

M&G DuraVent's Single-Wall Special Gas Vent

FasNSeal

3"-24" Commercial Venting

Set the standard as the first vent system with a built-in gasket and locking band, designed for high efficiency gas heaters where cool flue gases are vented under pressure.

DuraVent
Member of & M&G Group



Material Selection and Design

FasNSeal® is manufactured from AL29-4C®, a superferritic stainless steel designed for extreme resistance to chloride ion pitting, crevice corrosion and stress corrosion cracking, as well as general corrosion in oxidizing and moderately reducing environments. AL29-4C® is an ideal choice for resisting deleterious effects of corrosive condensates created by partially or fully condensing natural gas and propane fired heating appliances.

The Canadian Gas Research Institute found that test results proved AL29-4C® to be one of two “most corrosion resistant alloys of twenty candidate stainless steels evaluated for resistance to chloride-induced corrosion in condensing and partially condensing gas-fired appliances”.

FasNSeal® has been tested and is listed by Underwriters Laboratories, Inc. to UL 1738 and ULC-S636-95.

FasNSeal® Applications

FasNSeal® is a Special Gas Vent and Gas Vent Connector, made from AL29-4C® stainless steel and designed for use on natural gas or propane-fired appliances listed as Category II, III and IV or in Canada Type BH Gas Vent Systems having a rated operating temperature of 480 degrees F and maximum positive pressure of 6” water column.

FasNSeal® provides horizontal or vertical venting for high efficiency gas boilers, furnaces, booster heaters, pool heaters, water heaters, unit heaters or tankless water heaters.

FasNSeal® may also be used as a vent for Category I, natural gas or propane-fired heaters.

FasNSeal® must be sized according to the heating appliance manufacturers instructions, NFPA 211, NFPA 54 and any other relevant local building codes and regulations (see installation instructions for details!).

Fully Compatible With Double Wall FasNSeal®W2

Each vent length and component features a built-in mechanical locking band and gasket. Parts are simply pushed together to a stop bead, which renders the joints air and water- tight. By tightening the integrated mechanical locking band, parts are fastened together in seconds. FasNSeal® can be taken apart and reassembled in minutes, making inspection, maintenance or rerouting of FasNSeal® systems a breeze. Should a part or gasket ever become damaged, replacement takes less than five minutes and the integrity of the system is not compromised!

Adjustable vent lengths featured in our Wall Thimbles allow for built-in horizontal adjustability without the need for cutting pipe. Our standard Adjustable Vent Length allows 2” to 12” of adjustment, making pitching FasNSeal® to properly drain condensate simple. Connecting FasNSeal® to a heater is done efficiently with one of our many adaptors approved by heating appliance manufacturers. Heating equipment can be fired up immediately upon completing a FasNSeal® installation, as no cure time or cleanup is required. PTS listened to the installer and came up with the perfect way to join FasNSeal® parts. No cutting, no exterior clamps, no joints to wipe with alcohol, no rings, no tabs, no mess to clean.

Inner Wall Thickness	
3"-7" (76.2mm - 177.8)	.016" (.4mm)
8"-12" (203.2mm - 304.8)	.019" (.5mm)
14"-16" (355.6mm - 406.4)	.024 (.6mm)
18"-24" (475.2mm - 609.6mm)	.024 (.6MM)

Outer Wall Thickness	
3"-6" (76.2mm - 152.4)	.016" (.4mm)
7"-16" (177.8mm - 406.4)	.024 (.6mm)
18"-24" (475.2mm - 609.6mm)	.024 (.6MM)

**Sizes 3"-16" are UL Listed.*

FasNSeal® is Built for Performance

Proven since 1996, FasNSeal® features a smooth weld seam inside and out, which is completely shielded during the TIG welding process. Contamination or molecular changes in the weld seam are avoided; no fillers are used in the welding process.

Tube ends are formed under the most stringent quality standards to guarantee a perfect fit every time and to avoid built-in stress points or weak areas.

FasNSeal® Technical Support Is Second To None

Submit your specifications on a submittal request form along with your layout and DuraVent will supply comprehensive submittal drawings and a complete bill of materials within 48 business hours. Unless your specs are changed more than once, this service is provided free of charge. For technical or marketing information visit our website at www.duravent.com. You can contact our technical department at techsupport@duravent.com or call 1.800.766.3473 should you prefer personal technical support.

FasNSeal					
Rated Operating Temperatures	Enclosed		Unenclosed		
	Horizontal	Vertical	Horizontal	Vertical	
3" - 4"	300°F	side 8" top 12" bottom 4"	4"	1"	1"
	480°F		4"	3"	1"
5" - 16"	300°F	noncombustible enclosure		3"	3"
	480°F			3"	3"

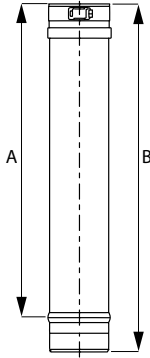
Rated Operating Temperature of 300°F = Max Flue Gas Temperature of 375°F

Rated Operating Temperature of 480°F = Max Flue Gas Temperature of 550°F

Product	Flue Gas Temperature (°F)	Skin Temp At Location (Per HeatFab diagram) (°F)						Ambient
		A	B	C	D	E	F	
FasNSeal	300	222	202	194	171	181	163	77
	380	258	218	214	182	195	192	75
	420	282	239	232	197	207	205	79
FasNSeal W2	300	135	139	136	141	124	103	78
	380	153	160	157	161	142	112	75
	420	151	159	154	163	139	114	72
Product	Flue Gas Temperature (°F)	Skin Temp At Location (Rise)(Per HeatFab diagram) (°F)						
		A	B	C	D	E	F	
FasNSeal	300	145	125	117	94	104	86	
	380	183	143	139	107	120	117	
	420	203	160	153	118	128	126	
FasNSeal W2	300	57	61	58	63	46	25	
	380	78	85	82	86	67	37	
	420	79	87	82	91	67	42	
Product	Flue Gas Temperature (°F)	Skin Temp At Location (Assume 75°F Ambient) (Per HeatFab diagram) (°F)						
		A	B	C	D	E	F	
FasNSeal	300	220	200	192	169	179	161	
	380	258	218	214	182	195	192	
	420	278	235	228	193	203	201	
FasNSeal W2	300	132	136	133	138	121	100	
	380	153	160	157	161	142	112	
	420	154	162	157	166	142	117	



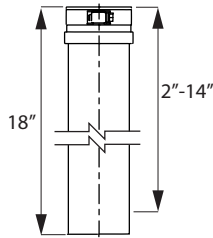
Vent Length



Use to vent category II, III and IV appliances.

SIZE	ORDER #	STOCK #	A	B	SIZE	ORDER #	STOCK #	A	B
3"	FSVL603	300001	4"	6"	10"	FSVL2410	300067	22"	24"
3"	FSVL1203	300015	10"	12"	10"	FSVL3610	300082	34"	36"
3"	FSVL1803	300045	16"	18"	12"	FSVL612	300009	4"	6"
3"	FSVL2403	300060	22"	24"	12"	FSVL1212	300023	10"	12"
3"	FSVL3603	300075	34"	36"	12"	FSVL1812	300053	16"	18"
4"	FSVL604	300002	4"	6"	12"	FSVL2412	300068	22"	24"
4"	FSVL1204	300016	10"	12"	12"	FSVL3612	300083	34"	36"
4"	FSVL1804	300046	16"	18"	14"	FSVL614	300010	4"	6"
4"	FSVL2404	300061	22"	24"	14"	FSVL1214	300024	10"	12"
4"	FSVL3604	300076	34"	36"	14"	FSVL1814	300054	16"	18"
5"	FSVL605	300003	4"	6"	14"	FSVL2414	300069	22"	24"
5"	FSVL1205	300017	10"	12"	14"	FSVL3614	300084	34"	36"
5"	FSVL1805	300047	16"	18"	16"	FSVL616	300011	4"	6"
5"	FSVL2405	300062	22"	24"	16"	FSVL1216	300025	10"	12"
5"	FSVL3605	300077	34"	36"	16"	FSVL1816	300055	16"	18"
6"	FSVL606	300004	4"	6"	16"	FSVL2416	300070	22"	24"
6"	FSVL1206	300018	10"	12"	16"	FSVL3616	300085	34"	36"
6"	FSVL1806	300048	16"	18"	18"	FSVL618	303905	4"	6"
6"	FSVL2406	300063	22"	24"	18"	FSVL1218	303909	10"	12"
6"	FSVL3606	300078	34"	36"	18"	FSVL1818	303913	16"	18"
7"	FSVL607	300005	4"	6"	18"	FSVL2418	303917	22"	24"
7"	FSVL1207	300019	10"	12"	18"	FSVL3618	303921	34"	36"
7"	FSVL1807	300049	16"	18"	20"	FSVL620	303906	4"	6"
7"	FSVL2407	300064	22"	24"	20"	FSVL1220	303910	10"	12"
7"	FSVL3607	300079	34"	36"	20"	FSVL1820	303914	16"	18"
8"	FSVL608	300006	4"	6"	20"	FSVL2420	303918	22"	24"
8"	FSVL1208	300020	10"	12"	20"	FSVL3620	303922	34"	36"
8"	FSVL1808	300050	16"	18"	22"	FSVL622	303907	4"	6"
8"	FSVL2408	300065	22"	24"	22"	FSVL1222	303911	10"	12"
8"	FSVL3608	300080	34"	36"	22"	FSVL1822	303915	16"	18"
9"	FSVL609	300007	4"	6"	22"	FSVL2422	303919	22"	24"
9"	FSVL1209	300021	10"	12"	22"	FSVL3622	303923	34"	36"
9"	FSVL1809	300051	16"	18"	24"	FSVL624	303908	4"	6"
9"	FSVL2409	300066	22"	24"	24"	FSVL1224	303912	10"	12"
9"	FSVL3609	300081	34"	36"	24"	FSVL1824	303916	16"	18"
10"	FSVL610	300008	4"	6"	24"	FSVL2424	303920	22"	24"
10"	FSVL1210	300022	10"	12"	24"	FSVL3624	303924	34"	36"
10"	FSVL1810	300052	16"	18"					

Adjustable Vent Length

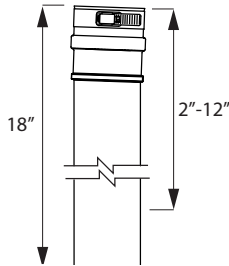


Use to add length to straight length of FasNSeal pipe. Adds 2"–14" of length. Requires at least 2" overlap for a secure connection.

Available in Custom Lengths.

SIZE	ORDER #	STOCK #	SIZE	ORDER #	STOCK #
3"	FSAVL3	300250	12"	FSAVL12	300258
4"	FSAVL4	300251	14"	FSAVL14	300259
5"	FSAVL5	300252	16"	FSAVL16	300260
6"	FSAVL6	300253	18"	FSAVL18	303937
7"	FSAVL7	300254	20"	FSAVL20	303938
8"	FSAVL8	300255	22"	FSAVL22	303939
9"	FSAVL9	300256	24"	FSAVL24	303940
10"	FSAVL10	300257			

2° Adjustable Vent Length



Use to facilitate for the 2° pitched required in horizontal runs.

Available in Custom Lengths.

SIZE	ORDER #	STOCK #	SIZE	ORDER #	STOCK #
3"	FSAVL03-2	303128	9"	FSAVL09-2	303146
4"	FSAVL04-2	303129	10"	FSAVL10-2	303147
5"	FSAVL05-2	303130	12"	FSAVL12-2	303148
6"	FSAVL06-2	303143	14"	FSAVL14-2	303149
7"	FSAVL07-2	303144	16"	FSAVL16-2	303150
8"	FSAVL08-2	303145			

FasNSeal Flex

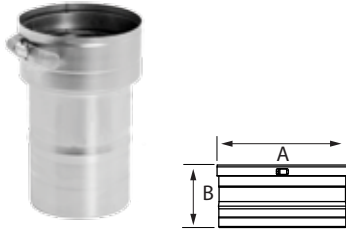


Use to vent Category II,III and IV gas burning appliances. Listed to UL 1738. Can only be used in vertical or near vertical runs.

Custom lengths are available for 3"–12" diameters. Minimum length of 10' for custom orders. Use with FasNSeal components only.

SIZE	20'	25'	30'	35'	50'	100'	125'	200'	CUSTOM
3"	3FSFLEX-20	3FSFLEX-25	3FSFLEX-30	3FSFLEX-35	3FSFLEX-50	3FSFLEX-100	3FSFLEX-125	3FSFLEX-200	3FSFLEX-XX
4"	4FSFLEX-20	4FSFLEX-25	4FSFLEX-30	4FSFLEX-35	4FSFLEX-50	4FSFLEX-100	4FSFLEX-125	4FSFLEX-200	4FSFLEX-XX
5"	5FSFLEX-20	5FSFLEX-25	5FSFLEX-30	5FSFLEX-35	5FSFLEX-50	5FSFLEX-100	5FSFLEX-125	5FSFLEX-200	5FSFLEX-XX
5 1/2"	55FSFLEX-20	55FSFLEX-25	55FSFLEX-30	55FSFLEX-35	55FSFLEX-50	55FSFLEX-100	55FSFLEX-125	55FSFLEX-200	55FSFLEX-XX
6"	6FSFLEX-20	6FSFLEX-25	6FSFLEX-30	6FSFLEX-35	6FSFLEX-50	6FSFLEX-100	6FSFLEX-125	6FSFLEX-200	6FSFLEX-XX
7"	7FSFLEX-20	7FSFLEX-25	7FSFLEX-30	7FSFLEX-35	7FSFLEX-50	7FSFLEX-100	7FSFLEX-125	--	7FSFLEX-XX
8"	8FSFLEX-20	8FSFLEX-25	8FSFLEX-30	8FSFLEX-35	8FSFLEX-50	8FSFLEX-100	8FSFLEX-125	--	8FSFLEX-XX
9"	--	--	--	--	--	--	--	--	9FSFLEX-XX
10"	--	--	--	--	--	--	--	--	10FSFLEX-XX
12"	--	--	--	--	--	--	--	--	12FSFLEX-XX

Male Flex Adapter



Use to connect FasNSeal rigid Vent Pipe to FasNSeal Flex at base of masonry chimney or bottom termination.

SIZE	ORDER #	STOCK #	A	B	SIZE	ORDER #	STOCK #	A	B
3"	FSASMM-3	304103	2 4/5"	3 1/3"	8"	FSASMM-8	304108	7 4/5"	8 1/3"
4"	FSASMM-4	304104	3 4/5"	4 1/3"	9"	FSASMM-9	304109	8 4/5"	9 1/3"
5"	FSASMM-5	304105	4 4/5"	5 1/3"	10"	FSASMM-10	304110	9 4/5"	10 1/3"
6"	FSASMM-6	304106	5 4/5"	6 1/3"	12"	FSASMM-12	304112	11 4/5"	12 1/3"
7"	FSASMM-7	304107	6 4/5"	7 1/3"					

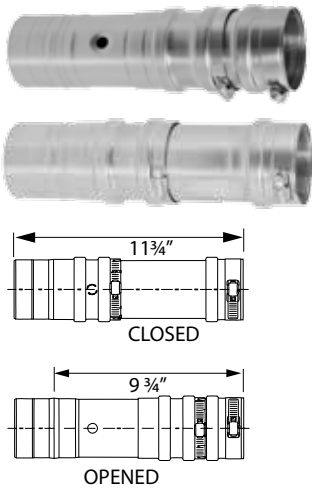
Female Flex Adapter



Use to connect FasNSeal Flex to FasNSeal rigid Vent Pipe at the top of the system.

SIZE	ORDER #	STOCK #	A	B	SIZE	ORDER #	STOCK #	A	B
3"	FSASMF-3	304003	2 4/5"	3 1/3"	8"	FSASMF-8	304008	7 4/5"	8 1/3"
4"	FSASMF-4	304004	3 4/5"	4 1/3"	9"	FSASMF-9	304009	8 4/5"	9 1/3"
5"	FSASMF-5	304005	4 4/5"	5 1/3"	10"	FSASMF-10	304010	9 4/5"	10 1/3"
6"	FSASMF-6	304006	5 4/5"	6 1/3"	12"	FSASMF-12	304012	11 4/5"	12 1/3"
7"	FSASMF-7	304007	6 4/5"	7 1/3"					

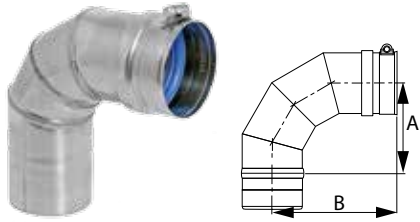
Test Port



Use to test for proper appliance operation without penetrating the vent wall. Easy access to perform flue gas analysis. More options available, see Universal Adapter w/Test Port in FasNSeal Appliance Adapter section.

SIZE	ORDER #	STOCK #
3"	FSTP3	300540
4"	FSTP4	300541
5"	FSTP5	300542
6"	FSTP6	300543
7"	FSTP7	300544
8"	FSTP8	300545
9"	FSTP9	300546
10"	FSTP10	300547
12"	FSTP12	300548
14"	FSTP14	300549
16"	FSTP16	300550

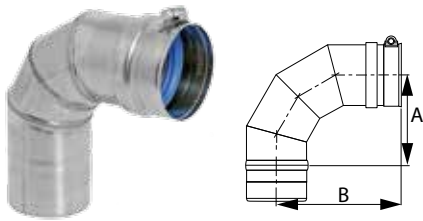
90° Elbow



Use to go from horizontal to vertical runs or vertical to horizontal runs. Use to turn vent 90°.

SIZE	ORDER #	STOCK #	A	B	SIZE	ORDER #	STOCK #	A	B
3"	FSELB9003	300160	4"	6"	12"	FSELB9012	300168	8 1/2"	10 1/4"
4"	FSELB9004	300161	4 1/2"	6 1/4"	14"	FSELB9014	300169	9 1/2"	11 3/8"
5"	FSELB9005	300162	5"	6 3/4"	16"	FSELB9016	300170	11"	12 1/2"
6"	FSELB9006	300163	5 1/2"	7 1/2"	18"	FSELB9018	303929	11 1/2"	13 1/8"
7"	FSELB9007	300164	6 1/8"	7 7/8"	20"	FSELB9020	303930	12 1/2"	14 1/2"
8"	FSELB9008	300165	6 1/2"	8 1/4"	22"	FSELB9022	303931	13 3/8"	15"
9"	FSELB9009	300166	7"	9"	24"	FSELB9024	303932	14 1/2"	16 1/8"
10"	FSELB9010	300167	7 1/2"	9 3/8"					

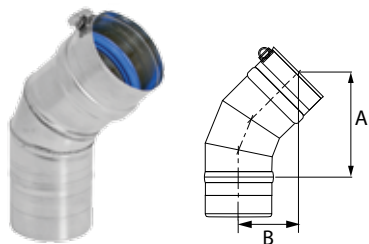
88° Elbow



Use to transition from a vertical to a horizontal run. Stabilizes a 2° pitch towards the condensate drain for good condensate management.

SIZE	ORDER #	STOCK #	A	B	SIZE	ORDER #	STOCK #	A	B
3"	FSELB8803	303890	4"	6"	9"	FSELB8809	303896	7"	9"
4"	FSELB8804	303891	4 1/2"	6 1/4"	10"	FSELB8810	303897	7 1/2"	9 3/8"
5"	FSELB8805	303892	5"	6 3/4"	12"	FSELB8812	303898	8 1/2"	10 1/4"
6"	FSELB8806	303893	5 1/2"	7 1/2"	14"	FSELB8814	303899	9 1/2"	11 3/8"
7"	FSELB8807	303894	6 1/8"	7 7/8"	16"	FSELB8816	303900	11"	12 1/2"
8"	FSELB8808	303895	6 1/2"	8 1/4"					

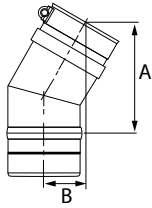
45° Elbow



Offsets obstructions as needed. Allows for better condensate management and less back pressure.

SIZE	ORDER #	STOCK #	A	B	SIZE	ORDER #	STOCK #	A	B
3"	FSELB4503	300130	5 3/8"	3"	12"	FSELB4512	300138	8 1/2"	4 1/4"
4"	FSELB4504	300131	5 5/8"	3 1/8"	14"	FSELB4514	300139	9 1/4"	4 5/8"
5"	FSELB4505	300132	6"	3 1/4"	16"	FSELB4516	300140	10"	4 7/8"
6"	FSELB4506	300133	6 3/8"	3 3/8"	18"	FSELB4518	303925	10 1/8"	5"
7"	FSELB4507	300134	6 3/4"	3 1/2"	20"	FSELB4520	303926	10 7/8"	5 1/4"
8"	FSELB4508	300135	7 1/8"	3 5/8"	22"	FSELB4522	303927	11 5/8"	5 5/8"
9"	FSELB4509	300136	7 1/2"	3 7/8"	24"	FSELB4524	303928	12 3/8"	5 7/8"
10"	FSELB4510	300137	7 7/8"	4"					

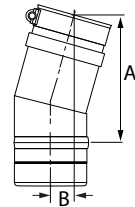
30° Elbow



Offsets obstructions as needed. Allows for better condensate management and less back pressure.

SIZE	ORDER #	STOCK #	A	B	SIZE	ORDER #	STOCK #	A	B
3"	FSELB3003	300650	4 7/8"	1 7/8"	9"	FSELB3009	300656	7"	2 1/2"
4"	FSELB3004	300651	5 1/8"	1 7/8"	10"	FSELB3010	300657	6 1/2"	2 1/4"
5"	FSELB3005	300652	5 1/4"	2"	12"	FSELB3012	300658	7"	2 1/2"
6"	FSELB3006	300653	5 1/2"	2"	14"	FSELB3014	300659	7 1/2"	2 1/2"
7"	FSELB3007	300654	5 7/8"	2"	16"	FSELB3016	300660	8 1/8"	2 3/4"
8"	FSELB3008	300655	6 1/8"	2 1/8"					

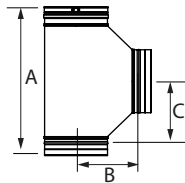
15° Elbow



Offsets obstructions as needed. Allows for better condensate management and less back pressure.

SIZE	ORDER #	STOCK #	A	B	SIZE	ORDER #	STOCK #	A	B
3"	FSELB1503	300239	4 3/8"	7/8"	9"	FSELB1509	300245	5 1/4"	1"
4"	FSELB1504	300240	4 1/2"	1"	10"	FSELB1510	300246	5 1/4"	1"
5"	FSELB1505	300241	4 5/8"	7/8"	12"	FSELB1512	300247	5 1/2"	1"
6"	FSELB1506	300242	4 3/4"	7/8"	14"	FSELB1514	300248	5 3/4"	1"
7"	FSELB1507	300243	4 7/8"	1"	16"	FSELB1516	300249	6 1/8"	1"
8"	FSELB1508	300244	5 1/8"	1"					

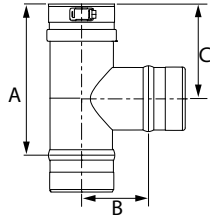
Wide Mouth Boot Tee



Use to transition from horizontal to vertical. Provides improved flue gas flow with angled gradual transitions. Can also be used as a manifold connection to gang boilers into a common vent.

SIZE	ORDER #	A	B	C	SIZE	ORDER #	A	B	C
4"	FSWBT4	15 3/4"	7"	6 9/10"	12"	FSWBT12	23 3/4"	11"	10 9/10"
5"	FSWBT5	16 3/4"	7 1/2"	7 3/10"	14"	FSWBT14	25 3/4"	12"	11 9/10"
6"	FSWBT6	17 3/4"	8"	7 9/10"	16"	FSWBT16	27 3/4"	13"	12 9/10"
7"	FSWBT7	18 3/4"	8 1/2"	8 3/10"	18"	FSWBT18	29 3/4"	14"	13 9/10"
8"	FSWBT8	19 3/4"	9"	8 9/10"	20"	FSWBT20	31 3/4"	15"	14 9/10"
9"	FSWBT9	20 3/4"	9 1/2"	9 3/10"	22"	FSWBT22	33 3/4"	16"	15 9/10"
10"	FSWBT10	21 3/4"	10"	9 9/10"	24"	FSWBT24	35 3/4"	17"	16 9/10"

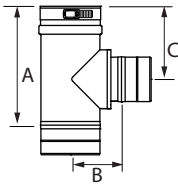
Standard Tee



Use for a 90° offset, or to combine connections from two or more appliances into a common vent. Can also use as a condensate management point when used in conjunction with drain fitting. All Standard Tees are completely welded.

SIZE	ORDER #	STOCK #	A	B	C	SIZE	ORDER #	STOCK #	A	B	C
3"	FST3	300175	7"	3"	4 1/2"	12"	FST12	300183	16"	7"	9"
4"	FST4	300176	8"	3 1/2"	5"	14"	FST14	300184	20"	8 1/2"	11"
5"	FST5	300177	10"	4"	6"	16"	FST16	300185	22"	9 1/2"	12"
6"	FST6	300178	10"	4 1/2"	6"	18"	FST18	303933	22 7/8"	11"	12 1/2"
7"	FST7	300179	12"	5"	7"	20"	FST20	303934	24 7/8"	12"	13 1/2"
8"	FST8	300180	14"	5 1/2"	8"	22"	FST22	303935	26 7/8"	13"	14 1/2"
9"	FST9	300181	14"	6"	8"	24"	FST24	303936	28 7/8"	14"	15 1/2"
10"	FST10	300182	14"	6 1/2"	8"						

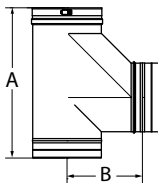
Branch Tee



Use as a Tee increaser or as a manifold connection to gang boilers into a common vent. **Available in custom size combinations.**

SIZE	ORDER #	STOCK #	A	B	C
4" x 4" x 3"	FST04B03	303004	8 1/16"	3 1/2"	5"
5" x 5" x 3"	FST05B03	303014	8 1/16"	4"	5 3/8"
6" x 6" x 5"	FST06B05	300199	10 1/8"	4 1/2"	5 3/4"

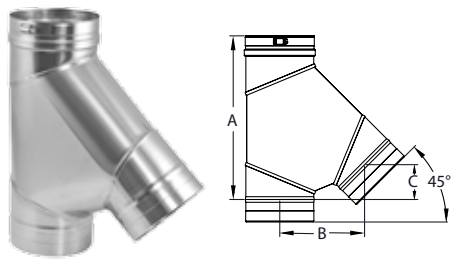
Boot Tee



Use to transition from horizontal to vertical with improved flue gas flow.

SIZE	ORDER #	STOCK #	A	B	SIZE	ORDER #	STOCK #	A	B
4"	FSBT4	301029	11 1/2"	7 1/2"	9"	FSBT9	301034	16 1/2"	10"
5"	FSBT5	301030	12 1/2"	8"	10"	FSBT10	301035	17 1/2"	10 1/2"
6"	FSBT6	301031	13 1/2"	8 1/2"	12"	FSBT12	301036	19 1/2"	11 1/2"
7"	FSBT7	301032	14 1/2"	9"	14"	FSBT14	301037	21 1/2"	12 1/2"
8"	FSBT8	301033	15 1/2"	9 1/2"	16"	FSBT16	301038	23 1/2"	13 1/2"

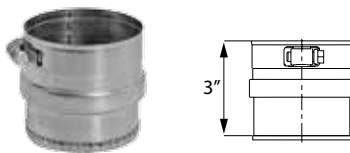
Single-Wall Wye



Use in place of any M&G DuraVent tee for a 45° angle instead of 90°; can be used as a manifold connection to gang multiple boilers into a common vent.

SIZE	ORDER #	STOCK #	A	B	C
6"	FWYE06	303163	14 1/2"	7 1/2"	3 1/10"
7"	FSWYE07	303164	16 1/3"	8 3/5"	3 1/2"
8"	FSWYE08	303165	18"	9 7/10"	4"
9"	FSWYE09	303166	19 7/10"	10 7/10"	4 2/5"
10"	FSWYE10	303167	21 2/5"	11 4/5"	4 9/10"
12"	FSWYE12	303168	24 9/10"	14"	5 4/5"
14"	FSWYE14	303169	28 3/10"	16 1/10"	6 3/5"

Tee Cap



Use to cap Standard Tee, Branch Tee or Boot Tee. Remove Tee Cap to inspect the system; clean out debris or collected condensate.

SIZE	ORDER #	STOCK #	SIZE	ORDER #	STOCK #
3"	FSTC3	300205	12"	FSTC12	300213
4"	FSTC4	300206	14"	FSTC14	300214
5"	FSTC5	300207	16"	FSTC16	300215
6"	FSTC6	300208	18"	FSTC18	303941
7"	FSTC7	300209	20"	FSTC20	303942
8"	FSTC8	300210	22"	FSTC22	303943
9"	FSTC9	300211	24"	FSTC24	303944
10"	FSTC10	300212			

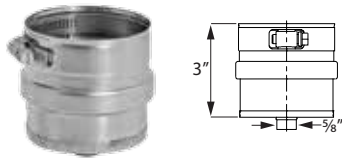
Universal Condensate Drain



Use to properly manage corrosive condensates common with high efficiency gas appliances. For best results, install close to the appliance. Can be used horizontally, vertically, or any angle in between.

SIZE	ORDER #	STOCK #	A	B
3"	FSUCD3	300959	6 3/5"	5/8"
4"	FSUCD4	300960	6 3/5"	5/8"
5"	FSUCD5	300961	6 3/5"	5/8"
6"	FSUCD6	300962	6 3/5"	5/8"
7"	FSUCD7	300963	6 3/5"	5/8"
8"	FSUCD8	300964	6 3/5"	5/8"
9"	FSUCD9	300965	6 3/5"	5/8"
10"	FSUCD10	300966	6 3/5"	5/8"
12"	FSUCD12	300967	6 3/5"	5/8"
14"	FSUCD14	300968	6 3/5"	5/8"
16"	FSUCD16	300969	6 3/5"	5/8"

Drain Fitting



Use instead of Tee Cap to manage condensates at the bottom of a vertical run. For vent systems larger than 16", use an IPS Drain Fitting.

SIZE	ORDER #	STOCK #	SIZE	ORDER #	STOCK #
3"	FSDF3	300220	9"	FSDF9	300226
4"	FSDF4	300221	10"	FSDF10	300227
5"	FSDF5	300222	12"	FSDF12	300228
6"	FSDF6	300223	14"	FSDF14	300229
7"	FSDF7	300224	16"	FSDF16	300230
8"	FSDF8	300225			

IPS Drain Fitting



Use to connect iron drain pipe to flow acidic condensates to a neutralization tank before disposal. Uses 1" NPT thread.

SIZE	ORDER #	STOCK #	SIZE	ORDER #	STOCK #
3"	FSIPSDF03	303815	12"	FSIPSDF12	303823
4"	FSIPSDF04	303816	14"	FSIPSDF14	303824
5"	FSIPSDF05	303817	16"	FSIPSDF16	303825
6"	FSIPSDF06	303818	18"	FSIPSDF18	303945
7"	FSIPSDF07	303819	20"	FSIPSDF20	303946
8"	FSIPSDF08	303820	22"	FSIPSDF22	303947
9"	FSIPSDF09	303821	24"	FSIPSDF24	303948
10"	FSIPSDF10	303822			

Horizontal Drain Fitting

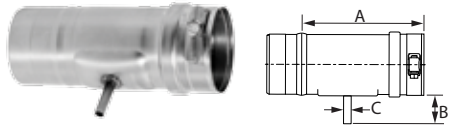
updated photo & drawing



Use to manage condensates in horizontal runs. Optimal when ganging multiple appliances into a common vent.

SIZE	ORDER #	STOCK #	A	SIZE	ORDER #	STOCK #	A
3"	FSHDF03	303834	3 1/2"	9"	FSHDF09	303840	3 1/2"
4"	FSHDF04	303835	3 1/2"	10"	FSHDF10	303841	3 1/2"
5"	FSHDF05	303836	3 1/2"	12"	FSHDF12	303842	3 1/2"
6"	FSHDF06	303837	3 1/2"	14"	FSHDF14	303843	3 1/2"
7"	FSHDF07	303838	3 1/2"	16"	FSHDF16	303844	3 1/2"
8"	FSHDF08	303839	3 1/2"				

Horizontal Drip Tee



Use to manage condensate in horizontal runs.

SIZE	ORDER #	STOCK #	A	B	C
3"	FSHDT3	300236	6"	1 1/2"	3/8"
4"	FSHDT4	300237	6"	1 1/2"	3/8"

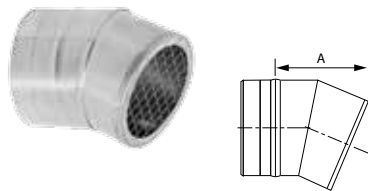
Bird Screen



Use for 3" and 4" standard through-the-wall terminations. Check installation instructions for restrictions on horizontal terminations, such as minimum distance from windows and doors.

SIZE	ORDER #	STOCK #	A
3"	FSBS3	300186	2"
4"	FSBS4	300187	2"

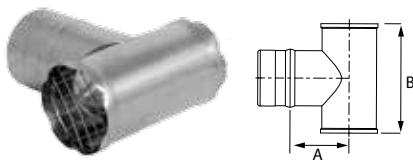
23° Bird Screen



Use for 5" to 16" through-the-wall termination. Deters rain and other elements from entering the vent system. Check installation instructions for restrictions on horizontal terminations, such as minimum distance from windows and doors.

SIZE	ORDER #	STOCK #	A
5"	FSBS5	300188	4 4/5"
6"	FSBS6	300189	5 3/5"
7"	FSBS7	300190	6 2/5"
8"	FSBS8	300191	7 1/10"
9"	FSBS9	300192	7 9/10"
10"	FSBS10	300193	8 7/10"
12"	FSBS12	300194	10 1/5"
14"	FSBS14	300195	11 7/10"
16"	FSBS16	300196	13 1/5"

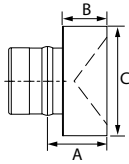
Termination Tee



Use for standard and high-wind through-the-wall terminations. Check installation instructions for restrictions on horizontal terminations, such as minimum distance from windows and doors.

SIZE	ORDER #	STOCK #	A	B
3"	FSTT3	300311	3"	6"
4"	FSTT4	300312	3 1/2"	7"
5"	FSTT5	300313	4"	8"
6"	FSTT6	300314	4 1/2"	9"

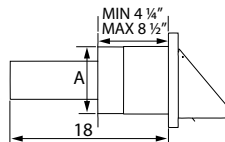
Termination Box



Use for horizontal through-the-wall terminations. Check installation instructions for restrictions on horizontal terminations, such as minimum distance from windows and doors. Larger sizes available, contact customer service.

SIZE	ORDER #	STOCK #	A	B	C
3"	FSTB3	300500	2 3/16"	2"	5"
4"	FSTB4	300501	2 3/16"	2"	6"

Wall Thimble w/Termination Damper

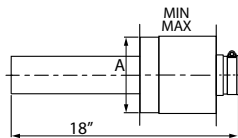


Use for horizontal through-the-wall terminations. Check installation instructions for restrictions on horizontal cap terminations, such as minimum distance from windows and doors. Accommodates wall thickness of 4 1/4" to 8 1/2". Damper prevents backdraft of cold air to appliance. Not a UL Listed component.

SIZE	ORDER #	STOCK #	A
3"	FSWTT3	300810	6"
4"	FSWTT4	300811	7"
5"	FSWTT5	300812	8"

Wall Thimble w/AVL

updated dimensions

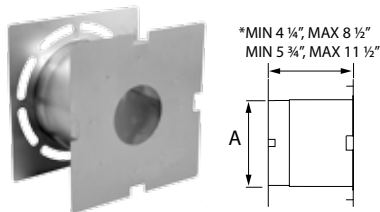


Use for through-the-wall termination. Fits between standard wall studs. 3"-5" diameters accommodates wall thickness of 4 1/4" to 8 1/2". 6"-16" diameters accommodate wall thickness of 5 3/4" to 11 1/2". AVL pipe allows for adjustability in length variance.

SIZE	ORDER #	STOCK #	A
3"	FSWT3	300280	5"
4"	FSWT4	300281	6"
5"	FSWT5	300282	7"
6"	FSWT6	300283	8"
7"	FSWT7	300284	9"
8"	FSWT8	300285	10"
9"	FSWT9	300286	11"
10"	FSWT10	300287	12"
12"	FSWT12	300289	13"
14"	FSWT14	300290	14"
16"	FSWT16	300291	15"

Wall Pass Through

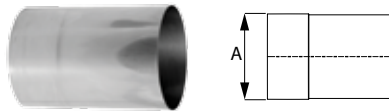
updated dimensions



Use for through-the-wall termination. Fits between standard wall studs. 3"-5" diameters accommodates wall thickness of 4 1/4" to 8 1/2". 6"-16" diameters accommodate wall thickness of 5 3/4" to 11 1/2".

SIZE	ORDER #	STOCK #	A	SIZE	ORDER #	STOCK #	A
3"	FSWPT3	300600	6"	9"	FSWPT9	300606	12"
4"	FSWPT4	300601	7"	10"	FSWPT10	300607	13"
5"	FSWPT5	300602	8"	12"	FSWPT12	300608	15"
6"	FSWPT6	300603	9"	14"	FSWPT14	300609	17"
7"	FSWPT7	300604	10"	16"	FSWPT16	300610	19"
8"	FSWPT8	300605	11"				

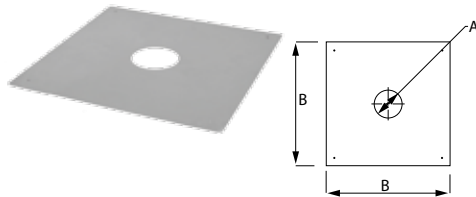
Wall Thimble Sleeve Extension



Use to add 6" of length to Wall Pass Through and Wall Thimble for thicker walls.

SIZE	ORDER #	STOCK #	A
3"	FSWTE3	300839	6"
4"	FSWTE4	300840	7"
5"	FSWTE5	300841	8"
6"	FSWTE6	300842	9"
7"	FSWTE7	300843	10"
8"	FSWTE8	300844	11"
9"	FSWTE9	300845	12"
10"	FSWTE10	300846	13"
12"	FSWTE12	300847	15"
14"	FSWTE14	300848	17"
16"	FSWTE16	300849	19"

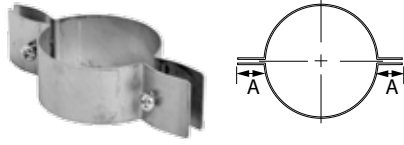
Firestop/Flat Flashing



Use when penetrating floor levels.

SIZE	ORDER #	STOCK #	A	B	SIZE	ORDER #	STOCK #	A	B
3"	FSFS3	300295	3 3/5"	15"	12"	FSFS12	300322	12 3/5"	24"
4"	FSFS4	300296	4 3/5"	15"	14"	FSFS14	300323	14 3/5"	26"
5"	FSFS5	300297	5 2/5"	17"	16"	FSFS16	300324	16 2/5"	28"
6"	FSFS6	300298	6 2/5"	17"	18"	FSFS18	303981	18 3/5"	30"
7"	FSFS7	300299	7 2/5"	19"	20"	FSFS20	303983	20 3/5"	32"
8"	FSFS8	300300	8 2/5"	19"	22"	FSFS22	303985	22 3/5"	34"
9"	FSFS9	300301	9 2/5"	22"	24"	FSFS24	303988	24 3/5"	36"
10"	FSFS10	300302	10 3/5"	22"					

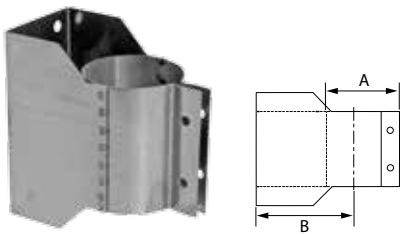
Support Clamp



Use to support vertical and horizontal runs using threaded rod. Recommended every 10' on vertical runs and every 6' in horizontals. Use additional Support Clamps as needed.

SIZE	ORDER #	STOCK #	A	SIZE	ORDER #	STOCK #	A
3"	FSCL3	300360	1 1/2"	12"	FSCL12	300368	1 1/2"
4"	FSCL4	300361	1 1/2"	14"	FSCL14	300369	1 1/2"
5"	FSCL5	300362	1 1/2"	16"	FSCL16	300293	1 1/2"
6"	FSCL6	300363	1 1/2"	18"	FSCL18	304014	1 1/2"
7"	FSCL7	300364	1 1/2"	20"	FSCL20	304016	1 1/2"
8"	FSCL8	300365	1 1/2"	22"	FSCL22	304018	1 1/2"
9"	FSCL9	300366	1 1/2"	24"	FSCL24	304020	1 1/2"
10"	FSCL10	300367	1 1/2"				

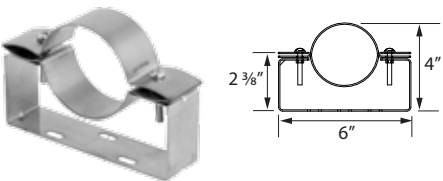
Wall Bracket



Use to support vent pipe or tee sections. Provides proper clearance to combustibles.

SIZE	ORDER #	STOCK #	A	B	SIZE	ORDER #	STOCK #	A	B
3"	FSWB3	300430	3"	3 1/2"	9"	FSWB9	300436	9"	6 1/2"
4"	FSWB4	300431	4"	4"	10"	FSWB10	300437	10"	7"
5"	FSWB5	300432	5"	4 1/2"	12"	FSWB12	300438	12"	8"
6"	FSWB6	300433	6"	5"	14"	FSWB14	300439	14"	9"
7"	FSWB7	300434	7"	5 1/2"	16"	FSWB16	300440	16"	10"
8"	FSWB8	300435	8"	6"					

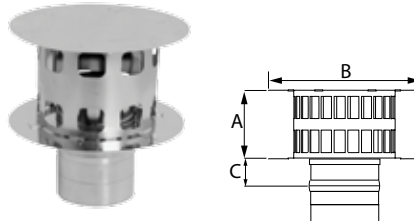
Adjustable Wall Bracket



Use to support vent pipe in lateral and horizontal runs. Assist in achieving proper pitch for condensate management. Adjusts up to 3".

SIZE	ORDER #	STOCK #
3"	FSAWB03	303801
4"	FSAWB04	303802

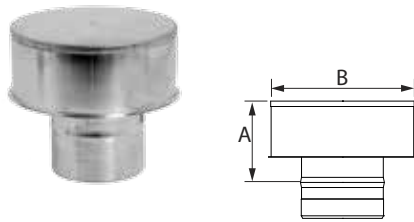
Rain Cap



Use to terminate above the roof line. When terminating above 12" vent diameter use a Termination Cone.

SIZE	ORDER #	STOCK #	A	B	C
3"	FSRC3	300325	3 ½"	6 ½"	1"
4"	FSRC4	300326	4 ½"	8 ¾"	1"
5"	FSRC5	300327	5 ½"	11 ¾"	1"
6"	FSRC6	300328	6 ½"	13 ½"	1"
7"	FSRC7	300329	7 ½"	15 ½"	1"
8"	FSRC8	300330	8 ½"	18"	1"
9"	FSRC9	300331	10"	20 ¾"	1"
10"	FSRC10	300332	11"	22 ½"	1"
12"	FSRC12	300333	13"	27"	1"

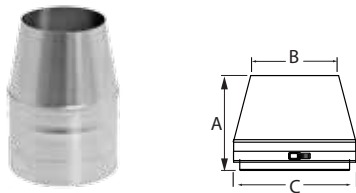
Severe Weather Rain Cap



Use where high winds and horizontal rain are present. For vertical termination only.

SIZE	ORDER #	STOCK #	A	B
4"	FSSWRC04	303964	6"	7 ¼"

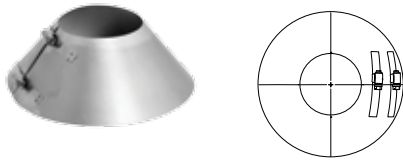
Termination Cone ***updated stock#***



Use for vertical termination. Creates static back pressure to adjust harmonics. Venturi effect increases velocity of flue gases. Reduced opening provides for a smaller cross section to deter rain from entering the system. **Available in custom size combinations.**

SIZE	ORDER #	STOCK #	A	B	C
5" x 4"	FSCN0504	303776	6 ¾"	4"	5"
12" x 10"	FSCN1210	300868	6 ¾"	10"	12"
14" x 12"	FSCN1412	300622	6 ¾"	12"	14"
16" x 14"	FSCN1614	300623	6 ¾"	14"	16"
18" x 16"	FSCN1816	300748	6 ¾"	16"	18"
20" x 18"	FSCN2018	303551	6 ¾"	18"	20"
22" x 20"	FSCN2220	303552	6 ¾"	20"	22"
24" x 22"	FSCN2422	303553	6 ¾"	22"	24"

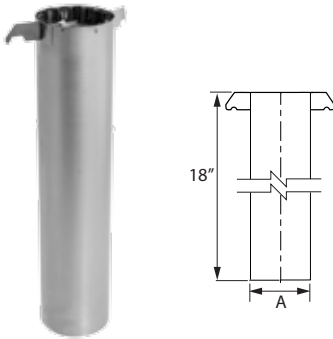
Storm Collar



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

SIZE	ORDER #	STOCK #	SIZE	ORDER #	STOCK #
3"	FSC3	300944	12"	FSC12	300954
4"	FSC4	300945	14"	FSC14	300956
5"	FSC5	300946	16"	FSC16	300958
6"	FSC6	300947	18"	FSC18	303991
7"	FSC7	300948	20"	FSC20	303993
8"	FSC8	300949	22"	FSC22	303995
9"	FSC9	300950	24"	FSC24	303997
10"	FSC10	300952			

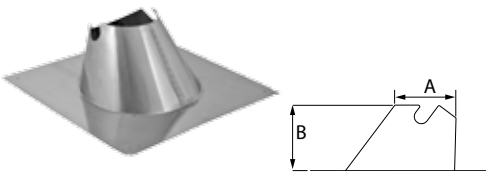
Roof Jack



Use as a heat shield within the flashing. Maintains center-line and clearance to combustibles.

SIZE	ORDER #	STOCK #	A	SIZE	ORDER #	STOCK #	A
3"	FSVRJ3	300911	4"	12"	FSVRJ12	300919	13"
4"	FSVRJ4	300912	5"	14"	FSVRJ14	300920	15"
5"	FSVRJ5	300913	6"	16"	FSVRJ16	300921	17"
6"	FSVRJ6	300914	7"	18"	FSVRJ18	300993	19"
7"	FSVRJ7	300915	8"	20"	FSVRJ20	300994	21"
8"	FSVRJ8	300916	9"	22"	FSVRJ22	300995	23"
9"	FSVRJ9	300917	10"	24"	FSVRJ24	300996	25"
10"	FSVRJ10	300918	11"				

Variable Pitch Roof Flashing



Use to create a weather-tight penetration where the vent pipe passes through the roof. Roof Jack and Storm Collar required. 3"-24"Ø accommodates flat to 9/12 roof pitch.

SIZE	ORDER #	STOCK #	A	B	SIZE	ORDER #	STOCK #	A	B
3"	FSVPF3	300922	5"	7"	12"	FSVPF12	300930	14"	7"
4"	FSVPF4	300923	6"	7"	14"	FSVPF14	300931	16"	7"
5"	FSVPF5	300924	7"	7"	16"	FSVPF16	300932	18"	7"
6"	FSVPF6	300925	8"	7"	18"	FSVPF18	300987	20"	28 1/2"
7"	FSVPF7	300926	9"	7"	20"	FSVPF20	300984	22"	29 1/2"
8"	FSVPF8	300927	10"	7"	22"	FSVPF22	300985	24"	30 1/2"
9"	FSVPF9	300928	11"	7"	24"	FSVPF24	300986	26"	31 1/2"
10"	FSVPF10	300929	12"	7"					

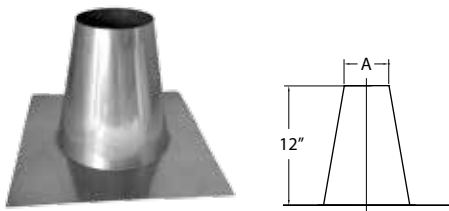
Tall Cone Roof Jack ***new part***



Use as a heat shield within the flashing. Maintains center-line and clearance to combustibles. Use with Tall Cone Flashings.

SIZE	ORDER #	STOCK #	A	SIZE	ORDER #	STOCK #	A
3"	300303	FSAF3	4 1/3"	9"	300309	FSAF9	10 1/3"
4"	300304	FSAF4	5 1/3"	10"	300310	FSAF10	11 1/3"
5"	300305	FSAF5	6 1/3"	12"	300336	FSAF12	13 1/3"
6"	300306	FSAF6	7 1/3"	14"	300337	FSAF14	15 1/3"
7"	300307	FSAF7	8 1/3"	16"	300338	FSAF16	17 1/3"
8"	300308	FSAF8	9 1/3"				

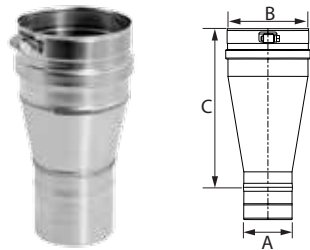
Tall Cone Flashing ***new part***



Use to create a weather-tight penetration where the vent passes through the roof. Roof Jack and Storm Collar required.

SIZE	ORDER #	STOCK #	A	SIZE	ORDER #	STOCK #	A
3"	FSRJ3	300383	4"	9"	FSRJ9	300389	10"
4"	FSRJ4	300384	5"	10"	FSRJ10	300390	11"
5"	FSRJ5	300385	6"	12"	FSRJ12	300391	13"
6"	FSRJ6	300386	7"	14"	FSRJ14	300392	15"
7"	FSRJ7	300387	8"	16"	FSRJ16	300393	17"
8"	FSRJ8	300898	9"				

Tapered Increaser



Use to increase vent diameter. Creates a smooth transition for an undistruptive flow. **Available in custom size combinations.**

SIZE	ORDER #	STOCK #	A	B	C
3" x 4"	FS0304TI	300700	3"	4"	6 9/16"
4" x 5"	FS0405TI	300710	4"	5"	6 9/16"

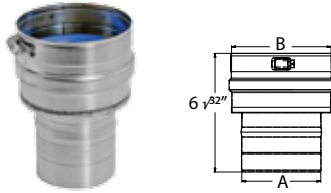
Eccentric Increaser



Use to transition to a larger diameter pipe. Prevents condensate puddling when used on horizontal runs. Aids in reducing formation of condensates. Maximum 10" difference between diameter increase size on both sizes. **Available in custom size combinations.**

SIZE	ORDER #	STOCK #	A	B	C
3" x 4"	FS0304EI	303787	6"	8"	10 3/8"
4" x 5"	FS0405EI	303739	4"	5"	7 3/16"

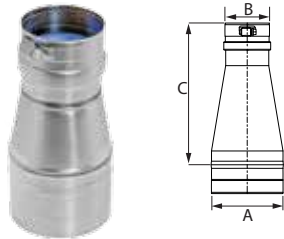
Stepped Increaser



Use to increase vent diameter when space constraints are an issue. **Available in custom size combinations.**

SIZE	ORDER #	STOCK #	A	B
3" x 4"	FS34I	300382	3"	4"
4" x 5"	FS45I	300381	4"	5"

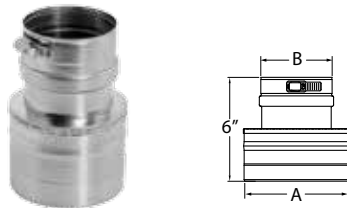
Tapered Reducer



Use to reduce vent diameter. Creates a smooth transition for an undisruptive flow. Maximum 10" diameter increase size on both sizes. **Available in custom size combinations.**

SIZE	ORDER #	STOCK #	A	B	C
4" x 3"	FS0403TR	300809	4"	3"	6 9/10"
5" x 4"	FS0504TR	300807	5"	4"	6 9/10"

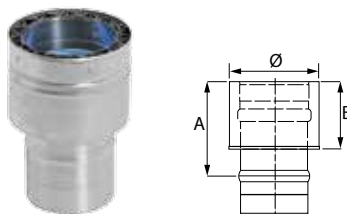
Stepped Reducer



Use to reduce vent diameter when space constraints are an issue. **Available in custom size combinations.**

SIZE	ORDER #	STOCK #	A	B
4" x 3"	FS43R	300380	4"	3"
5" x 4"	FS54R	300455	5"	4"

Double-Wall Adapter



Use to transition from a single-wall pipe to double-wall pipe.

SIZE	ORDER #	STOCK #	A	B	SIZE	ORDER #	STOCK #	A	B
3"	FSA-SWDW3	100141	4"	3"	12"	FSA-SWDW12	100149	4"	3"
4"	FSA-SWDW4	100142	4"	3"	14"	FSA-SWDW14	100150	4"	3"
5"	FSA-SWDW5	100143	4"	3"	16"	FSA-SWDW16	100151	4"	3"
6"	FSA-SWDW6	100144	4"	3"	18"	FSA-SWDW18	100152	4"	3"
7"	FSA-SWDW7	100145	4"	3"	20"	FSA-SWDW20	100153	4"	3"
8"	FSA-SWDW8	100146	4"	3"	22"	FSA-SWDW22	100154	4"	3"
9"	FSA-SWDW9	100147	4"	3"	24"	FSA-SWDW24	100155	4"	3"
10"	FSA-SWDW10	100148	4"	3"					

Standard Wall Mount Kit



Kit includes: Wall Thimble w/Termination, Adjustable 90° Elbow, and Universal Appliance Adapter.

Use to vent wall mounted boilers or tankless water heaters. Terminates through-the-wall only. Available in 3", 4" and 5" vent diameters. Adjust vertically from 16 1/2" to 21" and horizontally from 8" to 12 1/2". 3"& 4" compatible with most gas-burning appliances. 5" compatible with tankless. Not a UL Listed component.

SIZE	ORDER #	STOCK #
3"	FSWMK3	300676
4"	FSWMK4	300684
5"	FSWMK5	304000

Severe Weather Kit



Kit includes: Wall Thimble w/Termination Tee, Adjustable 90° Elbow, and Universal Appliance Adapter w/Condensate Drain and Back Draft Preventer.

Use to vent wall mounted boilers or tankless water heaters. Use in areas of extreme wet and cold weather. Designed to prevent appliance freeze-up while maintaining an obstruction free exhaust. Available in 4" vent diameters, compatible with most 4" exhaust gas appliances. Add a 90° Elbow and Vent Length on the outside of the house to clear high snow lines.

SIZE	ORDER #	STOCK #
4"	FSSWWMK4	303290

Variable Pitch Flashing Kit



Kit includes: Rain Cap, Storm Collar, Roof Jack, and Roof Flashing. (*VPKA Kit includes: a Universal Appliance Adapter w/Condensate Drain).

Use to terminate through-the-roof vent systems. Kit accommodates flat to 9/12 roof pitch.

SIZE	ORDER #	STOCK #	SIZE	ORDER #	STOCK #
3"	FSVPK3	300661	9"	FSVPK9	300667
4"	FSVPK4	300662	10"	FSVPK10	300668
4"	FSVPA4*	303119	12"	FSVPK12	300669
5"	FSVPK5	300663	14"	FSVPK14	300670
6"	FSVPK6	300664	16"	FSVPK16	300671
7"	FSVPK7	300665			
8"	FSVPK8	300666			

90° Bird Screen Wall Mount Kit

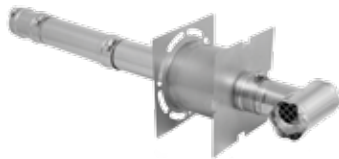


Kit includes: 90° Bird Screen Termination, Wall Thimble, Adjustable 90° Elbow, and Universal Appliance Adapter.

Use to vent wall mounted boilers or tankless water heaters. 3" kit adjusts vertically from 14 1/2" to 19" and horizontally from 9" to 13 1/2". 4" kit adjusts vertically from 14" to 18 1/2" and horizontally from 9" to 13 1/2". Compatible with all Rheem gas appliances. 3" kit requires a FSA-RI-4.2 Adapter.

SIZE	ORDER #	STOCK #
3"	FSWMKE3	303300
4"	FSWMKE4	300864

Ceiling Mounted Heater Vent Kit

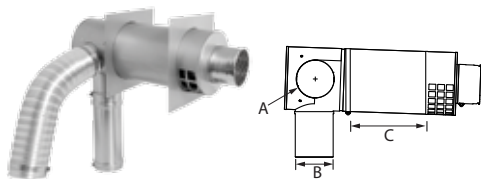


Kit includes Termination Tee, Wall Thimble w/Adjustable Vent Length, (2) 12" Vent Lengths, and Universal Appliance Adapter. *4" kit includes Universal Appliance Adapter with Condensate Drain.

Use to vent ceiling mounted heaters, through-the-wall termination only. Compatible with Modine ceiling heaters.

SIZE	ORDER #	STOCK #
3"	FSCMK3	300682
4"	FSCMK4	301011

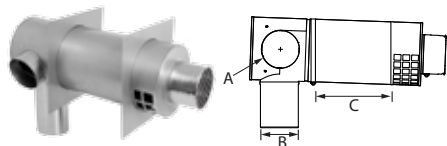
Universal Concentric Kit



Use for through-the-wall termination with direct vent wall mounted gas appliances. Features an adjustable right and left hand air intake snout and accommodates wall thickness of 10" - 18". Check installation instructions for restrictions on horizontal termination, such as minimum distance from windows and doors.

SIZE	ORDER #	STOCK #	A	B	C
4"	FSEDVWMT04U	303238	4"	4"	10" - 18"
5"	FSEDVWMT05U	303242	5"	5"	10" - 18"

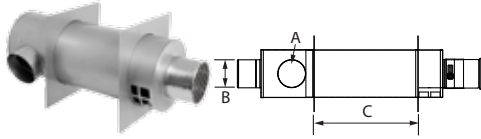
Wall Mount Concentric Kit



Use for through-the-wall termination with direct vent wall mounted gas appliances. Features a fixed right or left hand air intake snout and accommodates a maximum of 8" wall thickness. Check installation instructions for restrictions on horizontal termination, such as minimum distance from windows and doors.

SIZE	ORDER #	STOCK #	A	B	C
4"	FSDVWMT0403RH	303351	4"	3"	8" max.
4"	FSDVWMT0403LH	303352	4"	3"	8" max.
4"	FSDVWMT04RH	303260	4"	4"	8" max.
4"	FSDVWMT04LH	303280	4"	4"	8" max.

Remote Concentric Kit



Use for through-the-wall termination with direct vent gas appliances located away from the wall. Check installation instructions for restrictions on horizontal termination, such as minimum distance from windows and doors.

SIZE	ORDER #	STOCK #	A	B	C
3"	FSDVWT03	303800	3"	3"	11" max.
4"	FSDVWT04	303259	4"	4"	11" max.
4"	FSDVWT0403	303350	4"	3"	11" max.

Appliances and Adapters

Manufacturer	Model	Appliance Adapter	Termination Adapter
Aerco International	Benchmark 2.0 GWS, 3.0 LN	FSA-AE8	
	KC-1000	FSA-AE6	
	Modulex Series	Standard Vent Pipe 4", 6"	
Ajax	Atlas GS Series	FSA-HFA6, 8	
A.O. Smith	Burkay Genesis Series	FSA-HFA4 a, 5 a	
	Legend 2000 Series	FSA-HFA6 a, 7 a	
	ProStar Series	FSAAU4	
	GB/GW 400, 500	300827	FSAAU6
	GB/GW 1000	300831	FSAAU10
	GB/GW 1300, 1500	300832	FSAAU12
	GB/GW 1850, 2100	300833	FSAAU14
	GB/GW 2500	300834	FSAAU16
	GB/GW 300	300831	FSAAU10
	GB/GW 650, 750	300829	FSAAU8
	ATI 705-N	300825	FSAAU4
	Cyclone BTH-150	300405	FSA-PVC3
	VW-750	300460	FSA-HFA6
	Aerco	Benchmark 1.5	300421
Atlas	300	300382	
Beacon/Morris	BRU Series	FSAAU4	
	BTU Series	FSAAU4, 5, 6	
Bosch	Aquastar 125 FX	FSA-LMGD4 a	
	Aquastar GHW-635-ES	Standard Vent Pipe 3"	
	Aquastar 250SX	Standard Vent Pipe 3"	
	Aquastar 240FX	FSAAU4	
	AquaStar 2400ES	300824	FSAAU3
	AquaStar 2700ES	300825	FSAAU4
	GWH 425EF	300825	FSAAU4
Bradford-White	EF Series	FSA-PVC3	
Buderus	G115 Series	FSAAU4 or FSAAU5	
	G124X Series	FSAAU5, 6	
	GA124 Series	FSAAU3	
	GA244/37, 44, 53	FSAAU3	
	GA244/62	FSAAU4	
	GB142 Series	FSAAU3	
	GB312/90 to GB312/160	FSA-158-6F	
	GB312/200 to GB312/280	FSA-197-8F	
	SB615 Series	FSA-SB7, 8, 10, 12	
	SB735 Series	FSA-SB14	
Burnham	Independence PV	FSA-HFB3 b	FSA-PV3
	Minute Man II	FSA-HFB3 b	FSA-PV3

Burnham	Revolution	FSA-HFB3 b	FSA-PV3
	Revolution II	FSA-HFB3 b	FSA-PV3
	Series 2PV	FSA-HFB3 b	FSA-PV3
	Spirit	FSA-HFB3 b	FSA-PV3
	PVG/SCG Series	FSA-HFB3 b, 4 b	
	V11 Series	FSAAU8, 10, 12, 14, 16	
Camus Boiler	MicoFlame Series I	FSAAU3, 4, 5, 6	
	MicoFlame Series II	FSAAU8, 10, 12	
	MicoFlame Grande Series	FSAAU12, 14	
	DynaFlame Series	FSAAU6, 8, 10, 12, 14	
Carel	Humidifier UG 180	FSAAU5	
Cleaver Brooks	MCF Series	FSA-MCF6, 8, 10, 12	
	FLX Series	FSA-FLX10, 12, 16	
	CFC 1000	300829	FSAAU8
	CFC 1500	300831	FSAAU10
	CFC 500	300827	FSAAU6
Columbia	Patriot Series-Direct Vent	FSA-UTC4	
Crown Boiler Co.	Bali BWF-061, 095, 128, 162	Standard Vent Pipe 3" a	FSA-M3 a
	Bali BWF-195, 229	Standard Vent Pipe 4" a	FSA-M4 a
	Bimini BWC150, 225	Standard Vent Pipe 3" a, 4" a	FSA-M3, 4 a
	Cabo CSC-050 thru 150	Standard Vent Pipe 3" a	FSA-M3 a
	BWC 399		std. vent pipe
	Cabo CSC-175, 200	Standard Vent Pipe 3" a, 4" a	FSA-M3, 4 a
	Cabo II CWD060-245	FSA-HFA3, 4	
Dunkirk	XEB-2 thru XEB-5	FSAMETEK3	FSA-M3 a
	XEB-6 thru XEB-7	FSAMETEK3	Standard Vent Pipe 3"
De Dietrich	GT334A, GT335A, GT336A	FSAAU7	
	GT337A, GT338A, GT339A	FSAAU8	
	GT430-8A to GT430-10A	FSAAU10	
	GT430-11A to GT430-14A	FSAAU12	
	Series 334,335, 336	300828	FSAAU7
	Series 337,338, 339	300829	FSAAU8
	Series 430-11, -12, -13,-14	300832	FSAAU12
	Series 430-8, -9, -10	300831	FSAAU10
	Series 310-5,-6, -7, -8, -9	300831	FSAAU10
	C-230 ECO *updated*	303764	FSA-149-6F
C-130 ECO	303235	FSA-250-10F	
Fulton Boiler Works	PulsePak PHW Series	FSA04T2.5, FSA06T2.5	
	Vantage VTG3000	FSAAU12	
	PHW 2000	300881	FSA-06T2.5

Appliances and Adapters

Peerless	DE Series	FSA-PSC/DE3 a	
	PDE Series	FSA-PDE3 a	
	PSC Series	FSA-PSC/DE3 a	
	PSC II Series	FSA-HFA3	
	PF Series PF-50, PF-80, PF-110, PF-140 *updated*	300147	
	PF-210 *updated*	300715	
	PF-399 *updated*	300759	
	PF850, PF-1000 *updated*	STD 6" SW Vent or SWDW adaptor	
Penanco	FSB Series	FSAMETEK3	
Pentair	MiniMax NT	TBA	
PVI	Power VT Series	FSA-HFA4 a	
Quietside	QVM8 Series	FSAAU3	FSA-PV3
	DPW 199	300535	FSA-PVC4
	DPW 120A	300405	FSA-PVC3
Raypak	Advanced Design Boiler ADB-500	FSAAU6	
	Advanced Design Boiler		
	ADB-750 thru 1501	FSAAU8, 10, 12	
	Hi Delta 122 thru 2342	FSAAU4, 5, 6, 8, 12, 14, 16	
	MVB 1003	300827	FSAAU6
	MVB 2003, 1753, 1503, 1253	300829	FSAAU8
	X-Therm WH-1505, 2005	300829	FSAAU8
	X-Therm WH-1005	300827	FSAAU6
	Pool heater CR-406A	300830	FSAAU9
	Pool heater CR-336A	300829	FSAAU8
	Pool heater CR-266A	300828	FSAAU7
Pool heater CR-206A	300827	FSAAU6	
RBI	Fusion Series	FSA-HFAX *updated*	
	Futura II Series	FSA-HFAX *updated*	
	Futura III Series	FSA-HFAX *updated*	
	Dominator Series	FSA-HFAX *updated*	
	LCD Dominator Series	FSA-HFAX *updated*	
Rheem/Ruud	RTG-42PVN (Pronto 4.2)	FSA-RI-4.2	
	RTG-74 (Pronto 7.4)	FSAAU4	
Slantfin	Caravan Series	FSA-HFA3 a	
	Concept 21 Series	FSA-HFA3 a	FSA-NYV3 a
Slantfin	Prodigy 21	FSA-HFA3 a	
	Victory VSPH Series	FSA-HFA3 a	
	Victory II Series	FSA-HFA3 a	
Smith Cast Iron	GV100 Series	FSA-SMITH4	
	Lexington GS110 Series	FSA-ELB3, 4	
	State Water Heater	Aurora GAX194	14-15
Smith Cast Iron	GT 200	300824	FSAAU3
StayRite	Pool Heater	300354	FSA-STARITE-4

Takagi	T-H1	FSAAU4	FSA-TTA4
	T-K1	FSAAU4	FSA-TTA4
	T-K2	FSAAU4	FSA-TTA4
	T-K3	FSAAU4	FSA-TTA4
	T-K1S	FSAAU4	FSA-TTA4
	T-K Jr.	FSAAU4	FSA-TTA4
	T-KD20	FSAAU4	FSA-TTA4
	T-M1	FSAAU4	FSA-TTA4
	T-M50	FSAAU5	FSA-TTA4
	Solaris	FSA-TS6	
	Thermo-Dynamics	LMGD Series	FSA-LMGD4 a
CWL-GS Series		TBA	
Thermal Solutions	Evolution Series	FSA-HFA3 a, 4 a, 6 a, 8 a	
Triangle Tube	Delta Performance	FSA-TR3	
	Delta Performance Plus	FSA-TR3	
	Solo 250	300611	FSA-ULT3
	Solo 399	300566	FSA-ULT4
Utica	USC Series	Standard Vent Pipe a d	
	DV-B Series	Standard Vent Pipe a d	
Vapac	GF Series	FSA-GF3	
Viessmann	Vitocrossal 300 CT-3 Series	FSAAU8, 10, 12	
	Vitogas 50 ECV Series	Standard Vent Pipe 3" a	FSA-M3 a
	Vitogas 100 GS10 Series	FSAAU8, 9, 10	
	Vertomat VSB-37, 46, 57	TBA	
	Vitodens WB2 Series	FSA-V3, 4	
	WB 100	303763	FSA-80-3F
Wai Wela	PH-16IFSN/P	FSA-RI-4.2	
	PH-20-RIFSN/N	FSA-RI-4.2	
	PH-28RIFSN/P	FSAAU4	
Weben Jarco	Vision 3000 Series	FSA-HFA6, 8, 10 a	
	E-Finity	TBA	
Weil McLain	GV ST	FSA-WEIL-GV3	
	CGi Series	FSA-WM-CG13	
	CGs Series	FSA-WM-CG13	
	CGt Series	FSA-WM-CG13	
	GV GOLD Series 3	FSA-WEIL-GVTEE3	
Williamson Thermoflo	GV GOLD Series 4	FSA-WEIL-GVTEE3	
	Ultra Series	FSA-ULT3, 4	
Williamson Thermoflo	GWI Series	FSA-WM-CG13	

a = High-temperature RTV silicone sealant is required.

b = Can also be vented with FSAVL3 (3") or FSAVL4 (4").

c = Additional Muffler adapters required.

d = Can use FSAAU in place of Standard Vent Length with silicone.

Custom Design Solutions

Engineering Support for Commercial Applications

Commercial projects require expert knowledge and a fast, flexible, customer oriented approach. From simple single boiler installations to complex multi-unit common vented, or cascaded projects, M&G DuraVent has the expertise, the product offerings and the tools to help you create the right solution.

Expertise

Our staff of engineers can work with you through a simple and quick submittal process to provide system sizing, simple layout drawings for quotation purposes, a detailed product listing and quote and fully detailed mechanical drawings should your job require. With many years of expert experience we can deal confidently with your needs no matter what the heating appliance may be.

Products

Our FasNSeal product, both single and double-wall, features:

- A triple lipped gasket.
- Butt-welded smooth seams inside and out.
- A built-in mechanical clamping system at each joint.
- AL29-4C stainless steel alloy.
- No silicone required.
- Diameters from 3" to 24" with a full compliment of appliance adapters, adjustable vent lengths, tees, increasers, reducers, tee, terminations and condensate management options to suit any install.

Assuring you safe, secure installations without call backs.

Where exhaust gases permit a non-metallic venting system, we offer our Green Vent Poly Pro product for commercial installations in 5", 6" and 8" diameters. Listed to ULC-S636 and featuring engineered ice-free terminations, quick easy assembly and installation as well as an environmentally friendly material, this is the best product available when plastics are your solution.

Tools

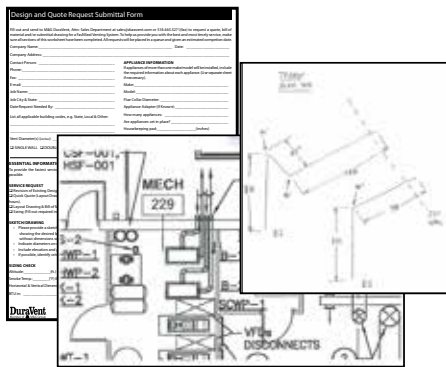
We provide expert sizing for your systems using proprietary tools compliant with ASHRAE standards and the EN14483 standard. Using a quick sketch layout tool we provide a layout drawing and product detail to support your quote. Where you need further detail, we provide full detailed 3D layouts to support your installation.

Engineering Support Second to None

A quick easy submittal process with a simple dimensioned layout sketch provides you with the detail and the quote you need.

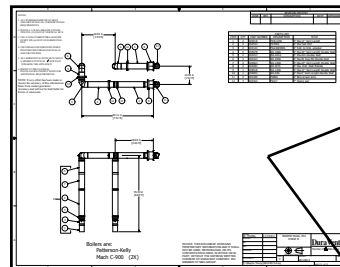
M&G DuraVent
Technical and Engineering Support
800-766-3471
FAX 518-463-5271
engineering@duravent.com

Start



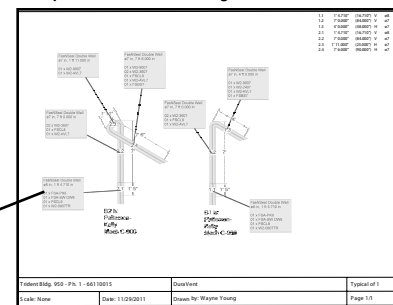
Submit the design submittal sheet and either a mechanical drawing OR a hand sketch of the mechanical drawing

Finish



Inventor layout on CAD software providing the computer aided vent diagram and order of install

Computer Aided Vent Diagram



Order of Install				
Project No: 028564	Project Name: Tilden Bldg 950 - Ph. 1			
System No: 11/29/2011	Location: N. Charleston, SC			
Date: 11/29/2011	Layout Title: 00110015			
Section	Qty	Item No.	Description	Weight
1.1	1	FSA-FR8	FasNSeal Double Wall - 1" x 710 (62.71) length, 8" diameter	5.6
1.1	1	FSA-SW-DWB	8" Dia Adapter - F.A. Match Series	6.0
1.1	1	FSC14	8" Dia Support Clamp	5.1
1.1	1	W2-DB1776	8" Dia 1/2" Expanded Insulator W/TS	8.0
1.2	2	W2-5607	FasNSeal Double Wall - 7' 0.000 (66.07) length, 7" diameter	11.2
1.2	1	FSC18	7" Dia 3/4" Length Double Wall	1.0
1.2	1	W2-617	7" Dia Ad. Double Wall	4.4
1.3	1	W2-9007	FasNSeal Double Wall - 4' 0.000 (36.07) length, 7" diameter	4.4
1.3	1	W2-5607	7" Dia 3/4" Length Double Wall	6.4
1.3	1	W2-617	7" Dia Ad. Double Wall	4.8
1.3	1	W2-617	7" Dia 3/4" Length Double Wall	1.2
1.3	1	W2-977	7" Dia Wall Terminate Double Wall	8.7
2.1	1	FSA-FR8	FasNSeal Double Wall - 1" x 710 (62.71) length, 8" diameter	5.6
2.1	1	FSA-FR8	8" Dia Adapter - F.A. Match Series	1.6

Combined Bill of Materials

FasNSeal

3"-24" Commerical Venting

Set the standard as the **first vent system with a built-in gasket and locking band**, designed for high efficiency gas heaters where cool flue gases are vented under pressure.



Information to get the job done right

Website

Before calling, check the company's literature library to see if your question can be answered there. Publications are available for immediate viewing at www.duravent.com. Click on the 'support' then 'literature' link to download literature as a pdf that can be saved on your computer or printed out.

Working out the details.

Every project is different. Each has its own specifications, and constraints. DuraVent's Engineering Department services the needs of customers with unique requirements.

Commercial Applications

Commercial projects may require custom parts and unique system designs. DuraVent offers complete project assistance for:

- Engineering Services: Personalized system design services which offer comprehensive CAD submittal drawings and a complete bill of materials.
- Custom Parts: If your project requires innovative solutions contact Dura-Vent for custom parts to meet a specific project's needs.

- Up to 16" Vent Diameters: Many commercial applications require large diameter systems due to a units size and output. Large diameters are available in single and double wall, featuring FasNSeal's triple lipped directional gaskets and built-in locking band, for safe and convenient installations.

We provide expert sizing for your systems using proprietary tools compliant with ASHRAE standards and the EN14483 standard. Using a quick sketch layout tool we provide a layout drawing and product detail to support your quote. Where you need further detail, we provide full detailed 3D layouts to support your installation.

DuraVent has the experience, talent and equipment to fabricate parts for most commercial venting systems.



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