



Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Date: 09/18/13

AIRTEMP INC.
MECHANICAL CONTRACTORS
11 WALLACE AVE.
S. PORTLAND ME 04106
207-774-2300
207-871-1345 FAX

A COMFORT SYSTEMS USA COMPANY
QUALITY PEOPLE – BUILDING SOLUTIONS

SUBMITTAL

JOB: BOILER REPLACEMENT PROJECT
DATE: 8/14/13
LOCATION: 100 STATE STREET, PORTLAND, MAINE
MECHANICAL CONTRACTOR: AIRTEMP INC.
ENGINEER: COLBY COMPANY ENGINEERING
47A YORK ST.
PORTLAND, MAINE 04101

AIRTEMP JOB NUMBER: 500

AIRTEMP IS PLEASED TO SUBMIT THE FOLLOWING ITEMS FOR APPROVAL:

235100 BREECHINGS, CHIMNEYS, AND STACKS

Exact measurements will be field verified before ordering.

PLEASE RETURN .PDF OF REVIEWED SUBMITTALS TO US



FasNSeal CAT. II, III, IV



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PART 1 GENERAL

1.1 SCOPE

- A. This section includes specifications for furnishing and installing Flexible single-wall positive pressure venting system”

FasNSeal

When installing FasNSeal® of 5” diameter or greater, any enclosures must be of non-combustible materials! Never install FasNSeal® on an appliance that is not listed for use with a Special Gas Vent or Type BH vent. FasNSeal® shall not be routed into, through, or within any vent, such as an existing masonry or factory-built chimney, that is connected to another appliance. Do not install insulation in any required clearance space around FasNSeal®.

FasNSeal W2

FasNSeal W2 must be installed by an experienced professional familiar with the operation and maintenance of heating appliances and venting. Before installing this product, examine all components for possible shipping damage and read the complete installation manual. Failure to follow proper installation procedures, including vent pitch and improper appliance connections may cause unsafe conditions. When venting Category II, III, or IV appliances, FasNSeal W2 must be used for the entire length of the system. Do not mix pipe, fittings, or joining methods from different manufacturers. The venting system must be free to expand and contract and must be supported in accordance with these instructions.

FasNSeal Flex

When installing FasNSeal Flex the direction of exhaust flow is away from the appliance. There is an arrow printed on each section of liner and components that will point in the direction of the exhaust gas. The flex liner must be installed from the top of the masonry chimney and must stay within the masonry chimney; however the Elbow or other FasNSeal components will extend beyond the masonry chimney. It is strongly recommended to use either a Universal Condensate Drain or Tee with Condensate Fitting right off the Male Adapter coming out of the chimney.

1.2 SUBMITTALS

Submit the following in accordance with Section _____:

- A. Catalog cuts

FasNSeal and FasNSeal W2

All FasNSeal (single-wall) and FasNSeal W2 (double-wall) vent lengths and components feature patented built-in mechanical locking band and triple-lipped



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directional gaskets. All pipes and components are engineered with smooth welds located 90° from mechanical locking bands. This construction feature for ease of installation. The ½" air space between the inner and outer wall FasNSeal W2 helps to reduce the clearance to combustibles in addition to heat shield for additional safety.

All FasNSeal components which come in contact with exhaust gases and condensates are now silicone free. This important design and manufacturing feature greatly reduces the chances of system breakdown and failure. The main problems with silicone are there are too many adhesion factors which are very difficult to control and the process of binding similar materials with an epoxy, which can weaken the bond over time. Welded seams ensure a leak-free product that is meant to last.

FasNSeal Flex

Made from AL29-4C stainless steel. Corrosion resistant. Manufactured with a sure-seal locking seam for superior strength and flexibility. The smooth inner wall optimizes gas flow, minimizes back pressure, and facilitates condensate management. Only flexible chimney liner listed to UL 1738 standard.

- B. Sizing Calculations
 - a. Please see attached installation instructions
- C. Installation Drawings
 - a. Please see attached installation instructions
- D. Installation Instructions
 - a. Please see attached installation instructions
- E. Sample Warranty
 - a. Please see attached installation instructions

1.3 QUALITY ASSURANCE

A. APPLICABLE STANDARDS

All products furnished under this section shall conform to the requirements of the National Fuel Gas Code, NFPA-54, where applicable and shall comply with and be UL listed to UL1738, Standard for Venting Systems for Gas-Burning Appliances, Category II, III, and IV.

B. WARRANTY

Manufacturer shall provide the following warranties for this product: One Hundred Percent (100%) of the purchase price or MSRP at time of purchase, whichever is lower, for 15 years from the date of purchase, and Fifty Percent (50%) thereafter.



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PART 2 PRODUCTS

2.1 FLEXIBLE POSITIVE PRESSURE VENT

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- A. The vent shall be constructed of flexible single strip double layer AL29-4C, factory-built type for use on condensing appliances or pressurized venting systems serving Category II, III, or IV appliances.
- B. Maximum temperature shall not exceed 550° F
- C. Vent shall be constructed of AL29-4C® stainless steel.
- D. All supports, roof or wall penetrations, terminations, appliance connectors and drain fittings required to install the vent system shall be included.
- E. Vent shall terminate in accordance with installation instructions and local codes.

2.2 AVAILABLE MANUFACTURERS

- A. Vent shall be FasNSeal single wall, double wall and flex, as manufactured by M&G Duravent.

PART 3 EXECUTION

3.1 INSTALLATION

- A. Installation shall conform to the manufacturer's installation instructions, UL listing, and state or local codes.
- B. Coordinate installation of dampers or fans as required. Dampers or fans shall be supported independently from the vent sections.
- C. *FasNSeal Flex can only be used in vertical or near vertical runs of the system. For horizontal runs use rigid FasNSeal venting components and fittings.
- D. The UL listing for this product is void if components other than those supplied as Listed Components are used. All warranties, stated or implied, are void if this product and the appliances to which it is connected are not installed in accordance with their respective instructions and local code requirements. After the installation, check the entire system to make sure all joints are secure and sealed correctly. The seams and joints must be checked for gas tightness

when using the venting system with Category II, III or IV ap
DuraVent recommends that the entire system be checked by
qualified inspector at least once annually following initial in



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M&G DuraVent's Double-Wall Special



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FasNSeal W2 3"-24" Commercial Venting

Sets the standard yet again as the first
AL 29-4C Double Wall Vent System
with a built-in gasket, a mechanical locking
band and featuring a full 1/2" air space for
superior performance.

DuraVent
Member of & M&G Group



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Material Selection and Design

The **FasNSeal®W2 Double+Wall Special Gas Vent System** under the most stringent quality control measures utilizing production technology and know-how. FasNSeal®W2 is ideal for exhausting high efficiency, natural gas or propane fired heating appliances where low flue gas temperatures can result in significant condensation within the vent system.

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The flue gas conduit (inner tube) is made from AL29-4C, 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 confirmed 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". AL29-4C is a registered trademark of Allegheny Ludlum Corp.

The Jacket (outer tube) is manufactured from type 304 or type 430 stainless steel to provide long lasting performance and stability inside a building or when exposed to the outdoors.

The air space between the flue gas conduit and jacket is **.5 inches**, providing close clearances to combustibles, reasonable outside dimensions and an additional heat shield or margin of safety where needed.

FasNSeal®W2 has been tested and is listed by Underwriters Laboratories, Inc.* to UL 1738 and ULC-S636-95 safety standards. When installed according to DuraVent's installation instructions, FasNSeal®W2 meets all test requirements for horizontal and vertical; interior or exterior installations.

FasNSeal®W2 Is Built For Performance

Proven in our single wall system since 1997, all FasNSeal® products feature a smooth weld seam inside and out that 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®W2 Applications

FasNSeal®W2 is a Special Gas Vent and Gas Vent Connector, 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 maximum operating temperature of 480 degrees F and maximum **rated positive pressure of 6" water column** (tested at 15" water column!). FasNSeal®W2 provides venting for high efficiency gas boilers, furnaces, booster heaters, pool heaters, water heaters, unit heaters or tankless water heaters and is available in 3" -10", 12", 14", 16", 18", 20", 22" and 24" nominal flue gas conduit diameters. FasNSeal®W2 may also be used as a vent for Category I, natural gas or propane-fired heaters. (See installation instructions for details). FasNSeal®W2 must be sized according to the heating appliance manufacturer's instructions, NFPA 211, NFPA 54, The National Fuel Gas Code ANSI Z223.1 and any other relevant local building codes and regulations (see installation instructions for details!).

FasNSeal®W2 Features Built-in Gaskets And Mechanical Locking Bands

The flue gas conduit of every vent length and component (inner tube) features a built-in gasket in its female-end to seal each joint. An integrated mechanical

*Sizes 3"-16" are UL Listed.

| 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) |



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locking band is factory-built into the jacket (outer tube) of each vent length and component (Pat #6,026,803 addtl. Patents pending). FasNSeal®W2 parts are simply pushed together until fully seated. This renders the joints air and water-tight. By tightening their integrated mechanical locking band, parts are fastened together in seconds. FasNSeal®W2 can be taken apart and reassembled in minutes, making inspection, maintenance or re-routing of FasNSeal®W2 systems a breeze. **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 4" to 12" of vertical adjustment, making pitching FasNSeal®W2 to properly drain condensate simple. Connecting FasNSeal®W2 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®W2 installation, as no cure time or cleanup is required. **DuraVent 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.

| FasNSeal W2 | | | | | |
|------------------------------|-------|-------|----|----|----|
| Rated Operating Temperatures | Horiz | | | | |
| | | 300°F | : | | |
| 3" - 4" | 400°F | € | | | |
| | 480°F | € | | | |
| 5" - 16" | 300°F | 3" | 1" | 1" | 1" |
| | 400°F | 6" | 1" | 3" | 1" |
| | 480°F | 6" | 6" | 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

FasNSeal®W2 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.

| 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 | |

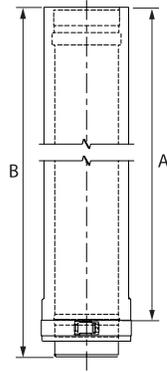




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Vent Length



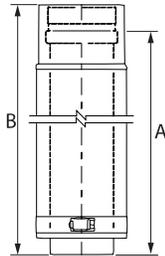
Used for venting special gas burning Categories appliances. To calculate O.D. add 1" to vent diam

| SIZE | ORDER # | STOCK # | A | B | SIZE | ORDER # | STOCK # | A | B |
|------|---------|---------|-----|-----|------|---------|---------|-----|-----|
| 3" | W2-603 | 100001 | 4" | 6" | 10" | W2-2410 | | | |
| 3" | W2-1203 | 100015 | 10" | 12" | 10" | W2-3610 | | | |
| 3" | W2-1803 | 100045 | 16" | 18" | 12" | W2-612 | | | |
| 3" | W2-2403 | 100060 | 22" | 24" | 12" | W2-1212 | 100023 | 10" | 12" |
| 3" | W2-3603 | 100075 | 34" | 36" | 12" | W2-1812 | 100053 | 16" | 18" |
| 4" | W2-604 | 100002 | 4" | 6" | 12" | W2-2412 | 100068 | 22" | 24" |
| 4" | W2-1204 | 100016 | 10" | 12" | 12" | W2-3612 | 100083 | 34" | 36" |
| 4" | W2-1804 | 100046 | 16" | 18" | 14" | W2-614 | 100010 | 4" | 6" |
| 4" | W2-2404 | 100061 | 22" | 24" | 14" | W2-1214 | 100024 | 10" | 12" |
| 4" | W2-3604 | 100076 | 34" | 36" | 14" | W2-1814 | 100054 | 16" | 18" |
| 5" | W2-605 | 100003 | 4" | 6" | 14" | W2-2414 | 100069 | 22" | 24" |
| 5" | W2-1205 | 100017 | 10" | 12" | 14" | W2-3614 | 100084 | 34" | 36" |
| 5" | W2-1805 | 100047 | 16" | 18" | 16" | W2-616 | 100011 | 4" | 6" |
| 5" | W2-2405 | 100062 | 22" | 24" | 16" | W2-1216 | 100025 | 10" | 12" |
| 5" | W2-3605 | 100077 | 3" | 36" | 16" | W2-1816 | 100055 | 16" | 18" |
| 6" | W2-606 | 100004 | 4" | 6" | 16" | W2-2416 | 100070 | 22" | 24" |
| 6" | W2-1206 | 100018 | 10" | 12" | 16" | W2-3616 | 100085 | 34" | 36" |
| 6" | W2-1806 | 100048 | 16" | 18" | 18" | W2-618 | 103905 | 4" | 6" |
| 6" | W2-2406 | 100063 | 22" | 24" | 18" | W2-1218 | 103909 | 10" | 12" |
| 6" | W2-3606 | 100078 | 34" | 36" | 18" | W2-1818 | 103913 | 16" | 18" |
| 7" | W2-607 | 100005 | 4" | 6" | 18" | W2-2418 | 103917 | 22" | 24" |
| 7" | W2-1207 | 100019 | 10" | 12" | 18" | W2-3618 | 103921 | 34" | 36" |
| 7" | W2-1807 | 100049 | 16" | 18" | 20" | W2-620 | 103906 | 4" | 6" |
| 7" | W2-2407 | 100064 | 22" | 24" | 20" | W2-1220 | 103910 | 10" | 12" |
| 7" | W2-3607 | 100079 | 34" | 36" | 20" | W2-1820 | 103914 | 16" | 18" |
| 8" | W2-608 | 100006 | 4" | 6" | 20" | W2-2420 | 103918 | 22" | 24" |
| 8" | W2-1208 | 100020 | 10" | 12" | 20" | W2-3620 | 103922 | 34" | 36" |
| 8" | W2-1808 | 100050 | 16" | 18" | 22" | W2-622 | 103907 | 4" | 6" |
| 8" | W2-2408 | 100065 | 22" | 24" | 22" | W2-1222 | 103911 | 10" | 12" |
| 8" | W2-3608 | 100080 | 34" | 36" | 22" | W2-1822 | 103915 | 16" | 18" |
| 9" | W2-609 | 100007 | 4" | 6" | 22" | W2-2422 | 103919 | 22" | 24" |
| 9" | W2-1209 | 100021 | 10" | 12" | 22" | W2-3622 | 103923 | 34" | 36" |
| 9" | W2-1809 | 100051 | 16" | 18" | 24" | W2-624 | 103908 | 4" | 6" |
| 9" | W2-2409 | 100066 | 22" | 24" | 24" | W2-1224 | 103912 | 10" | 12" |
| 9" | W2-3609 | 100081 | 34" | 36" | 24" | W2-1824 | 103916 | 16" | 18" |
| 10" | W2-610 | 100008 | 4" | 6" | 24" | W2-2424 | 103920 | 22" | 24" |
| 10" | W2-1210 | 100022 | 10" | 12" | 24" | W2-3624 | 103924 | 34" | 36" |
| 10" | W2-1810 | 100052 | 16" | 18" | | | | | |



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Adjustable Vent Length

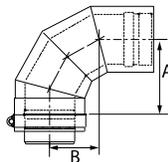


Use to add variable length to your straight length pipe. Adds 2"-14" of length. Requires at least 4" c secure connection.

| SIZE | ORDER # | STOCK # | A | B | SIZE | ORDER # | STOCK # | A | B |
|------|----------|---------|--------|-----|------|----------|---------|--------|-----|
| 3" | W2-AVL3 | 100250 | 2"-14" | 18" | 12" | W2-AVL12 | | | |
| 4" | W2-AVL4 | 100251 | 2"-14" | 18" | 14" | W2-AVL14 | | | |
| 5" | W2-AVL5 | 100252 | 2"-14" | 18" | 16" | W2-AVL16 | 100260 | 2"-14" | 18" |
| 6" | W2-AVL6 | 100253 | 2"-14" | 18" | 18" | W2-AVL18 | 103937 | 2"-14" | 18" |
| 7" | W2-AVL7 | 100254 | 2"-14" | 18" | 20" | W2-AVL20 | 103938 | 2"-14" | 18" |
| 8" | W2-AVL8 | 100255 | 2"-14" | 18" | 22" | W2-AVL22 | 103939 | 2"-14" | 18" |
| 9" | W2-AVL9 | 100256 | 2"-14" | 18" | 24" | W2-AVL24 | 103940 | 2"-14" | 18" |
| 10" | W2-AVL10 | 100257 | 2"-14" | 18" | | | | | |

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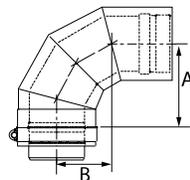
90° Elbow



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" | W2-9003 | 100160 | 3 9/10" | 5 9/10" | 12" | W2-9012 | 100168 | 8 3/5" | 10 2/5" |
| 4" | W2-9004 | 100161 | 4 3/5" | 6 2/5" | 14" | W2-9014 | 100169 | 9 2/5" | 11 3/5" |
| 5" | W2-9005 | 100162 | 4 9/10" | 6 9/10" | 16" | W2-9016 | 100170 | 10 1/10" | 12 3/5" |
| 6" | W2-9006 | 100163 | 5 3/5" | 7 2/5" | 18" | W2-9018 | 103929 | 11 5/12" | 13 4/11" |
| 7" | W2-9007 | 100164 | 5 9/10" | 7 9/10" | 20" | W2-9020 | 103930 | 12 5/12" | 14 4/11" |
| 8" | W2-9008 | 100165 | 6 3/5" | 8 3/5" | 22" | W2-9022 | 103931 | 13 5/12" | 15 4/11" |
| 9" | W2-9009 | 100166 | 6 9/10" | 8 9/10" | 24" | W2-9024 | 103932 | 14 5/12" | 16 4/11" |
| 10" | W2-9010 | 100167 | 7 3/5" | 9 3/5" | | | | | |

88° Elbow



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

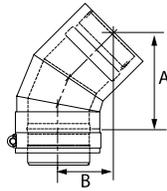
| SIZE | ORDER # | STOCK # | A | B | SIZE | ORDER # | STOCK # | A | B |
|------|---------|---------|---------|---------|------|---------|---------|----------|----------|
| 3" | W2-8803 | 103890 | 3 9/10" | 5 9/10" | 12" | W2-8812 | 103898 | 8 3/5" | 10 2/5" |
| 4" | W2-8804 | 103891 | 4 3/5" | 6 2/5" | 14" | W2-8814 | 103899 | 9 2/5" | 11 3/5" |
| 5" | W2-8805 | 103892 | 4 9/10" | 6 9/10" | 16" | W2-8816 | 103900 | 10 1/10" | 12 3/5" |
| 6" | W2-8806 | 103893 | 5 3/5" | 7 2/5" | 18" | W2-8818 | 103901 | 11 5/12" | 13 4/11" |
| 7" | W2-8807 | 103894 | 5 9/10" | 7 9/10" | 20" | W2-8820 | 103902 | 12 5/12" | 14 4/11" |
| 8" | W2-8808 | 103895 | 6 3/5" | 8 3/5" | 22" | W2-8822 | 103903 | 13 5/12" | 15 4/11" |
| 9" | W2-8809 | 103896 | 6 9/10" | 8 9/10" | 24" | W2-8824 | 103904 | 14 5/12" | 16 4/11" |
| 10" | W2-8810 | 103897 | 7 3/5" | 9 3/5" | | | | | |



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45° Elbow

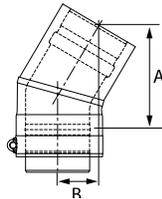


Offsets obstructions as needed. Allows for better management and less back pressure.

| SIZE | ORDER # | STOCK # | A | B |
|------|---------|---------|---------|---------|
| 3" | W2-4503 | 100130 | 5 1/5" | 3" |
| 4" | W2-4504 | 100131 | 5 3/5" | 3 1/10" |
| 5" | W2-4505 | 100132 | 6" | 3 1/5" |
| 6" | W2-4506 | 100133 | 6 3/10" | 3 3/5" |
| 7" | W2-4507 | 100134 | 6 7/10" | 3 1/2" |
| 8" | W2-4508 | 100135 | 7" | 3 7/10" |
| 9" | W2-4509 | 100136 | 7 3/5" | 3 4/5" |
| 10" | W2-4510 | 100137 | 7 7/10" | 4" |

| SIZE | ORDER # | STOCK # | A | B |
|------|---------|---------|----------|---------|
| 12" | W2-4512 | | | |
| 14" | W2-4514 | | | |
| 16" | W2-4516 | | | |
| 18" | W2-4518 | 103925 | 11 5/12" | 7 7/10" |
| 20" | W2-4520 | 103926 | 12 | 8 1/5" |
| 22" | W2-4522 | 103927 | 13 | 8 7/10" |
| 24" | W2-4524 | 103928 | 14" | 9 1/5" |

30° Elbow

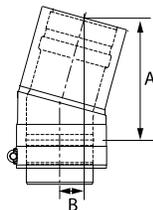


Offsets obstructions as needed. Allows for better condensate management and less back pressure.

| SIZE | ORDER # | STOCK # | A | B |
|------|---------|---------|---------|---------|
| 3" | W2-3003 | 100650 | 4 9/10" | 1 4/5" |
| 4" | W2-3004 | 100651 | 5 1/5" | 1 9/10" |
| 5" | W2-3005 | 100652 | 5 3/5" | 2" |
| 6" | W2-3006 | 100653 | 5 7/10" | 2" |
| 7" | W2-3007 | 100654 | 5 9/10" | 2 1/10" |
| 8" | W2-3008 | 100655 | 6 1/10" | 2 1/5" |

| SIZE | ORDER # | STOCK # | A | B |
|------|---------|---------|---------|---------|
| 9" | W2-3009 | 100656 | 6 3/5" | 2 1/5" |
| 10" | W2-3010 | 100657 | 6 7/10" | 2 3/10" |
| 12" | W2-3012 | 100658 | 7 1/5" | 2 3/5" |
| 14" | W2-3014 | 100659 | 7 7/10" | 2 3/5" |
| 16" | W2-3016 | 100660 | 8 1/5" | 2 7/10" |

15° Elbow



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

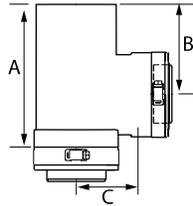
| SIZE | ORDER # | STOCK # | A | B |
|------|---------|---------|---------|---------|
| 3" | W2-1503 | 100239 | 4 9/10" | 1 4/5" |
| 4" | W2-1504 | 100240 | 5 1/5" | 1 9/10" |
| 5" | W2-1505 | 100241 | 5 3/5" | 2" |
| 6" | W2-1506 | 100242 | 5 7/10" | 2" |
| 7" | W2-1507 | 100243 | 5 9/10" | 2 1/10" |
| 8" | W2-1508 | 100244 | 6 1/10" | 2 1/5" |

| SIZE | ORDER # | STOCK # | A | B |
|------|---------|---------|---------|---------|
| 9" | W2-1509 | 100245 | 6 3/5" | 2 1/5" |
| 10" | W2-1510 | 100246 | 6 7/10" | 2 3/10" |
| 12" | W2-1512 | 100247 | 7 1/5" | 2 3/5" |
| 14" | W2-1514 | 100248 | 7 7/10" | 2 3/5" |
| 16" | W2-1516 | 100249 | 8 1/5" | 2 7/10" |



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Standard Tee



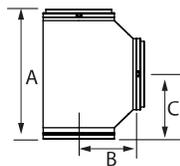
Use for a 90° offset, to combine connections from appliances into a common vent or as a condensate point when used in conjunction with drain fittings. Tees have completely welded inner walls.

| SIZE | ORDER # | STOCK # | A | B | C |
|------|---------|---------|----------|---------|--------|
| 3" | W2-T3 | 100175 | 7 3/10" | 4 1/2" | 3" |
| 4" | W2-T4 | 100176 | 8 3/10" | 4 4/5" | 3 1/2" |
| 5" | W2-T5 | 100177 | 9 3/10" | 5 3/10" | 4" |
| 6" | W2-T6 | 100178 | 10 3/10" | 5 4/5" | 4 1/2" |
| 7" | W2-T7 | 100179 | 11 3/10" | 6 3/10" | 5" |
| 8" | W2-T8 | 100180 | 12 3/10" | 6 4/5" | 5 1/2" |
| 9" | W2-T9 | 100181 | 13 3/10" | 7 3/10" | 6" |
| 10" | W2-T10 | 100182 | 14 3/10" | 7 4/5" | 6 1/2" |

| SIZE | ORDER # | STOCK # | A | B | C |
|------|---------|---------|----------|---------|--------|
| 12" | W2-T12 | 100184 | 20 3/10" | 11" | 8 1/2" |
| 14" | W2-T14 | 100184 | 20 3/10" | 11" | 8 1/2" |
| 16" | W2-T16 | 100185 | 22 3/10" | 12" | 9 1/2" |
| 18" | W2-T18 | 103933 | 22 7/8" | 12 1/2" | 11" |
| 20" | W2-T20 | 103934 | 24 7/8" | 13 1/2" | 12" |
| 22" | W2-T22 | 103935 | 26 7/8" | 14 1/2" | 13" |
| 24" | W2-T24 | 103936 | 28 7/8" | 15 1/2" | 14" |

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Wide Mouth Boot Tee

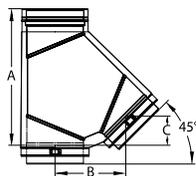


Use to transition from horizontal to vertical with improved flue gas flow with angled gradual transitions. Can also be used as a manifold connection to gang boilers into a common vent. Completely welded inner walls.

| SIZE | ORDER # | A | B | C |
|------|----------|---------|--------|---------|
| 4" | W2-WBT4 | 15 3/4" | 7" | 6 9/10" |
| 5" | W2-WBT5 | 16 3/4" | 7 1/2" | 7 4/10" |
| 6" | W2-WBT6 | 17 3/4" | 8" | 7 9/10" |
| 7" | W2-WBT7 | 18 3/4" | 8 1/2" | 8 4/10" |
| 8" | W2-WBT8 | 19 3/4" | 9" | 8 9/10" |
| 9" | W2-WBT9 | 20 3/4" | 9 1/2" | 9 4/10" |
| 10" | W2-WBT10 | 21 3/4" | 10" | 9 9/10" |

| SIZE | ORDER # | A | B | C |
|------|----------|---------|-----|----------|
| 12" | W2-WBT12 | 23 3/4" | 11" | 10 9/10" |
| 14" | W2-WBT14 | 25 3/4" | 12" | 11 9/10" |
| 16" | W2-WBT16 | 27 3/4" | 13" | 12 9/10" |
| 18" | W2-WBT18 | 29 3/4" | 14" | 13 9/10" |
| 20" | W2-WBT20 | 31 3/4" | 15" | 14 9/10" |
| 22" | W2-WBT22 | 33 3/4" | 16" | 15 9/10" |
| 24" | W2-WBT24 | 35 3/4" | 17" | 16 9/10" |

Double-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.

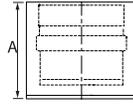
| SIZE | ORDER # | STOCK # | A | B | C |
|------|----------|---------|----------|----------|---------|
| 6" | W2-WYE06 | 103613 | 14 1/2" | 7 1/2" | 3 1/10" |
| 7" | W2-WYE07 | 103164 | 16 1/3" | 8 3/5" | 3 1/2" |
| 8" | W2-WYE08 | 103165 | 18" | 9 7/10" | 4" |
| 9" | W2-WYE09 | 103166 | 19 7/10" | 10 7/10" | 4 2/5" |
| 10" | W2-WYE10 | 103167 | 21 2/5" | 11 4/5" | 4 9/10" |
| 12" | W2-WYE12 | 103168 | 24 9/10" | 14" | 5 4/5" |
| 14" | W2-WYE14 | 103169 | 28 3/10" | 16 1/10" | 6 3/5" |



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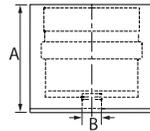
Tee Cap



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

| SIZE | ORDER # | STOCK # | A | SIZE | ORDER # | STOCK # | A |
|------|---------|---------|--------|------|---------|---------|--------|
| 3" | W2-TC3 | 100205 | 3 1/2" | 12" | W2-TC12 | 100207 | 3 1/2" |
| 4" | W2-TC4 | 100206 | 3 1/2" | 14" | W2-TC14 | 100208 | 3 1/2" |
| 5" | W2-TC5 | 100207 | 3 1/2" | 16" | W2-TC16 | 100209 | 3 1/2" |
| 6" | W2-TC6 | 100208 | 3 1/2" | 18" | W2-TC18 | 103941 | 3 1/2" |
| 7" | W2-TC7 | 100209 | 3 1/2" | 20" | W2-TC20 | 103942 | 3 1/2" |
| 8" | W2-TC8 | 100210 | 3 1/2" | 22" | W2-TC22 | 103943 | 3 1/2" |
| 9" | W2-TC9 | 100211 | 3 1/2" | 24" | W2-TC24 | 103944 | 3 1/2" |
| 10" | W2-TC10 | 100212 | 3 1/2" | | | | |

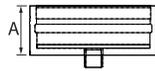
Drain Fitting



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 # | A | B |
|------|---------|---------|--------|------|
| 3" | W2-DF3 | 100220 | 3 1/2" | 5/8" |
| 4" | W2-DF4 | 100221 | 3 1/2" | 5/8" |
| 5" | W2-DF5 | 100222 | 3 1/2" | 5/8" |

IPS Drain Fitting



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

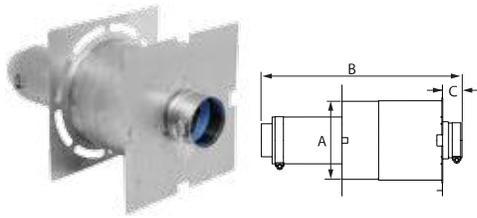
| SIZE | ORDER # | STOCK # | A | SIZE | ORDER # | STOCK # | A |
|------|-----------|---------|--------|------|-----------|---------|--------|
| 3" | W2-IPDF3 | 103815 | 3 1/2" | 12" | W2-IPDF12 | 103823 | 3 1/2" |
| 4" | W2-IPDF4 | 103816 | 3 1/2" | 14" | W2-IPDF14 | 103824 | 3 1/2" |
| 5" | W2-IPDF5 | 103817 | 3 1/2" | 16" | W2-IPDF16 | 103825 | 3 1/2" |
| 6" | W2-IPDF6 | 103818 | 3 1/2" | 18" | W2-IPDF18 | 103945 | 3 1/2" |
| 7" | W2-IPDF7 | 103819 | 3 1/2" | 20" | W2-IPDF20 | 103946 | 3 1/2" |
| 8" | W2-IPDF8 | 103820 | 3 1/2" | 22" | W2-IPDF22 | 103947 | 3 1/2" |
| 9" | W2-IPDF9 | 103821 | 3 1/2" | 24" | W2-IPDF24 | 103948 | 3 1/2" |
| 10" | W2-IPDF10 | 103822 | 3 1/2" | | | | |



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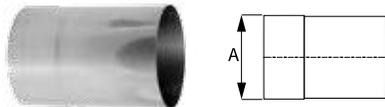
Wall Thimble w/AVL



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

| SIZE | ORDER # | STOCK # | A | B | C |
|------|---------|---------|-----|-----|--------|
| 3" | W2-WT3 | 100280 | 9" | 18" | 1 4/5" |
| 4" | W2-WT4 | 100281 | 10" | 18" | 1 4/5" |
| 5" | W2-WT5 | 100282 | 11" | 18" | 1 4/5" |
| 6" | W2-WT6 | 100283 | 12" | 18" | 1 4/5" |
| 7" | W2-WT7 | 100284 | 13" | 18" | 1 4/5" |
| 8" | W2-WT8 | 100285 | 14" | 18" | 1 4/5" |
| 9" | W2-WT9 | 100286 | 15" | 18" | 1 4/5" |
| 10" | W2-WT10 | 100287 | 16" | 18" | 1 4/5" |
| 12" | W2-WT12 | 100289 | 18" | 18" | 1 4/5" |
| 14" | W2-WT14 | 100290 | 20" | 18" | 1 4/5" |
| 16" | W2-WT16 | 100291 | 22" | 18" | 1 4/5" |

Wall Thimble Sleeve



When installing FasNSeal W2 with this component use 1" larger diameter, (e.g. 10" vent system, use 11" size).

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



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Support Clamp

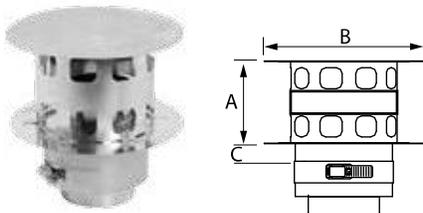


Use to support vertical and horizontal runs. Recc 10' in the vertical run. Use additional Support Cl When installing FasNSeal W2 with this compone diameter, (e.g. 10" vent system, use 11" size).

| SIZE | ORDER # | STOCK # | A | SIZE | ORDER # | STOCK # | A |
|------|---------|---------|--------|------|---------|---------|--------|
| 4" | FSCL4 | 300361 | 1 1/2" | 13" | FSCL13 | 300485 | 1 1/2" |
| 5" | FSCL5 | 300362 | 1 1/2" | 15" | FSCL15 | 300486 | 1 1/2" |
| 6" | FSCL6 | 300363 | 1 1/2" | 17" | FSCL17 | 300487 | 1 1/2" |
| 7" | FSCL7 | 300364 | 1 1/2" | 19" | FSCL19 | 304015 | 1 1/2" |
| 8" | FSCL8 | 300365 | 1 1/2" | 21" | FSCL21 | 304017 | 1 1/2" |
| 9" | FSCL9 | 300366 | 1 1/2" | 23" | FSCL23 | 304019 | 1 1/2" |
| 10" | FSCL10 | 300367 | 1 1/2" | 25" | FSCL25 | 304021 | 1 1/2" |
| 11" | FSCL11 | 300484 | 1 1/2" | | | | |

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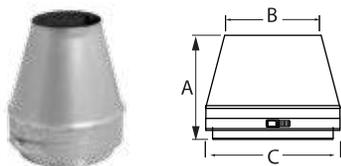
Rain Cap



Use where pipe terminates above the roof line. When terminating larger than 12" vent diameter use a Termination Cone.

| SIZE | ORDER # | STOCK # | A | B | C |
|------|---------|---------|--------|----------|----|
| 3" | W2-RC3 | 100325 | 3 1/2" | 6 4/5" | 1" |
| 4" | W2-RC4 | 100326 | 4 1/2" | 8 9/10" | 1" |
| 5" | W2-RC5 | 100327 | 5 4/5" | 11 3/10" | 1" |
| 6" | W2-RC6 | 100328 | 6 4/5" | 13 1/2" | 1" |
| 7" | W2-RC7 | 100329 | 7 4/5" | 15 4/5" | 1" |
| 8" | W2-RC8 | 100330 | 8 4/5" | 18" | 1" |
| 9" | W2-RC9 | 100331 | 10" | 20 3/10" | 1" |
| 10" | W2-RC10 | 100332 | 11" | 22 1/2" | 1" |
| 12" | W2-RC12 | 100333 | 13" | 27" | 1" |

Termination Cone



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.**

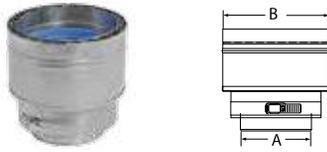
| SIZE | ORDER # | STOCK # | A | B | C |
|-----------|-----------|---------|-----|-----|--------|
| 8" x 6" | W2-CN0806 | 100618 | 8" | 6" | 6 3/5" |
| 14" x 12" | W2-CN1412 | 100622 | 14" | 12" | 6 3/5" |



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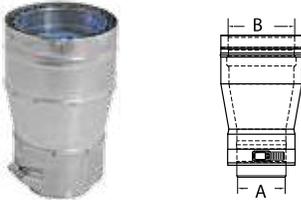
Stepped Inserter



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

| SIZE | ORDER # | STOCK # | A | B |
|---------|---------|---------|----|----|
| 4" x 5" | W2-45I | 100381 | 4" | 5" |
| 8" x 9" | W2-89I | 100401 | 8" | 9" |

Tapered Inserter



Use to increase vent diameter. Creates a smooth transition for an undisturbed flow. FasNSeal W2 has a 10" max change in diameter. **Available in custom size combinations.**

| SIZE | ORDER # | STOCK # | A | B |
|---------|-----------|---------|----|----|
| 3" x 4" | W2-0304TI | 100407 | 3" | 4" |
| 3" x 6" | W2-0306TI | 100406 | 3" | 6" |

Eccentric Inserter



Use to transition to a larger diameter pipe. Adjusts the system's center point to offset from obstructions. Aids in reducing formation of condensates on horizontal runs. FasNSeal W2 has a 10" max change in diameter. **Available in custom size combinations.**

| SIZE | ORDER # | STOCK # | A | B |
|----------|-----------|---------|----|-----|
| 8" x 10" | W2-0810EI | 100439 | 8" | 10" |

Stepped Reducer



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

| SIZE | ORDER # | STOCK # | A | B |
|-----------|----------|---------|-----|-----|
| 7" x 5" | W2-75R | 100638 | 7" | 5" |
| 12" x 10" | W2-1210R | 100403 | 12" | 10" |

Tapered Reducer



Use to reduce vent diameter. Creates a smooth transition for an undisturbed flow. FasNSeal W2 has a 10" max change in diameter. **Available in custom size combinations.**

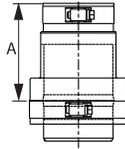
| SIZE | ORDER # | STOCK # | A | B |
|----------|-----------|---------|-----|----|
| 8" x 7" | W2-0807TR | 100395 | 8" | 7" |
| 10" x 7" | W2-1007TR | 100369 | 10" | 7" |



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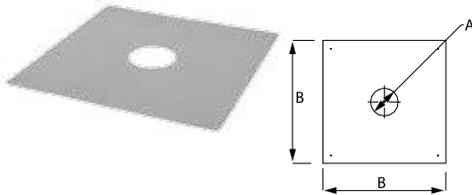
Single-Wall Adapter



Use to transition from double-wall pipe to single

| SIZE | ORDER # | STOCK # | A | SIZE | ORDER # | STOCK # | A |
|------|-----------|---------|----|------|------------|---------|----|
| 3" | FSA-DWSW3 | 400193 | 4" | 9" | FSA-DWSW9 | | |
| 4" | FSA-DWSW4 | 100194 | 4" | 10" | FSA-DWSW10 | | |
| 5" | FSA-DWSW5 | 100195 | 4" | 12" | FSA-DWSW12 | | |
| 6" | FSA-DWSW6 | 100196 | 4" | 14" | FSA-DWSW14 | | |
| 7" | FSA-DWSW7 | 100197 | 4" | 16" | FSA-DWSW16 | 100203 | 4" |
| 8" | FSA-DWSW8 | 100198 | 4" | | | | |

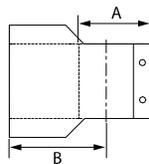
Firestop/Flat Flashing



Use when penetrating floor levels. When installing double-wall with this component use 1" larger diameter, (e.g. 10" vent system, use 11" size).

| SIZE | ORDER # | STOCK # | A | B | SIZE | ORDER # | STOCK # | A | B |
|------|---------|---------|---------|-----|------|---------|---------|---------|-----|
| 4" | FSFS4 | 300296 | 4 1/4" | 15" | 15" | FSFS15 | 300482 | 15 3/5" | 28" |
| 5" | FSFS5 | 300297 | 5 3/5" | 17" | 16" | FSFS16 | 300324 | 16 3/5" | 28" |
| 6" | FSFS6 | 300298 | 6 3/5" | 17" | 17" | FSFS17 | 300483 | 17 3/5" | 30" |
| 7" | FSFS7 | 300299 | 7 3/5" | 19" | 18" | FSFS18 | 303981 | 18 3/5" | 30" |
| 8" | FSFS8 | 300300 | 8 3/5" | 19" | 19" | FSFS19 | 300982 | 19 3/5" | 32" |
| 9" | FSFS9 | 300301 | 9 3/5" | 22" | 20" | FSFS20 | 303983 | 20 3/5" | 32" |
| 10" | FSFS10 | 300302 | 10 3/5" | 22" | 21" | FSFS21 | 3009848 | 21 3/5" | 34" |
| 11" | FSFS11 | 300480 | 11 3/5" | 24" | 22" | FSFS22 | 303985 | 22 3/5" | 34" |
| 12" | FSFS12 | 300322 | 12 3/5" | 24" | 23" | FSFS23 | 300986 | 23 3/5" | 36" |
| 13" | FSFS13 | 300481 | 13 3/5" | 26" | 24" | FSFS24 | 303988 | 24 3/5" | 36" |
| 14" | FSFS14 | 300323 | 14 3/5" | 26" | | | | | |

Wall Bracket



Use to support vent pipe or tee sections. Provides proper clearance to combustibles. When installing FasNSeal W2 with this component use 1" larger diameter, (e.g. 10" vent system, use 11" size).

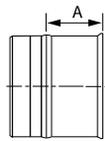
| SIZE | ORDER # | STOCK # | A | B | SIZE | ORDER # | STOCK # | A | B |
|------|---------|---------|-----|--------|------|---------|---------|-----|---------|
| 4" | FSWB4 | 300431 | 4" | 4" | 11" | FSWB11 | 300492 | 11" | 7 1/2" |
| 5" | FSWB5 | 300432 | 5" | 4 1/2" | 12" | FSWB12 | 300438 | 12" | 8" |
| 6" | FSWB6 | 300433 | 6" | 5" | 13" | FSWB13 | 300493 | 13" | 8 1/2" |
| 7" | FSWB7 | 300434 | 7" | 5 1/2" | 14" | FSWB14 | 300439 | 14" | 9" |
| 8" | FSWB8 | 300435 | 8" | 6" | 15" | FSWB15 | 300494 | 15" | 9 1/2" |
| 9" | FSWB9 | 300436 | 9" | 6 1/2" | 16" | FSWB16 | 300440 | 16" | 10" |
| 10" | FSWB10 | 300437 | 10" | 7" | 17" | FSWB17 | 300495 | 17" | 10 1/2" |



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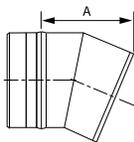
Bird Screen



Use for 3" and 4" standard through-the-wall termi installation instructions for restrictions on horizon such as minimum distance from windows and do

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

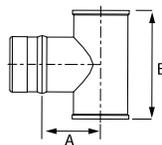
23° Bird Screen



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 3/5" |
| 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.

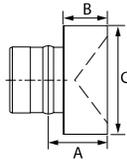
| SIZE | ORDER # | STOCK # | A | B |
|------|---------|---------|--------|----|
| 3" | FSTT3 | 300311 | 3" | 6" |
| 4" | FSTT4 | 300312 | 3 1/2" | 7" |
| 5" | FSTT5 | 300313 | 4" | 8" |
| 6" | FSTT6 | 300314 | 4 1/2" | 9" |



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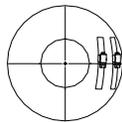
Termination Box



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

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

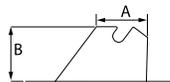
Storm Collar



Use to create a weather tight seal between the pipe and flashing. When installing FasNSeal W2 with this component use 1" larger diameter, (e.g. 10" vent system, use 11" size).

| SIZE | ORDER # | STOCK # | SIZE | ORDER # | STOCK # |
|------|---------|---------|------|---------|---------|
| 4" | FSC4 | 300945 | 13" | FSC13 | 300971 |
| 5" | FSC5 | 300946 | 15" | FSC15 | 300486 |
| 6" | FSC6 | 300947 | 17" | FSC17 | 300973 |
| 7" | FSC7 | 300948 | 19" | FSC19 | 303992 |
| 8" | FSC8 | 300949 | 21" | FSC21 | 303994 |
| 9" | FSC9 | 300950 | 23" | FSC23 | 303996 |
| 10" | FSC10 | 300952 | 25" | FSC25 | 303998 |
| 11" | FSC11 | 300970 | | | |

Variable Pitch Roof Flashing



Use to create a weather-tight penetration where the vent pipe passes through the roof. Storm Collar required. When ordering Flashings for FasNSeal W2 product the flashing diameter and vent diameter are the same. ie. W2-3610 requires a FSVPF10. Accommodates flat to 9/12 roof pitch.

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



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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 |
| Minute Man II | | FSA-HFB3 b | FSA-PV3 |

| | | | |
|---------------------|-----------------------------|-------------------------------|-----------------------|
| Burnham | Revolution | FSA-HFB: | |
| | Revolution II | FSA-HFB: | |
| | Series 2PV | FSA-HFB: | |
| | Spirit | FSA-HFB: | |
| | PVG/SCG Series | FSA-HFB: | |
| | 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 |



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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* |
| Futera II Series | | FSA-HFAX *updated* | |
| Futera 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 | |
| | T-K1 | FSAAU4 | |
| | T-K2 | FSAAU4 | |
| | T-K3 | FSAAU4 | |
| | T-K1S | FSAAU4 | |
| | T-K Jr. | FSAAU4 | |
| | 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 | FSA-LMGDTERM4 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-RIFS/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-GVTTEE3 | |
| | GV GOLD Series 4 | FSA-WEIL-GVTTEE3 | |
| 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.



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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-me system, we offer our Green Vent Poly P commercial installations in 5", 6" and 8' Listed to ULC-S636 and featuring engir terminations, quick easy assembly and well as an environmentally friendly ma best product available when plastics ai

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Tools

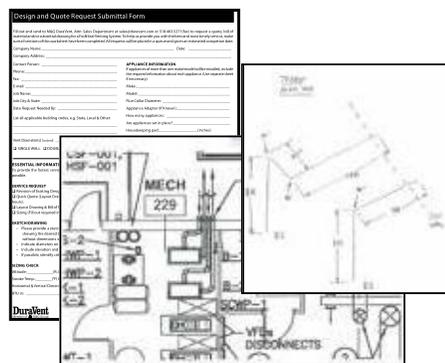
We provide expert sizing for your systems using proprietary tools compliant with ASHRAE standards and the EN14483 standard. Using a quick sketch layout tool we provide a layout drawing and product detail to support your quote. Where you need further detail, we provide full detailed 3D layouts to support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

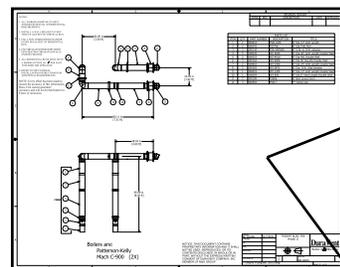
M&G DuraVent
Technical and Engineering Support
800-766-3471
FAX 518-463-5271
engineering@duravent.com

Start



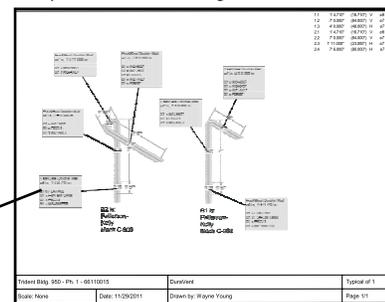
Submit the design submittal sheet and either a mechanical drawing OR a hand sketch of the mechanical drawing

Finish



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

Computer Aided Vent Diagram



| Project No: | | Project Name: | | | | | |
|------------------|------------|--------------------------------|---|--------|--------|---|--------|
| 03856 | 11/29/2011 | Tridell Bldg. 950 - Ph. 1 | N. Charleston, SC | | | | |
| System No: | | Location: | | | | | |
| 03856 | 11/29/2011 | N. Charleston, SC | | | | | |
| Date: | | Layout Title: | | | | | |
| 11/29/2011 | | 66110015 | | | | | |
| Order of Install | | | | | | | |
| Section | Qty | Item No | Description | Weight | | | |
| 1.1 | 1 | FSA-P48 | FanExite Double Wall - (1.470 (16.71) length, 8" diameter | 1.6 | | | |
| 1.1 | 1 | FSA-P48-2000 | 8" Dia Adapter P. Match Flange | 0.0 | | | |
| 1.1 | 1 | FSC-8 | 8" Dia Support Clamp | 1.1 | | | |
| 1.1 | 1 | W2-08070 | 8" Dia 90° Tee - Flange-Reducer-W2 | 8.0 | | | |
| 1.2 | 2 | W2-3807 | FanExite Double Wall - (7'0 (84.00) length, 7" diameter | 11.2 | | | |
| 1.2 | 1 | FSC-8 | 8" Dia Tee - Length Double Wall | 1.0 | | | |
| 1.2 | 1 | W2-4117 | 8" Dia Tee - Length Double Wall | 4.8 | | | |
| 1.3 | 1 | W2-0907 | FanExite Double Wall - (1.500 (18.00) length, 7" diameter | 6.4 | | | |
| 1.3 | 1 | W2-3807 | 7" Dia 90 Deg El. Double Wall | 8.4 | | | |
| 1.3 | 1 | W2-4117 | 7" Dia Tee - Length Double Wall | 4.8 | | | |
| 1.3 | 1 | FSC-8 | 8" Dia Tee - Length Double Wall | 1.0 | | | |
| 1.3 | 1 | W2-0917 | 7" Dia 90° Tee - Double Wall | 8.7 | | | |
| 1.3 | 1 | FSA-P48 | FanExite Double Wall - (1.470 (16.71) length, 8" diameter | 1.6 | | | |
| 1.3 | 1 | FSA-P48 | 8" Dia Adapter P. Match Flange | 0.0 | | | |
| Quote | | | | | | | |
| Project No: | System No: | Project Name: | Location: | | | | |
| 03856 | 11/29/2011 | Tridell Bldg. 950 - Ph. 1 | N. Charleston, SC | | | | |
| Date: | System No: | Layout Title: | | | | | |
| 11/29/2011 | 03856 | 66110015 | | | | | |
| Qty | Product No | Description | Weight | Min | Max | K | Net |
| 1 | 334462 | 8" Dia Adapter P. Match Flange | 1.6 | 28.12 | 198.24 | 1 | 199.24 |

Combined Bill of Materials



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FasNSeal W2

3"-24" Commercial Venting

Sets the standard yet again as the first **AL 29-4C Double Wall Vent System** with a built-in gasket, a mechanical locking band and featuring a full 1/2" air space for superior performance.

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.

· FasNSeal W2: W2, the double-wall FasNSeal, is an ideal choice for commercial applications where there exists low clearances to combustibles.

· Up to 24" 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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DuraVent

Member of M&G Group

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L1189 9/2012



Order of Install

Project No:
System No: 041730
Date: 8/14/2013

Project Name: 100 State St Job
Location:
Layout Title: 100 State St Job W/ Double Wall sta

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| Section | Qty | Item No | Description | Weight |
|---------|-----|-------------|--|--------|
| 1 | | | FasNSeal Single Wall - 1' 7.750 (19.75") length, 6" diameter: | |
| 1 | 1 | FSA-HFA6 | 6" Dia Heatfab To FNS Adapter | 0.8 |
| 1 | 1 | FS0607EI | 6" Dia To 7" Eccentric Increaser | 5.0 |
| 2 | | | FasNSeal Single Wall - 6' 0.000 (72.00") length, 7" diameter: | |
| 2 | 1 | FSWBT07 | Wide Mouth Boot Tee | 2.3 |
| 2 | 1 | FSIPSDF07 | 7" Dia IPS Drain Fitting | 1.1 |
| 2 | 1 | FSVL1207 | 7" Dia 12" Vent Length | 1.6 |
| 2 | 1 | FSVL3607 | 7" Dia 36" Vent Length | 4.4 |
| 2 | 1 | FSCL7 | 7" Dia Support Clamp | 0.9 |
| 2 | 1 | FSAVL7 | 7" Dia Adj Vent Length 18" Length | 2.4 |
| 3 | | | FasNSeal Single Wall - 5' 0.000 (60.00") length, 7" diameter: | |
| 3 | 1 | FSELB9007 | 90° Elbow | 2.1 |
| 3 | 1 | FSVL1207 | 7" Dia 12" Vent Length | 1.6 |
| 3 | 1 | FSAVL7 | 7" Dia Adj Vent Length 18" Length | 2.4 |
| 3 | 1 | FS0712EI | 7" Dia To 12" Eccentric Increaser | 5.0 |
| 4 | | | FasNSeal Single Wall - 1' 6.000 (18.00") length, 8" diameter: | |
| 4 | 1 | FSVL608 | 8" Dia 6" Vent Length | 1.2 |
| 4 | 1 | FSAVL8 | 8" Dia Adj Vent Length 18" Length | 3.1 |
| 5 | | | FasNSeal Single Wall - 6' 0.000 (72.00") length, 8" diameter: | |
| 5 | 1 | FSWBT8 | 8" Dia Wide Mouth Boot Tee | 3.3 |
| 5 | 1 | FSIPSDF08 | 8" Dia IPS Drain Fitting | 1.2 |
| 5 | 1 | FSVL2408 | 8" Dia 24" Vent Length | 4.1 |
| 5 | 1 | FSCL8 | 8" Dia Support Clamp | 1.0 |
| 5 | 1 | FSAVL8 | 8" Dia Adj Vent Length 18" Length | 3.1 |
| 5 | 1 | FS0812TI | 8" Dia To 12" Tapered Increaser | 5.0 |
| 6 | | | FasNSeal Single Wall - 4' 0.000 (48.00") length, 12" diameter: | |
| 6 | 1 | FSWBT12 | 12" Dia Wide Mouth Boot Tee | 5.8 |
| 6 | 1 | FSVL1812 | 12" Dia 18" Vent Length | 5.4 |
| 6 | 1 | FSAVL12 | 12" Dia Adj Vent Length 18" Length | 5.4 |
| 7 | | | FasNSeal Single Wall - 3' 0.000 (36.00") length, 12" diameter: | |
| 7 | 1 | FSELB9012 | 90° Elbow | 5.6 |
| 7 | 1 | FSVL612 | 12" Dia 6" Vent Length | 1.8 |
| 7 | 1 | FSAVL12 | 12" Dia Adj Vent Length 18" Length | 5.4 |
| 7 | 1 | FSA-SW DW12 | 12" Dia SW to W2 Adapter | 0.0 |
| 8 | | | FasNSeal Double Wall - 81' 4.100 (976.10") length, 12" diameter: | |
| 8 | 1 | W2-9012 | 90° Double Wall Elbow | 11.4 |
| 8 | 28 | W2-3612 | 12" Dia 36" Vent Length Double Wall | 20.0 |
| 8 | 1 | W2-612 | 12" Dia 6" Vent Length Double Wall | 3.2 |
| 8 | 7 | FSCL13 | 13" Dia Support Clamp | 1.4 |
| 8 | 1 | FSC13 | 13" Dia Storm Collar | 1.9 |
| 8 | 1 | W2-RC12 | 12" Dia Rain Cap Double Wall | 20.2 |



Reviewed for Code Compliance
 Inspections Division
 Approved with Conditions

Bill-of-Materials

Project No:
System No: 041730
Date: 8/14/2013
Product(s):

Project Name: 100 State St Job
Location:
Layout Title: 100 State St Job W/ Double Wall star
Customer: Sweeney Rogers - Roger

Date: 09/18/13

Layout Warnings:

 4 There is at least one starting point that does not have an item selected.

| Qty | Item No | Description | Weight |
|---------------------|-------------|-------------------------------------|--------|
| 1 | FSA-HFA6 | 6" Dia Heatfab To FNS Adapter | 0.8 |
| 1 | FS0607EI | 6" Dia To 7" Eccentric Increaser | 5.0 |
| 1 | FSWBT07 | Wide Mouth Boot Tee | 2.3 |
| 1 | FSIPSDF07 | 7" Dia IPS Drain Fitting | 1.1 |
| 2 | FSVL1207 | 7" Dia 12" Vent Length | 1.6 |
| 1 | FSVL3607 | 7" Dia 36" Vent Length | 4.4 |
| 1 | FSCL7 | 7" Dia Support Clamp | 0.9 |
| 2 | FAVL7 | 7" Dia Adj Vent Length 18" Length | 2.4 |
| 1 | FSELB9007 | 90° Elbow | 2.1 |
| 1 | FS0712EI | 7" Dia To 12" Eccentric Increaser | 5.0 |
| 1 | FSVL608 | 8" Dia 6" Vent Length | 1.2 |
| 2 | FAVL8 | 8" Dia Adj Vent Length 18" Length | 3.1 |
| 1 | FSWBT8 | 8" Dia Wide Mouth Boot Tee | 3.3 |
| 1 | FSIPSDF08 | 8" Dia IPS Drain Fitting | 1.2 |
| 1 | FSVL2408 | 8" Dia 24" Vent Length | 4.1 |
| 1 | FSCL8 | 8" Dia Support Clamp | 1.0 |
| 1 | FS0812TI | 8" Dia To 12" Tapered Increaser | 5.0 |
| 1 | FSWBT12 | 12" Dia Wide Mouth Boot Tee | 5.8 |
| 1 | FSVL1812 | 12" Dia 18" Vent Length | 5.4 |
| 2 | FAVL12 | 12" Dia Adj Vent Length 18" Length | 5.4 |
| 1 | FSELB9012 | 90° Elbow | 5.6 |
| 1 | FSVL612 | 12" Dia 6" Vent Length | 1.8 |
| 1 | FSA-SW DW12 | 12" Dia SW to W2 Adapter | 0.0 |
| 1 | W2-9012 | 90° Double Wall Elbow | 11.4 |
| 28 | W2-3612 | 12" Dia 36" Vent Length Double Wall | 20.0 |
| 1 | W2-612 | 12" Dia 6" Vent Length Double Wall | 3.2 |
| 7 | FSCL13 | 13" Dia Support Clamp | 1.4 |
| 1 | FSC13 | 13" Dia Storm Collar | 1.9 |
| 1 | W2-RC12 | 12" Dia Rain Cap Double Wall | 20.2 |
| Total Weight (Lbs): | | | 687.5 |



Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Date: 09/18/13

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