For the past 15 years X Vent Box has been innovating new standards in exhaust / intake duct termination for dryers, bathrooms, kitchen hood exhausts and fresh air makeup.

X Vent Box utilizes our multi-patented designs to eliminate the concerns of water intrusion, mold & mildew and helps reduce energy loss while improving exterior aesthetics.
**X Vent Box** family of products offer a wide array of orientations and duct port sizes. Uniquely designed for a variety of residential exhaust and intake applications, such as:

- **Dryer Exhaust**
- **Kitchen Hood Exhaust**
- **Bathroom Exhaust**
- **Fresh Air Make-up**
- **Exterior View**
- **Interior View**
GRAVITY DAMPERS

Gravity dampers are balanced and set at -2.5 degrees past vertical center to ensure a snug fit and eliminate the chance for damper flutter in high winds. Can be easily removed for inspection and maintenance.

100% NON CORROSIVE

Constructed from high temperature plastic polymers. Material approved for use on high temperature appliance devices or components. Sustainable Operational temperature at 234º (max operational temp. 259º)
ASTM E84
UL 723
UL-94 VO

EASY AND SECURE

Easy duct connection, tapered duct sleeve providing a tight fit.

Multiple mounting options provide easy installation on just about any substrate. Single step installation typical.

Outstanding durability, designed and tested to last, providing years of reliable service.

xventbox.com
REMOVABLE FRONT LOUVER

Front louver is easily removed for service/maintenance without damaging any weather tight seals. Louver is impact resistant. Louver blades are spaced to prevent any animal life from taking up residence, while allowing for proper ventilation. Dryer lint will not build up and prevent proper operation.

MONOLITHIC BOX CAVITY

Cavity box is constructed in one piece eliminating any seams which prevents any possibility for water intrusion. Outstanding structural strength for durability.

MODULAR DESIGN

X Vent Box family of products offer a wide array of orientations and duct ports, offering 4”, 6”, 8” and soon 10”. Most models can be customized to properly fit unique field conditions.
INSTALLATION OPTIONS

**X Vent Box** offers four different mounting options. Together, they can accommodate 95% of all exterior wall assemblies, greatly increasing design options.

**X Vent Box** incorporates a removable front louver and an integrated back draft damper for easy inspection and maintenance without damaging any weather-tight seals.

**S SERIES STUCCO FINISH OVER FRAMING**

The S Series Exhaust Box has a unique fixed flange set at .625in. This series is designed for exterior walls of Stucco, Siding, Metal, & similar exteriors, leaving a clean, flush appearance.

**F SERIES STEEL / ALUMINUM PANEL**

The F Series Exhaust Box is ideal for exterior finishes of Flush Precast, Glass, Metal Panel, Siding and similar finishes. It has a unique architectural trim flange with rear mounting straps.
**FC SERIES GLAZING SYSTEMS / COMPOSITE PANEL SYSTEMS**

The FC Series Exhaust Box has a compression mounting flange option, designed to be installed in exterior walls with Metal Paneling, Glazing Systems and Composite Panel Systems, leaving a flush appearance.

**BR SERIES BRICK / STONE EXTERIOR**

The BR Series Exhaust Box has an adjustable mounting flange and provides an offset throat range from 1 to 6 inches from the installation substrate. This unique mounting option is designed for exterior walls of Brick, Stone, EIFS, Metal Paneling and other similar finishes.
KEEP THE OUTSIDE & INSIDE AIR SEPARATE

Differences in air moisture content and/or temperatures between interior and exterior environments can create conditions in which mold can thrive. Left untreated, mold spores can have toxic effects on the local environment, and be a costly repair to the affected areas.

PREVENT WATER INTRUSION PAST THE BUILDING ENVELOPE

Water intrusion is never good, and expensive to rectify. Prevention is less expensive and easy to achieve. Water can cause mold growth and damage the wall materials through multiple floors. Our products successfully prevent water from breaching the exterior building envelope, even in extreme conditions like hurricanes.

PREVENTS SAND & DEBRIS INFILTRATION

Sand and debris entering and collecting in ductwork can damage attached appliances (dryers, kitchen hoods, bathroom exhaust fans), as well as reduce efficiencies. Our design keeps out debris carried by winds.
EASE OF MAINTENANCE

Our products are designed to require minimum to no maintenance. The recessed cavity boxes and in-line sleeves contain only one or two moving parts (gravity dampers) depending on the model.

Annual Inspections and Maintenance:
An annual visual inspection of the dryer, bathroom and residential kitchen exhaust termination box or sleeve is recommended.

PREVENT BIRD NESTING, AVOID A FIRE HAZARD

A dryer duct filled with bird nests has a direct impact to the airway, exponentially increasing the risk of a dryer fire. Having ducts obstructed increases energy cost relating to additional cycle times. Dealing with animal feces and noise associated with nest building are not pleasant either. Our design makes it impossible for a bird or squirrel to access the duct.
DOUBLE AND TRIPLE HORIZONTAL EXHAUST BOX

The DHEB and THEB models can simultaneously vent from multiple sources, offer duct size options in 4", 6" and 8", and are available in various configurations. Separator fins keep exhaust venting from interacting with each other within the cavity box.

All DHEB and THEB models have options for the smaller duct port to be located on either the left or right side of the box.
DOUBLE AND TRIPLE VERTICAL EXHAUST BOX

The DVEB and TVEB models can simultaneously vent from multiple sources, offer duct size options in 4", 6" and 8", and are available in various configurations. Separator fins keep exhaust venting from interacting with each other within the cavity box.

DUCTING OPTIONS

All DVEB and TVEB models have options for the smaller duct port to be located at the top or bottom of the box.
SINGLE AND MINI DOUBLE EXHAUST BOX

The SEB Series is a single termination cavity box that offers duct sizes of 4", 6" or 8".

The MDEB Series is a double cavity termination box, offering two 4" duct ports. Separator fins keep exhaust venting from interacting with each other.
**SLIM HORIZONTAL EXHAUST BOX**

The SLIM Series is a single cavity box that fits duct sizes up to a 4” or 5” diameter. The low profile design makes it ideal for use in tight spaces.

- **S SERIES**
- **F SERIES**
- **FC SERIES**
- **BR SERIES**
- **DUCTING OPTIONS**

**SLIM 4 OR 5**

---

**IN-LINE SLEEVE**

The ILS Series is a retrofit system designed to replace leaky wall caps. The sleeve slides into the duct without disturbing the surrounding areas. Available in single or double termination, in 4” and 6” ducting options.

- **4ILS- 8F**
- **4ILS-12H**
- **46-ILS-12V**
X Works is a custom fabrication division within X Vent Box providing solutions to unique venting requirements.

Our in house team of fabricators along with our engineering staff can design and fabricate venting options that expand our standard product offering.

Most designs can be developed and fabricated within a few weeks, and upon design approval, can be moved into manufacturing and delivered within a 6-8 week lead time.
CUSTOM COLOR OPTIONS

Custom color made easy.
We can color match nearly any color in the Sherwin-Williams or Benjamin Moore color palette. We also can match a wide array of physical samples to get the exact designer color needed for your project.

The process is streamlined, taking 6 to 8 weeks from color selection to delivery. Our color material is injected into our polymer providing a solid color through and through. All of our products, from our standard white to any of the hundreds of colors we make offer a 10 year UV warranty for color fastness.

The custom color option is cost effective for both large and small scale projects.
### FREE AREA AND WATER PENETRATION

<table>
<thead>
<tr>
<th>Product Models</th>
<th>Total Louver Free Area (Sq. In.)</th>
<th>Total Louver Free Area (Sq. Ft.)</th>
<th>Round Ducted Volume (sq. in.)</th>
<th>Free Area %</th>
<th>Water Penetration Past Louver fpm (feet per minute)</th>
<th>Water Penetration Past Damper fpm (feet per minute)</th>
<th>MAX. DUCTED CFM</th>
<th>Pressure Drop IWC. 75% max CFM Vel. (inches water column)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DVEB</td>
<td>28.53 (per 4&quot; chamber)</td>
<td>0.198 (per 4&quot; chamber)</td>
<td>12.5 (4&quot;)</td>
<td>228%</td>
<td>860 fpm</td>
<td>1390 fpm</td>
<td>155 cfm</td>
<td>0.04</td>
</tr>
<tr>
<td></td>
<td>31.75 (6&quot; chamber)</td>
<td>0.220 (per 6&quot; chamber)</td>
<td>28.3 (6&quot;)</td>
<td>112%</td>
<td></td>
<td></td>
<td>288 cfm</td>
<td>0.05</td>
</tr>
<tr>
<td>DHEB</td>
<td>28.53 (per 4&quot; chamber)</td>
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<td></td>
<td>288 cfm</td>
<td>0.05</td>
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<tr>
<td>TVEB</td>
<td>28.53 (4&quot; chamber)</td>
<td>0.198 (4&quot; chamber)</td>
<td>12.5 (4&quot;)</td>
<td>228%</td>
<td>860 fpm</td>
<td>1365 fpm</td>
<td>155 cfm</td>
<td>0.04</td>
</tr>
<tr>
<td></td>
<td>53 (6&quot; chamber)</td>
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<td>187%</td>
<td></td>
<td></td>
<td>288 cfm</td>
<td>0.06</td>
</tr>
<tr>
<td></td>
<td>53 (8&quot; chamber)</td>
<td>0.368 (8&quot; chamber)</td>
<td>50.24 (8&quot;)</td>
<td>94%</td>
<td></td>
<td></td>
<td>410 cfm</td>
<td>0.06</td>
</tr>
<tr>
<td>THEB</td>
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<td>0.198 (4&quot; chamber)</td>
<td>12.5 (4&quot;)</td>
<td>228%</td>
<td>860 fpm</td>
<td>1365 fpm</td>
<td>155 cfm</td>
<td>0.04</td>
</tr>
<tr>
<td></td>
<td>53 (6&quot; chamber)</td>
<td>0.368 (6&quot; chamber)</td>
<td>28.3 (6&quot;)</td>
<td>187%</td>
<td></td>
<td></td>
<td>288 cfm</td>
<td>0.06</td>
</tr>
<tr>
<td></td>
<td>53 (8&quot; chamber)</td>
<td>0.368 (8&quot; chamber)</td>
<td>50.24 (8&quot;)</td>
<td>94%</td>
<td></td>
<td></td>
<td>410 cfm</td>
<td>0.06</td>
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<tr>
<td>MDEB</td>
<td>28.53 (per chamber)</td>
<td>0.198 (per chamber)</td>
<td>12.5 (4&quot;)</td>
<td>228%</td>
<td>860 fpm</td>
<td>1480 fpm</td>
<td>155 cfm</td>
<td>0.04</td>
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<tr>
<td>SEB</td>
<td>53 (4&quot;)</td>
<td>0.368</td>
<td>12.5 (4&quot;)</td>
<td>424%</td>
<td></td>
<td></td>
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<td>94%</td>
<td></td>
<td></td>
<td>410 cfm</td>
<td>0.06</td>
</tr>
<tr>
<td>SLIM</td>
<td>28.76 (4&quot;)</td>
<td>0.201</td>
<td>12.5 (4&quot;)</td>
<td>230%</td>
<td>860 fpm</td>
<td>1455 fpm</td>
<td>185 cfm</td>
<td>0.05</td>
</tr>
<tr>
<td></td>
<td>28.76 (5&quot;)</td>
<td></td>
<td>19.5 (5&quot;)</td>
<td>146%</td>
<td></td>
<td></td>
<td>220 cfm</td>
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<tr>
<td>4ILS</td>
<td>11.38</td>
<td>0.079</td>
<td>12.5 (4&quot;)</td>
<td>91%</td>
<td>860 fpm</td>
<td>1380 fpm</td>
<td>125 cfm</td>
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<tr>
<td>6ILS</td>
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<td>28.3 (6&quot;)</td>
<td>82%</td>
<td>860 fpm</td>
<td>1270 fpm</td>
<td>265 cfm</td>
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</tr>
</tbody>
</table>

**Water Penetration:**
First Point of Water Penetration is the point at which a louver allows the passage of water through the louver. It is a threshold measurement of air intake velocity at which the louver will begin leaking (in feet per minute or fpm). We follow the AMCA 500L (Wind Driven Test), AMCA 550 and TAS 100 (A) standards for the calculations presented in the chart above.

**Louvers:**
The typical method of testing for water penetration is to force air through the louver while applying a measured water content into the airstream. The velocity of airflow through the louver free area is increased until the louver allows water to enter. The result of these test is the first point of water penetration - ranging from 300 fpm (a very poor resistor to water entrainment) to 1250 fpm (a very good resistor to water entrainment).

**X Vent Box:**
Utilizes a monolithic cavity box with a louver face and a integrated gravity back draft dampers, providing a complete exhaust termination system. Our patented exhaust termination system tested above a threshold of 1250 fpm, the back draft dampers function to eliminate any water migration into the duct system. X Vent Box offers additional design enhancements to aide in the removal of water within the cavity box.

*We have conducted tests up to 1480 fpm without water penetration pass the back draft damper. This exceeds the baseline standard for AMCA 500 L cand AMCA 550 (wind driven test) which is set at 1250 fpm.

Please visit: www.xventbox.com or contact us directly for additional product information.
ALL MATERIALS HAVE BEEN TESTED FOR THE FOLLOWING STANDARDS:

ASTM E-84 | Intended to provide only comparative measurements of surface flame spread and smoke density measurements.


PRESSURE TEST | CONDUCTED BY: CONSTRUCTION RESEARCH LABORATORY INC.

Slim Vent Box: max pressure +400/-440psf
Single Vent Box (4 or 6 inch): max pressure +375/-450psf
Mini Double Vent Box (hor/ver): max pressure +380/-400psf
Double Vent Box (hor/ver): max pressure +380/-400psf
Triple Vent Box (hor/ver): max pressure +390/-400psf
In-Line Sleeve (4 or 6 inch): max pressure +415/-390psf

COMPRESSIVE STRENGTH TEST | CONDUCTED BY: ALL STATE ENGINEERING & TESTING CONSULTANTS INC.

Slim Exhaust Vent Box: applied load +4640lbs / test strenght 72 PSI
Single Exhaust Vent Box (4 or 6 inch): applied load +3344lbs / test strenght 73 PSI
Mini Double Exhaust Vent Box (hor/ver): applied load +4845lbs / test strenght 70 PSI
Double Exhaust Vent Box (hor/ver): applied load +4845lbs / test strenght 70 PSI
Triple Exhaust Vent Box (hor/ver): applied load +3420lbs / test strenght 76 PSI
In-Line Sleeve: applied load +-------lbs / test strenght -- PSI
PROJECT GALLERY

ROSE HALL APARTMENTS - MACHSON, NJ

STANHOPE STUDENT HOUSING - RALEIGH, NC

MILLIKAN ON MASS - INDIANAPOLIS, IN

POSCHE DESIGN TOWER - SUNNY ISLES BEACH, FL

BRICKELL CITY CENTER - MIAMI, FL
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