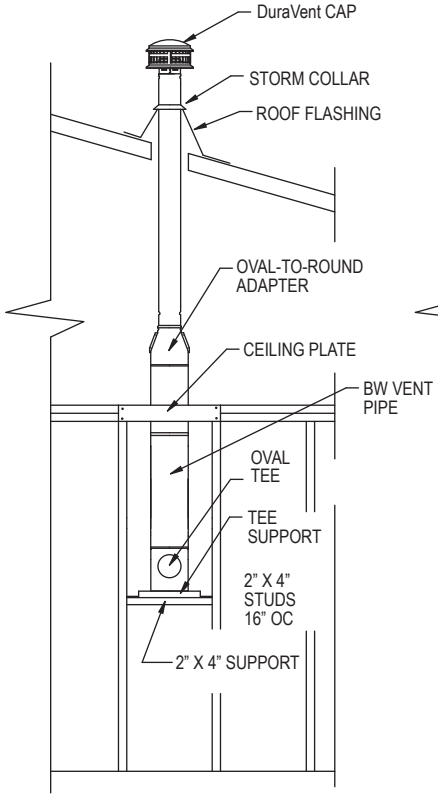
Where pipe passes through the roof, maintain 1-inch minimum clearance to all combustibles.
Attach base plate to wall furnace. Firestop spacers shall be installed as shown, on all floors other than the first floor. Use ceiling plate spacers at this level.
1. Saw out portion of header between studs and install one firestop spacer.
2. Nail the second firestop spacer in position, after oval pipe is in place.
3. All floors above to be installed in the same manner.
4. Maximum BTU input:
Single story - 85,000 BTU
Multistory - 65,000 BTU

To assemble, align the two pieces, and push them together until they click.

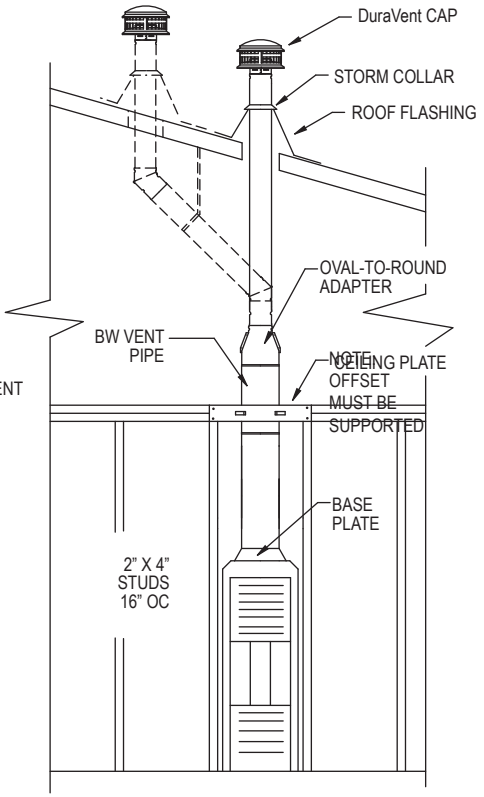




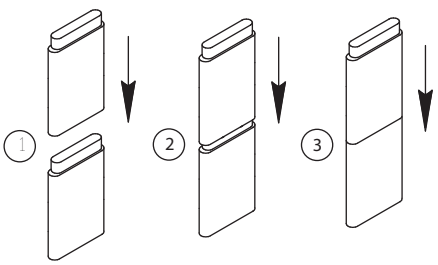
Use only vents labeled "For Exterior Use Only", above roofline. (Canada Only)



Type BW 2" x 4" Oval Installation



Type BW 2" x 4" Installation



To assemble, align the two pieces, and push them together until they click.

5-INCH OVAL GAS VENT FOR INSTALLATION IN 2" X 4" STUD WALLS

MH6375 CATEGORY I APPLIANCES ONLY

Where pipe passes through the roof, maintain 1-inch minimum clearance to all combustible materials. Install oval flashing, storm collar, and oval vent cap. Gas vent shall extend at least 2 feet above the highest point where it passes through the roof, and at least 2-feet higher than any portion of the building within 8 feet.

Attach base plate to 2" x 4" support. Firestop spacers shall be installed as shown on all floors.

1. Saw out portion of header between studs and install one firestop spacer.

2. Nail the second firestop spacer in position, after oval pipe is in place.

3. Additional floors above are installed in the same manner.

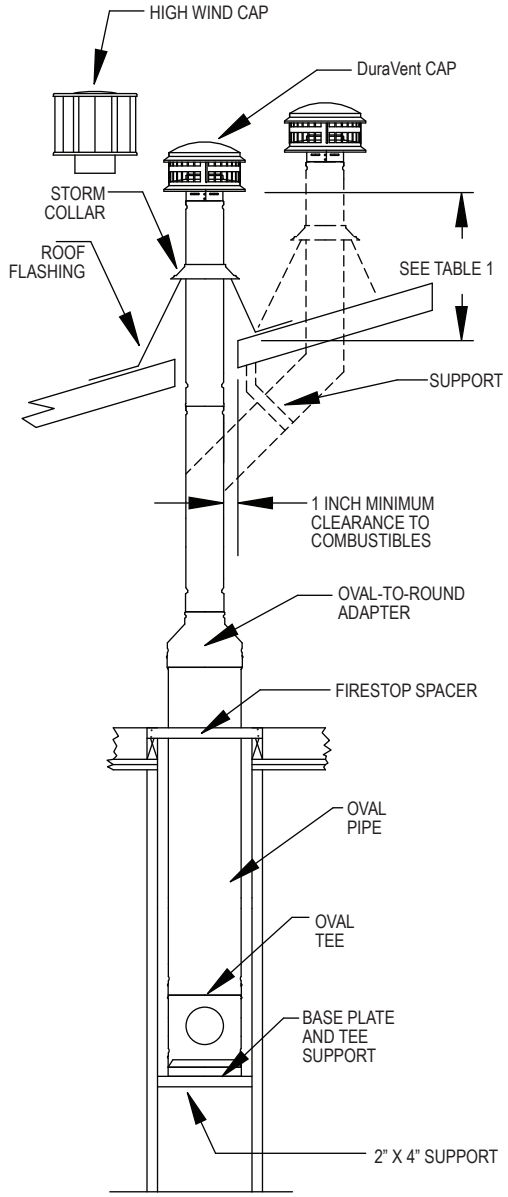
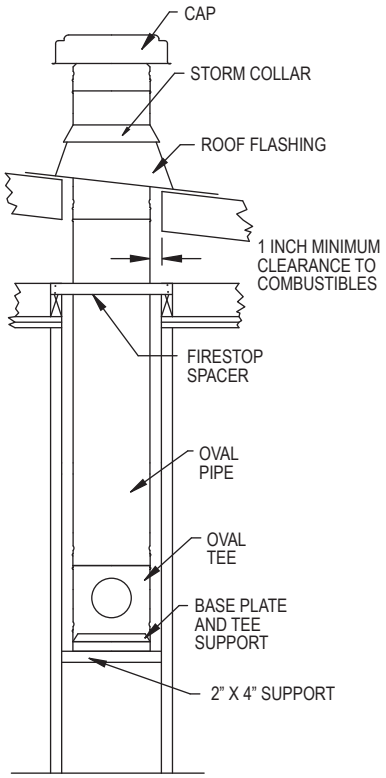
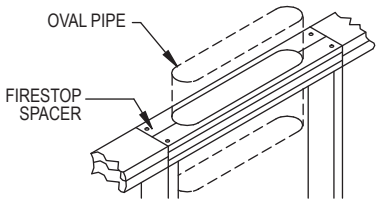
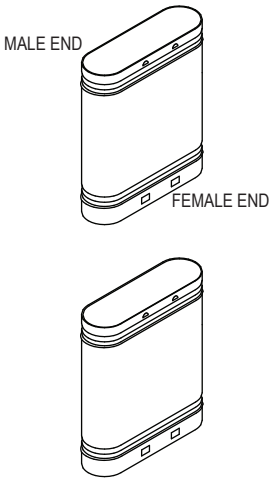


Diagram showing transition from 5" oval to round vent pipe, and optional offset. Note that offsets must be supported





Use only vents labeled "For Exterior Use Only", above roofline. (Canada Only)



To assemble, align the two pieces, and push together until they click.

Use only vents labeled "For Exterior Use Only", above roofline. (Canada Only)

6-INCH OVAL GAS VENT FOR INSTALLATION IN 2" X 6" STUD WALLS
MH6375 CATEGORY I APPLIANCES ONLY

Ensure at least 1 inch clearance to all combustibles, including the area the pipe passes through the roof. Install oval flashing, storm collar, and oval vent cap. Gas vent shall extend at least 2 feet above the roof, and at least 2 feet higher than any portion of the building within 2 feet.

Attach base plate to 2" x 6" support. Firestop spacers shall be installed as shown on all floors.

1. Saw out portion of header between studs and install one firestop spacer.

2. Nail the second firestop spacer in position, after oval pipe is in place.

3. Additional floors above are installed in the same manner.

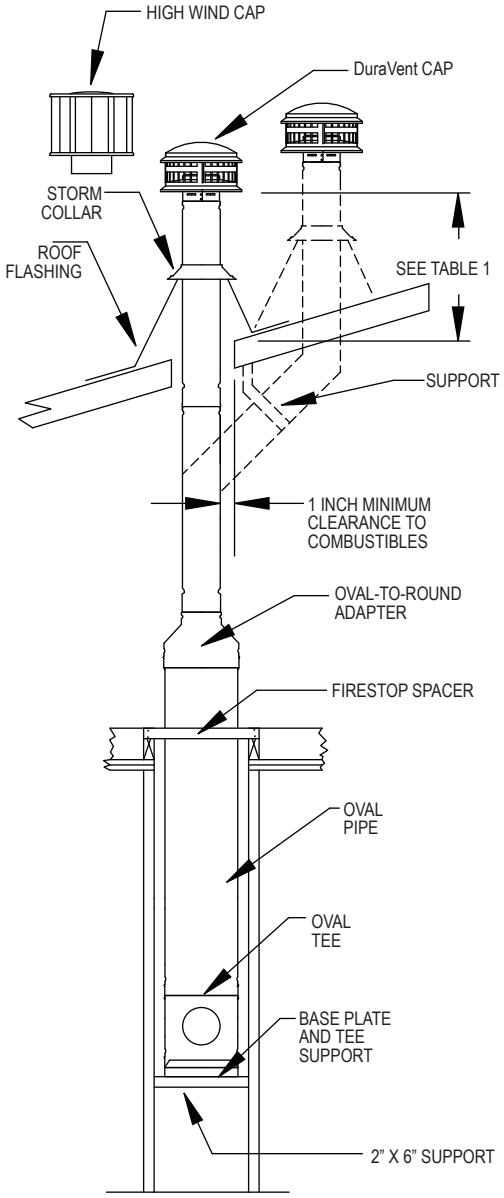
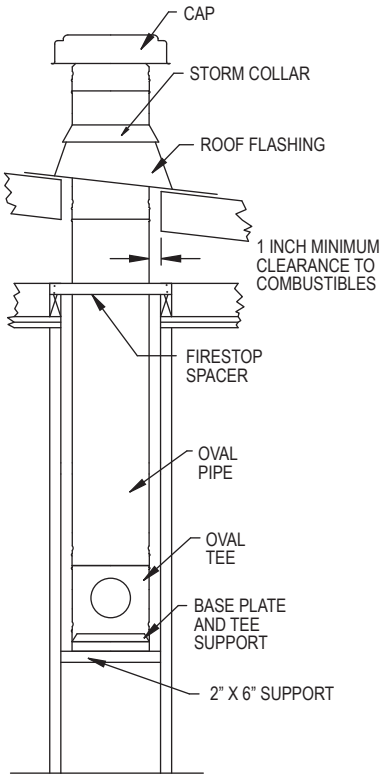
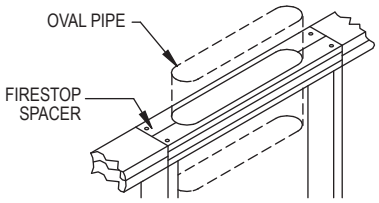
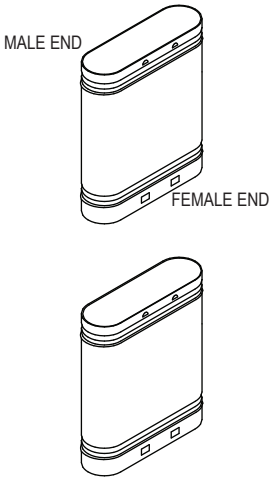


Diagram showing transition from 6" oval to round vent pipe, and optional offset. Note that offsets must be supported





Use only vents labeled "For Exterior Use Only", above roofline. (Canada Only)



To assemble, align the two pieces, and push together until they click.

Use only vents labeled "For Exterior Use Only", above roofline. (Canada Only)

WARRANTY

This product has a 15 year limited warranty. Please read the warranty to be familiar with its coverage.

Retain this manual. File it with your other documents for future reference.

PRODUCT REFERENCE INFORMATION

Please contact DuraVent for the phone number of your nearest DuraVent dealer who will answer your questions or address your concerns.

Normally, all parts should be ordered through your Security Chimneys International distributor or dealer. Parts will be shipped at prevailing prices at time of order.

When ordering repair parts, always give the following information:

1. The model number of the vent system.
2. The part number.
3. The description of the part.
4. The quantity required.
5. The installation date of the chimney system.

If you encounter any problems or have any questions concerning the installation or application of this system, please contact your dealer.

DuraVent®

877 Cotting Court • Vacaville, CA • 95688
800-835-4429; www.DuraVent.com

DuraVent reserves the right to make changes at any time, without notice, in design, materials, specifications, prices.
Consult your local distributor for chimney system code information.

BVent REV. 0 06-17-19