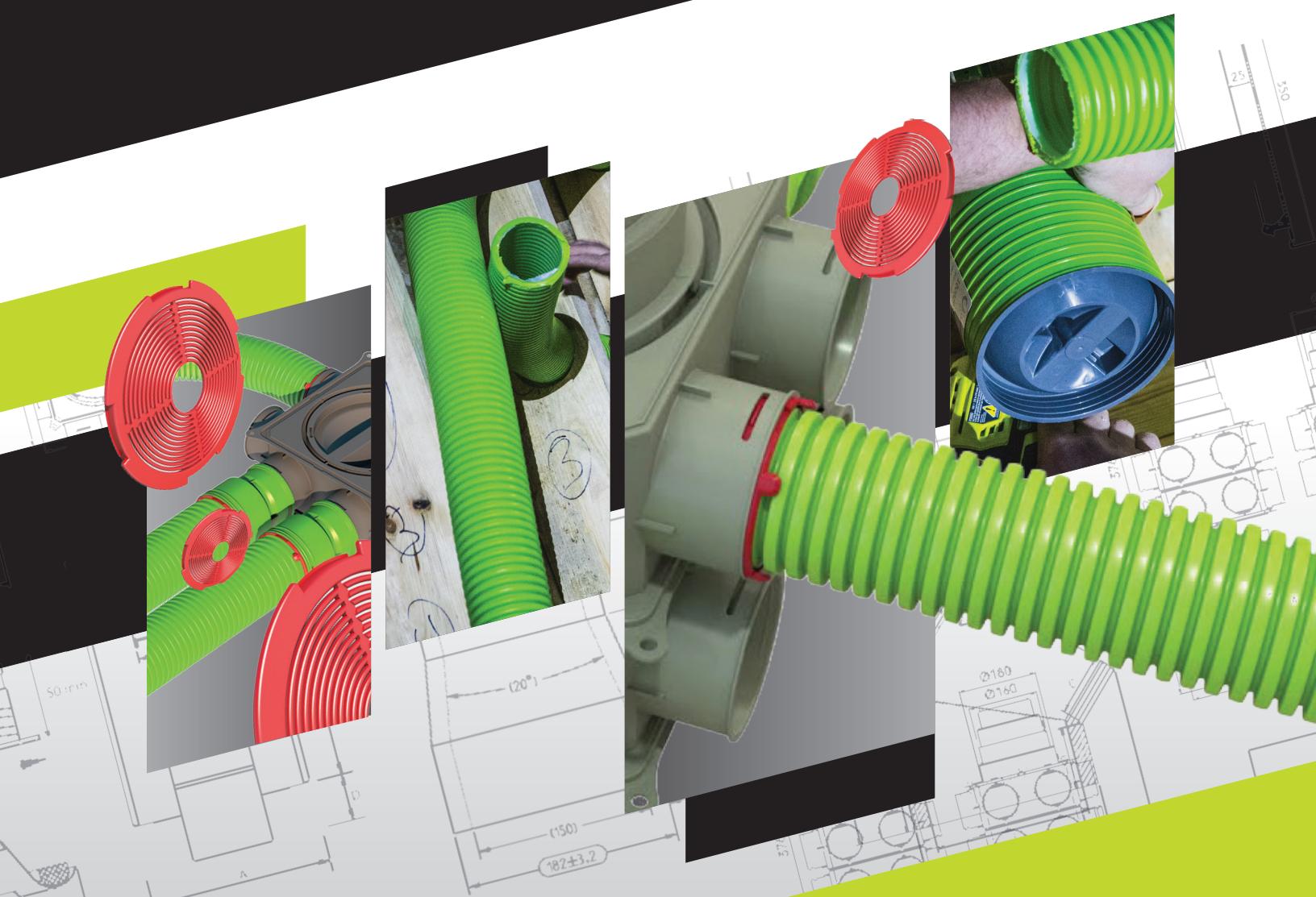


SMART VENTILATION,
HEALTHY LIVING



Product Catalog

Centrotherm
solutions beyond





ubbink

A Brief History of Ubbink Residential Ventilation

Drawing on over a century of engineering innovation, Centrotherm is proud to offer Ubbink Air Excellent, AerFoam, and Haelix and Contego terminals – together. Centrotherm ventilation systems provide a litany of IAQ benefits while remaining easy and versatile to install.

Indoor air quality is critically impactful on personal health. Centrotherm ventilation systems will provide balanced, draft-free fresh air to the living areas, while efficiently ventilating kitchens and bathrooms.

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Residential Ventilation

[Aeroflux Mass Flow Duct](#)

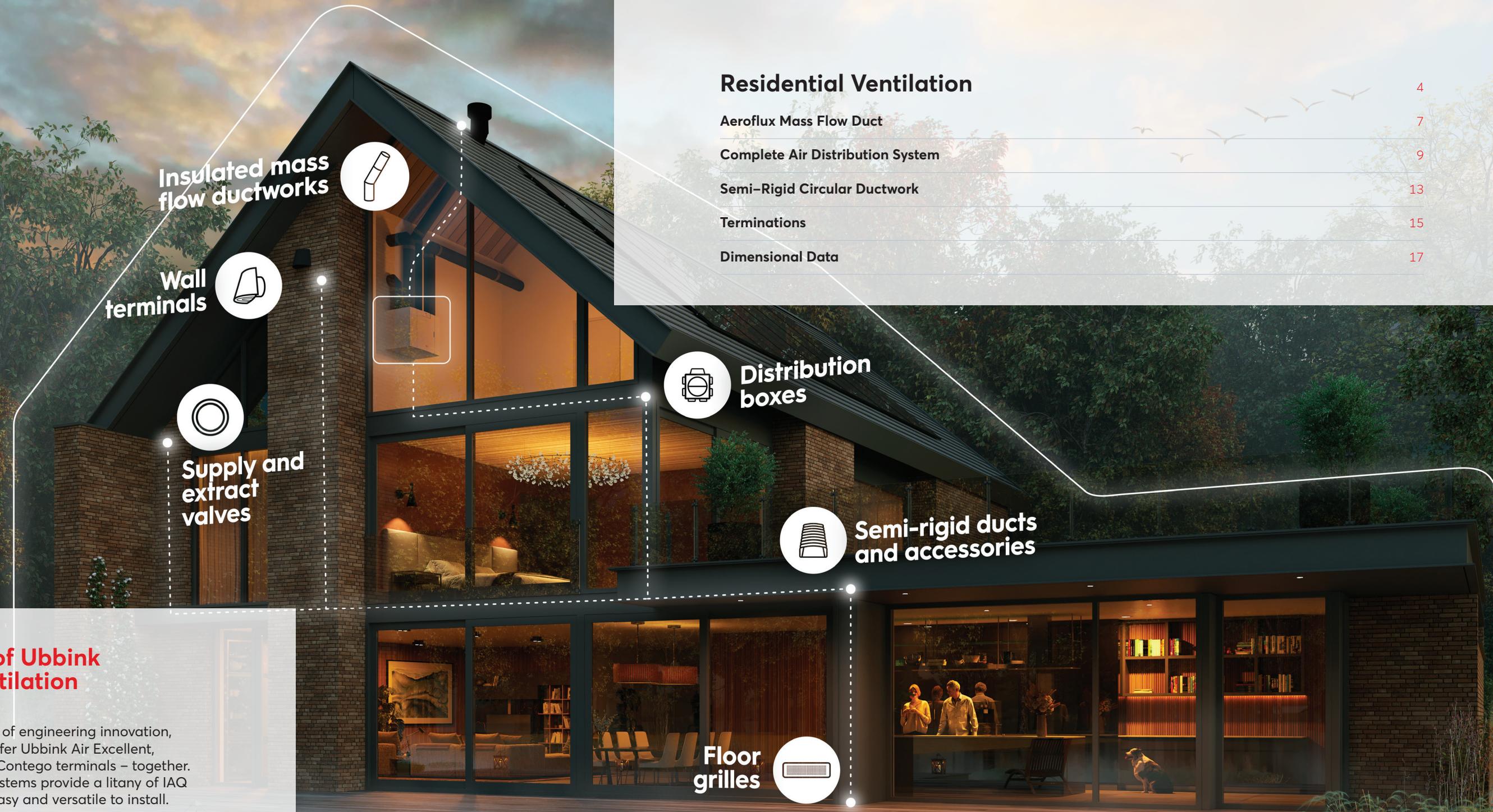
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VENTILATION

HIGHEST QUALITY AIR

- An engineered polyethylene semi-rigid duct system
- Compatible with any HRV or ERV appliance on the market
- Class ATC-1 Airtightness (EN 12237) to ± 8 " water column

Benefits of Air Excellent?

- Ensures balanced air exchanges in the dwelling
- Improves the energy efficiency of the appliance up to 63%¹
- Reduces carbon footprint²
- Decreases install time up to 30%

How Air Excellent works?

- Continuous duct runs with mechanical airtight connections at each end
- Pre-engineered with **No Field Commissioning Required**

¹ Leprince, V., Lightfoot, M., & Jelmer, de J. (2019). IMPACT OF DUCTWORK LEAKAGE ON THE FAN ENERGY USE OF CENTRAL MECHANICAL VENTILATION UNITS WITH HEAT RECOVERY USED IN HOUSES. <https://www.centrotherm.ca/products/air-excellent-air-management-system/>

² Epstein, M. (2021). Air Ventilation: Health and Environmental Benefits of Fully Dedicated vs. Partially Dedicated Systems. *Centrotherm Eco Systems*. <https://www.centrotherm.ca/products/air-excellent-air-management-system/>

Continuous Mechanical Airtight Ducts Prevents Air Leakage.

No Duct Seal, No Duct Tape, No Screws.

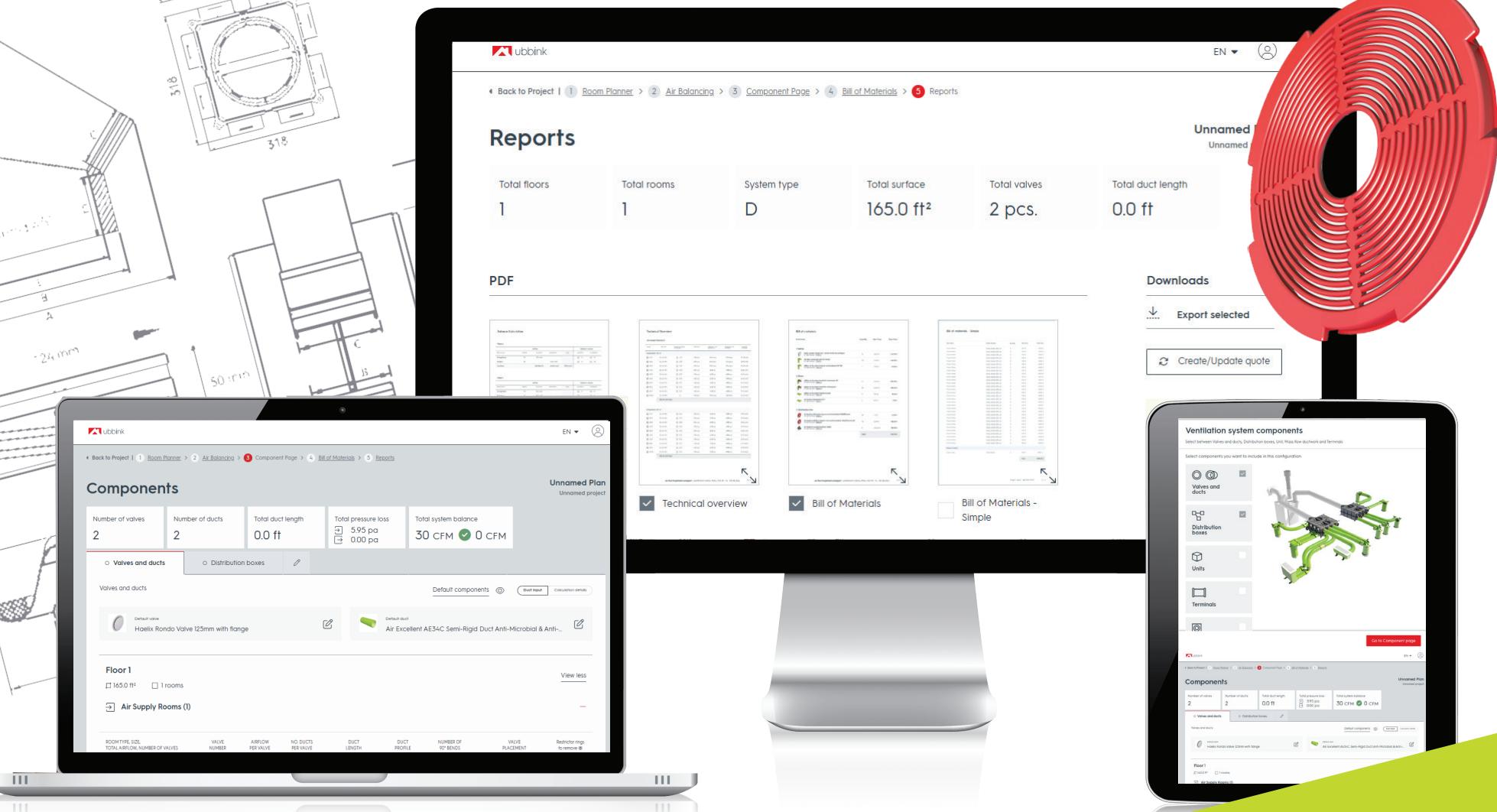
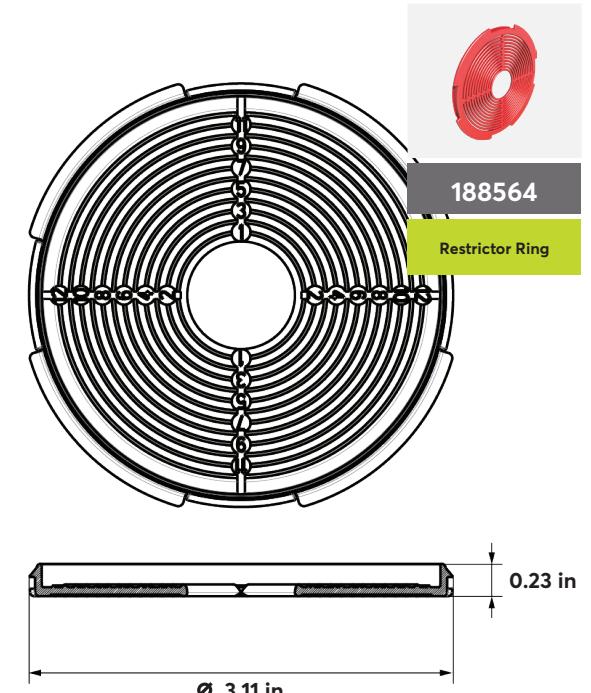


Accurate Air Flow Calculations Equals the Highest Air Quality.

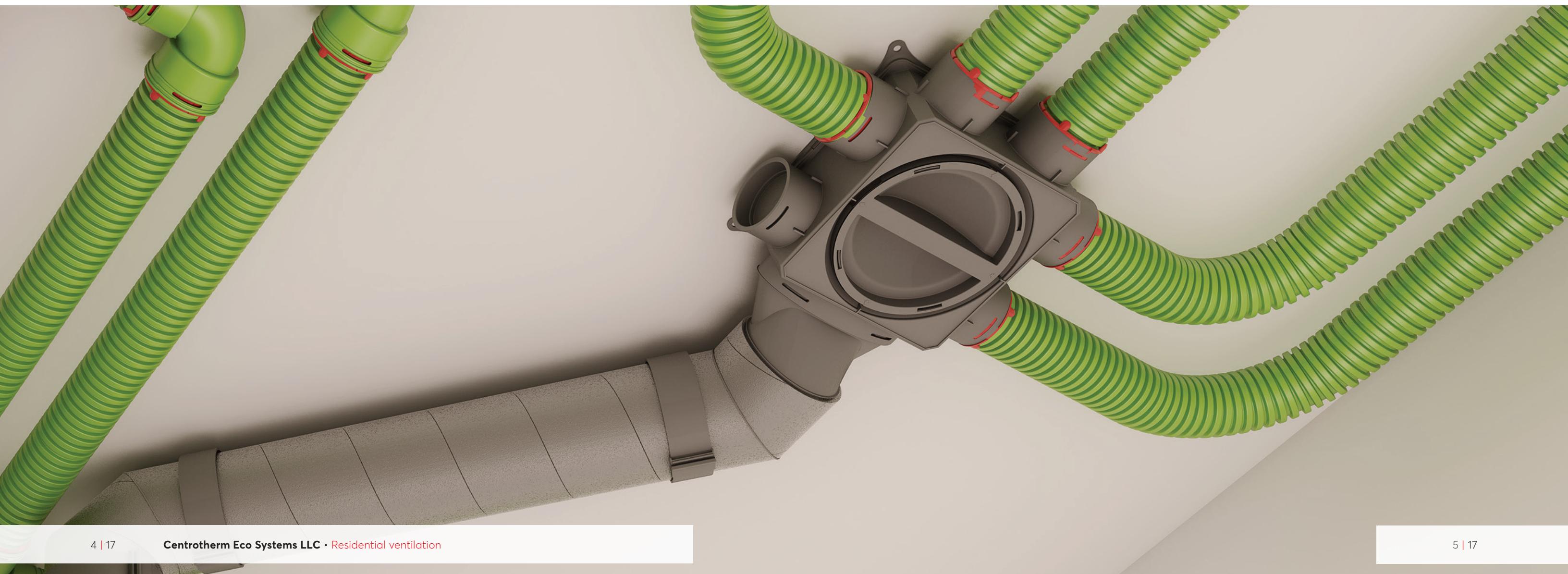
Each Centrotherm ventilation system is **precisely designed for precise air supply and exhaust**. Measuring air flow is an inexact science, but our proprietary balancing software accurately calculates the ventilation layout to achieve the required air exchanges and provide optimal indoor air quality.

The Centrotherm configurator will not only provide a visual overview of the design, but outline type and quantity of Ubbink Air Excellent, AerFoam, Haelix, and Contego components necessary to complete the installation.

Contact Centrotherm and we'll help you get trained on how to properly balance your own Centrotherm ventilation systems and start engineering industry leading IAQ systems.



RESIDENTIAL VENTILATION





Mass Flow Duct

Aerfoam Insulated Mass Flow Ductwork

Draw fresh air from the outside, and return stale air to the appliance through easily assembled Air Excellent mass flow duct. These insulated lightweight lengths and elbows assemble quickly providing a smooth path to and from the appliance.



Aerfoam Insulated Mass Flow Ductwork

| | | 125 mm | 180 mm |
|--|-----------------------------------|--------|--------|
| | Duct 2m | 188202 | 188206 |
| | Bend 90° | 188263 | 188283 |
| | Bend 45° | 188262 | 188282 |
| | T-Piece | 188264 | |
| | Duct connector | 188265 | 188285 |
| | Duct wall bracket | 169141 | 169143 |
| | Aerfoam Adaptor 180 (F) – 150 (M) | | 188979 |



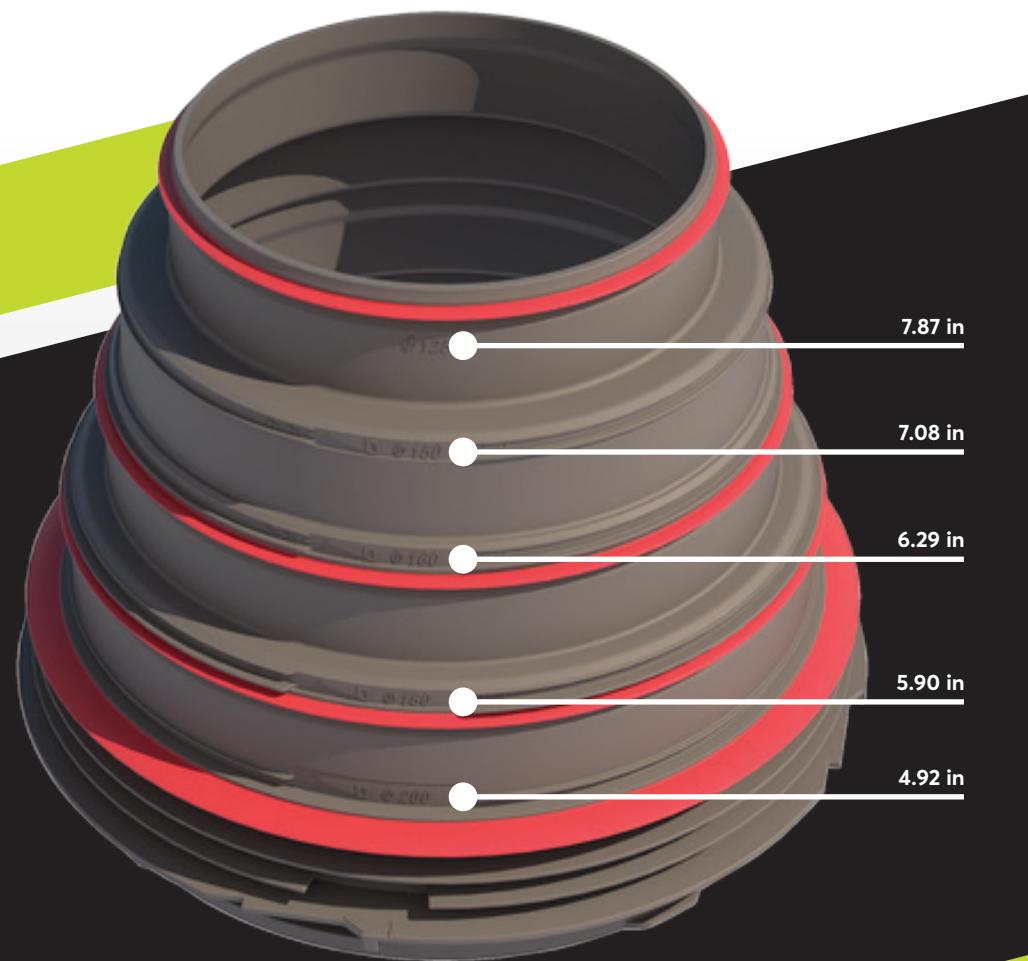
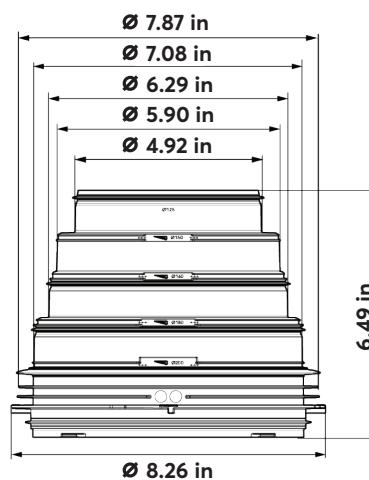
DBOX

STEPPED ADAPTOR

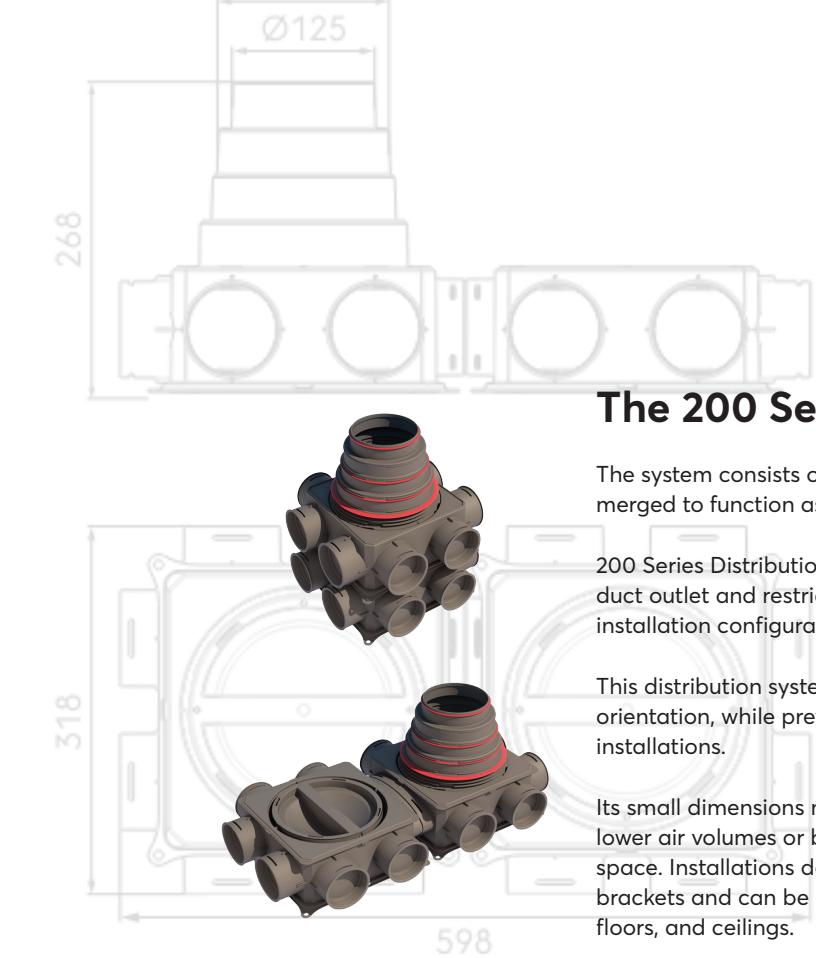
125-180

NEW

- Adapts seamlessly to various configurations with its five available diameters
- Designed for easy cutting with integrated cutting grooves
- Minimizes system pressure loss with its efficient design
- Ensures airtight and safe assembly with integrated TPE seals, reducing fan energy use and minimizing sound production



CONNECTION SCHEME



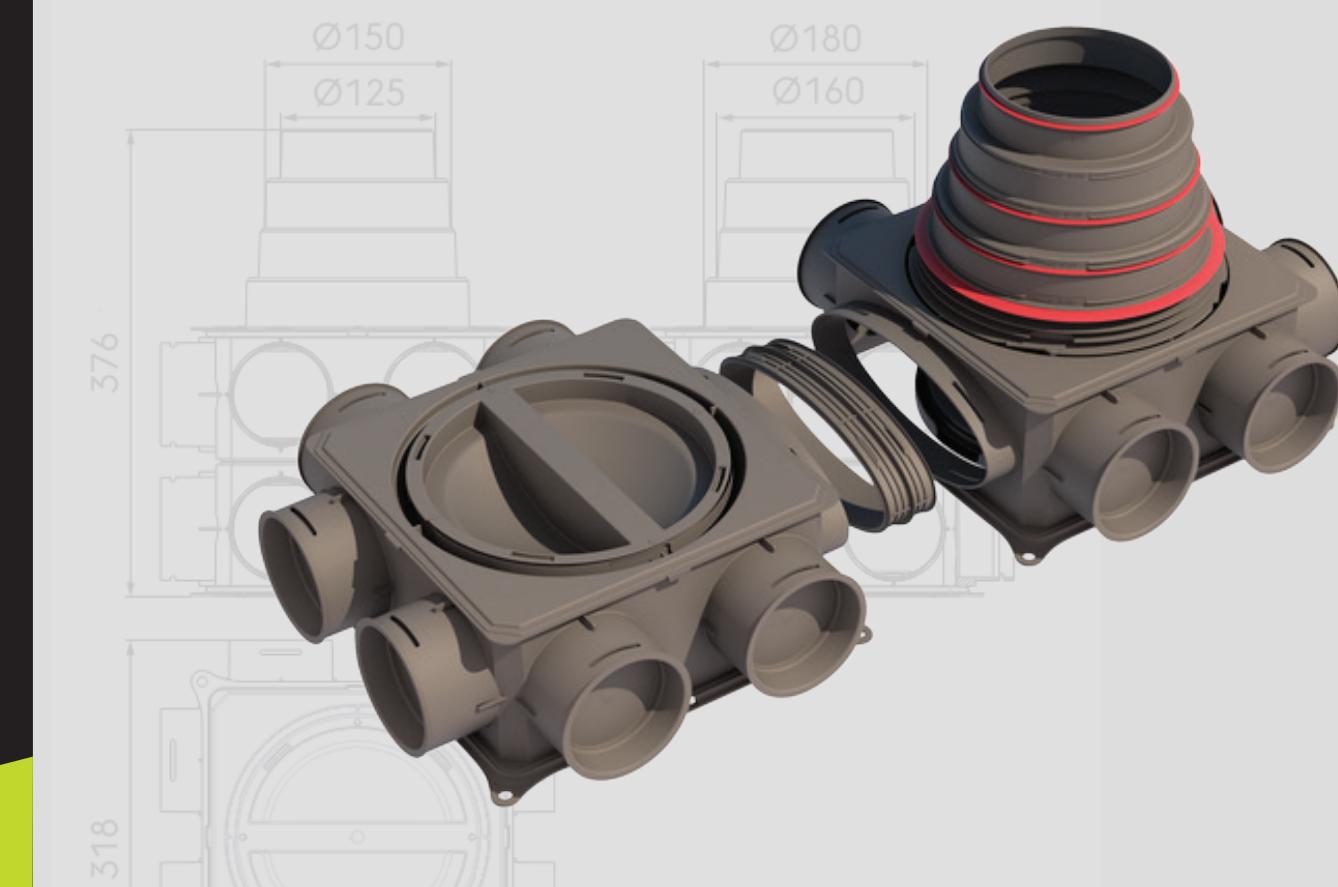
The 200 Series Distribution Boxes

The system consists of modular box units and adapters that can be merged to function as one system.

200 Series Distribution Boxes come with caps for half of the DBox duct outlet and restrictor rings for every outlet. Allowing for multiple installation configurations.

This distribution system allows for tailor-made solutions for any orientation, while preventing incorrectly balanced installations.

Its small dimensions make it ideal for homes that require lower air volumes or buildings that have limited installation space. Installations do not require separate mounting brackets and can be executed by a single person on walls, floors, and ceilings.



D-BOXES

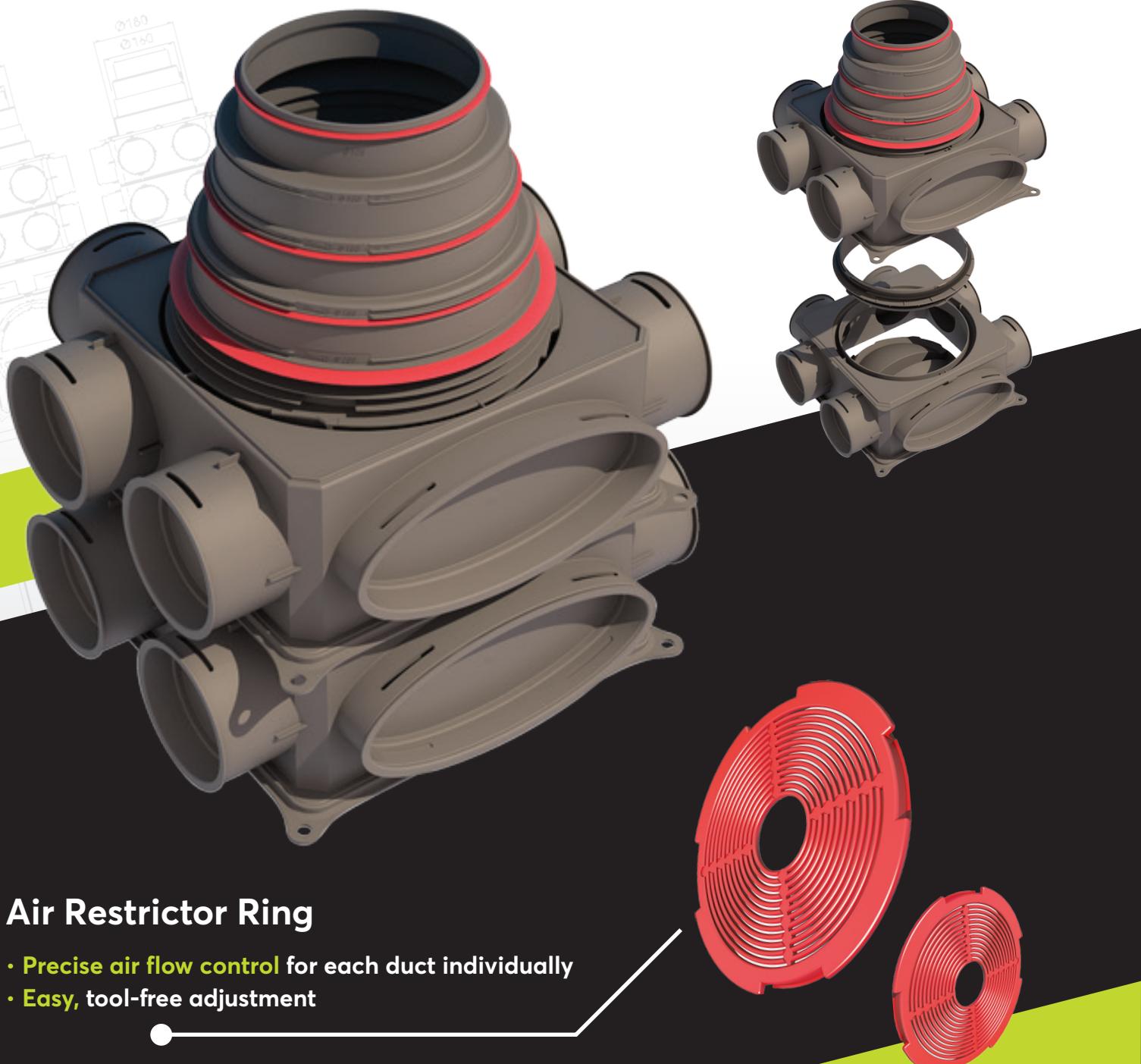
PRESSURE CONFIGURATOR

200 SERIES DISTRIBUTION BOXES



Air Excellent Air Distribution System

Air Excellent Distribution Boxes



Air Restrictor Ring

- Precise air flow control for each duct individually
- Easy, tool-free adjustment

Distribution boxes are the heart of Air Excellent's configurable system. The Air Excellent Pressure Configurator software will precisely define the quantity of duct runs and the arrangement of restrictor plates. Ubbink's Distribution Boxes are supplied with enough restrictor rings and caps to complete the installation.



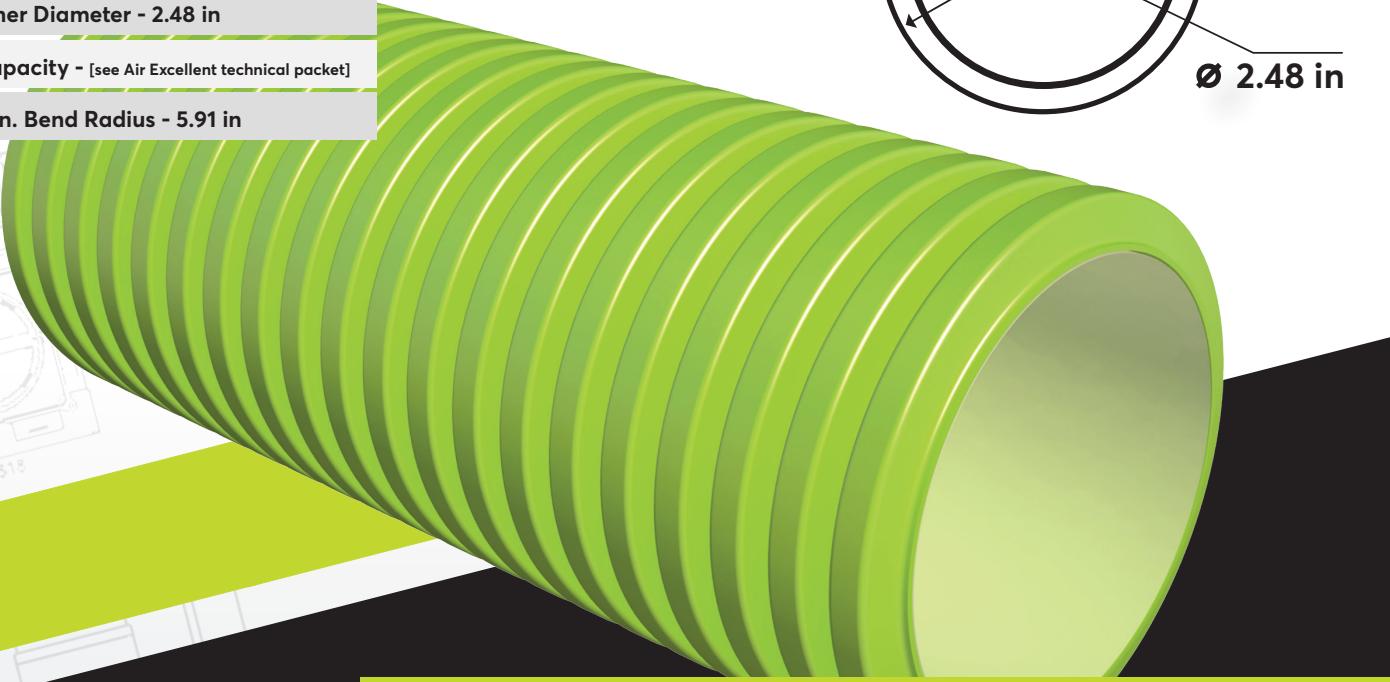
200 Series Distribution Boxes

| Description | Part Number |
|---|-------------|
| Air Excellent distribution box DB206V125-200 6 connections | 188960 |
| Air Excellent distribution box DB206H125 6 connections | 188642 |
| Air Excellent distribution box DB208V125-200 8 connections | 188961 |
| Air Excellent distribution box DB212V125-200HE 12 connections | 188962 |
| Air Excellent distribution box DB212V125-200VE 12 connections | 188964 |
| Air Excellent distribution box DB216V125-200VE 16 connections | 188965 |
| Air Excellent DBOX Cover | 188563 |
| Air Excellent DBOX Internal Air Restrictor Ring | 188564 |
| Air Excellent DBOX External Air Restrictor Valve | 188663 |

SEMI-RIGID CIRCULAR DUCTWORK

188661

| Dimensions |
|---|
| Outer Diameter - 2.95 in |
| Inner Diameter - 2.48 in |
| Capacity - [see Air Excellent technical packet] |
| Min. Bend Radius - 5.91 in |



Airtight (ATC 1)

Anti-Microbial & Anti-Static



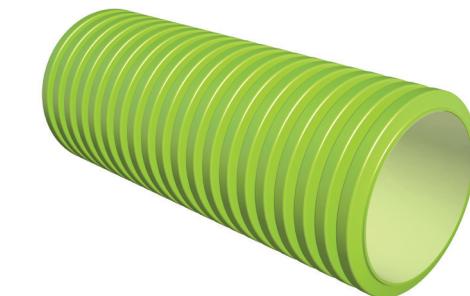
- Semi-rigid plastic ducts on a roll and airtight mechanical connections, which are extremely easy to install
- Low system pressure loss due to radial design
- Airtight (ATC 1) thanks to mechanical connections, which minimizes fan energy use and sound production



Air Excellent Semi-Rigid Circular Ductwork

Air Excellent semi-rigid plastic duct 3 in with anti-microbial and anti-static additives.

- Semi-rigid plastic ducts on a roll
- Extremely easy to install
- Low system pressure loss due to radial design
- Airtight thanks to mechanical connections



AE34C Flexible Ductwork

| | Description | |
|--|--|------------|
| | Air Excellent AE34C Semi-Rigid Duct Anti-Microbial & Anti-Static 50m | 188661 |
| | Air Excellent 1x AE34C Valve Adaptor 125mm 90° with mounting strip | 188972 |
| | Air Excellent 2x AE34C Valve Adaptor 125mm 90° with mounting strip | 188974 |
| | Air Excellent 2x AE34C Valve Adaptor 125mm 180° | 188399 |
| | Air Excellent AE34C Floor Grille Adaptor | 188973 |
| | Air Excellent AE34C Connector Kit | 188993 |
| | Air Excellent AE34C Bend 90° Kit | 188599 |
| | Excellent AE34C Click-Seal Ring (10 Pieces) | 188991 |
| | Air Excellent Duct Tie wraps with screw saddle (100 pcs) | 188978-100 |
| | Air Excellent AE34C Duct Cap (10 Pieces) | 188681 |

HAELEX

VALVES

188062



Integrated Fan-Shaped Air Diffuser

- For improved air distribution

For Air Supply and Exhaust

Low Noise Level

Wide Flange to Prevent Dirt Deposits

9-Step Adjustment Ring

CONTEGO

WALL TERMINATION

188844 & 188842

NEW

A Sleek and Practical Solution

Timeless Design, Simple Installation



Wall Terminations

Wall Terminations

| Description | |
|--|--------|
|  Contego Wall Terminal 125mm Black Grey | 188844 |
|  Contego Wall Terminal 180mm Black Grey | 188842 |

Valves

Haelix Valve

| Description | |
|--|--------|
|  Haelix Rondo Valve 125mm with flange | 188062 |

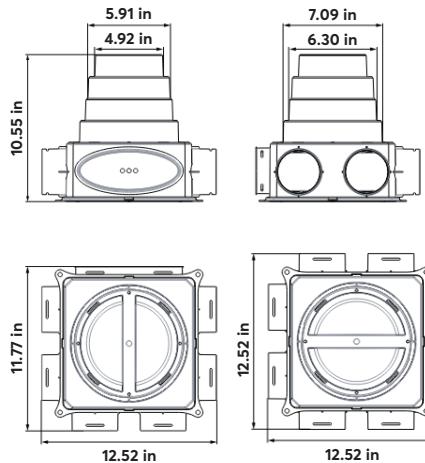
Floor Grille

Floor Grille

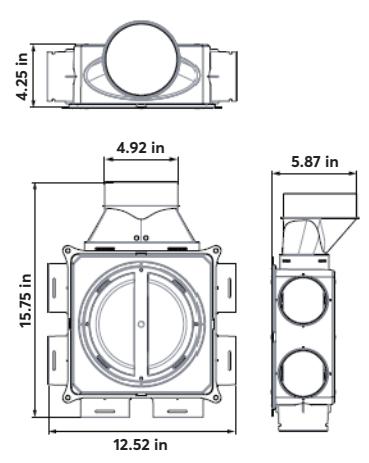
| Description | |
|--|--------|
|  Air Excellent Floor Grille White | 188316 |

CONNECTION SCHEME

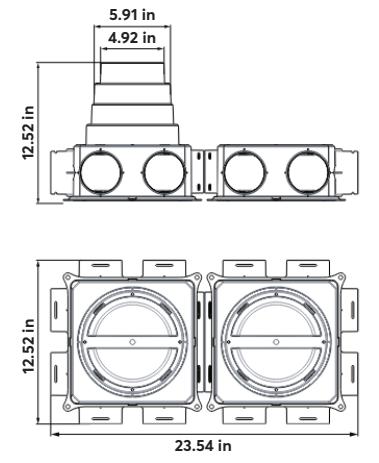
188960 & 188961 pg11



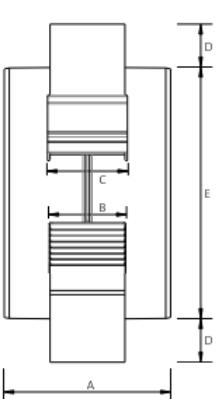
188642 pg11



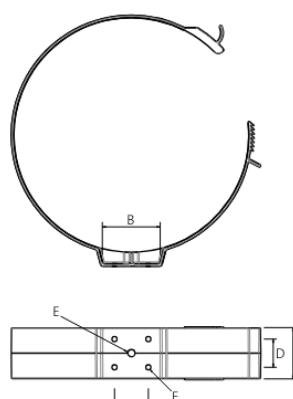
188962 (Inline) pg11



188265 & 188285 pg7

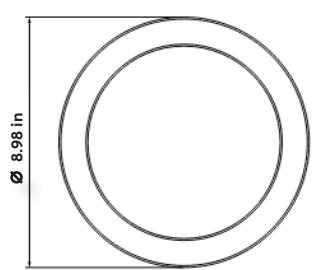
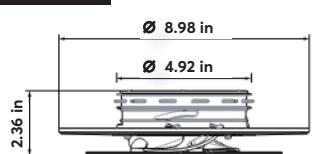


169141 & 169143 pg7

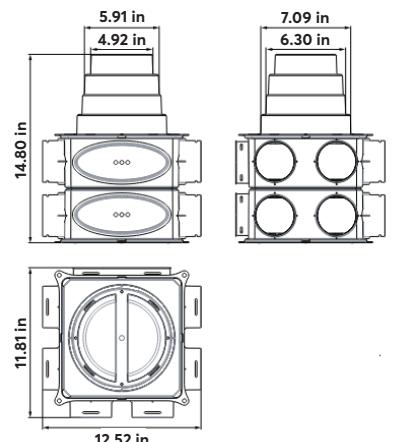


| Dimensions | 5 in | 7 in |
|------------|------|------|
| A [in] | 1.77 | 1.77 |
| B [in] | 1.97 | 1.97 |
| C [in] | 1.18 | 1.18 |
| D [in] | 0.98 | 0.98 |
| E [in] | M8 | M8 |
| F [in] | - | - |

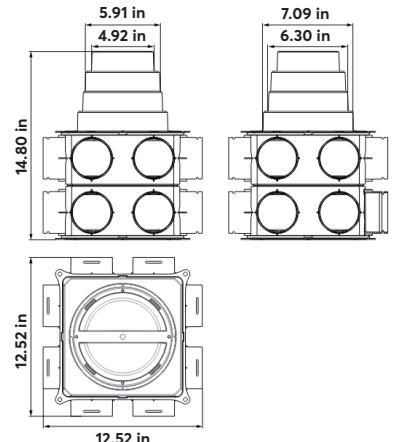
188062 pg15



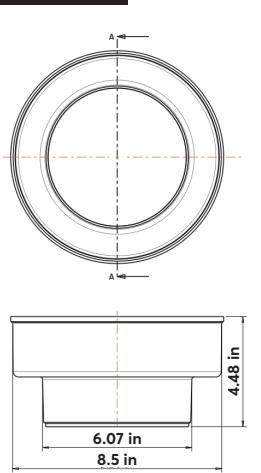
188964 (Vertical) pg11



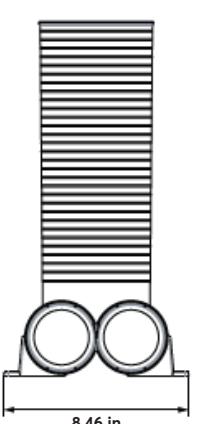
188965 pg11



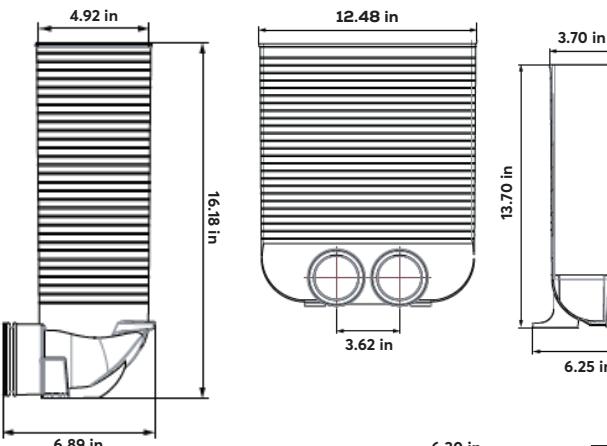
188979 pg7



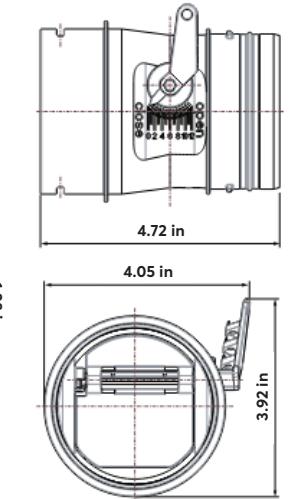
188974 pg13



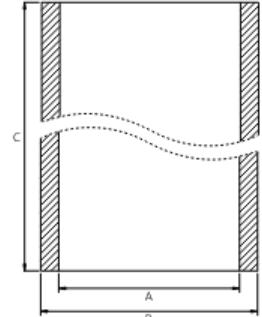
188973 pg13



188663 pg13

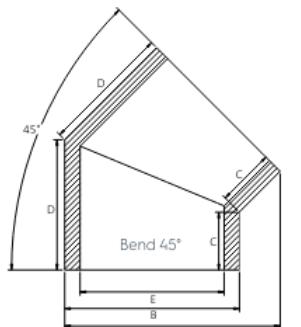


188202 & 188206 pg7



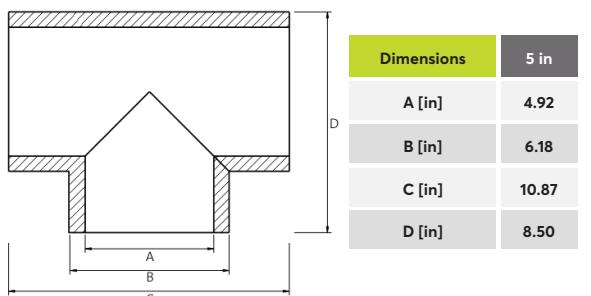
| Dimensions | 5 in | 7 in |
|------------|----------|----------|
| A [in] | 4.92 | 7.09 |
| B [in] | 6.18 | 8.35 |
| C [in] | 0.079 | 0.079 |
| Zeta [lbs] | 1.06 lbs | 1.48 lbs |

188262 & 188282 pg7

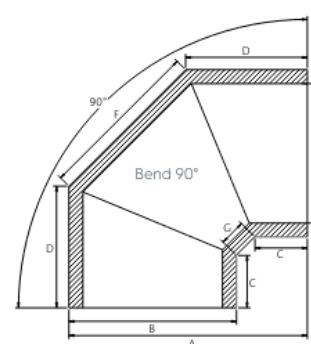


| Dimensions | 5 in | 7 in |
|------------|----------|----------|
| A [in] | 7.83 | 10.15 |
| B [in] | 6.18 | 8.35 |
| C [in] | 2.36 | 2.56 |
| D [in] | 4.92 | 6.02 |
| E [in] | 4.92 | 7.09 |
| Zeta [lbs] | 1.17 lbs | 0.88 lbs |

188264 pg7

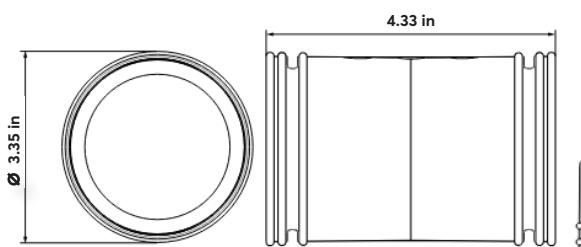


188263 & 188283 pg7

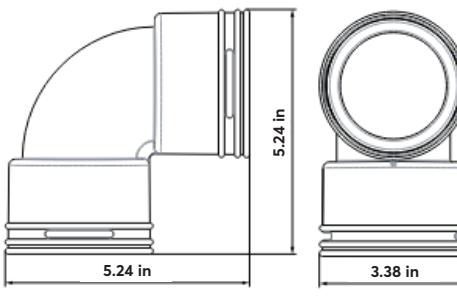


| Dimensions | 5 in | 7 in |
|------------|----------|----------|
| A [in] | 9.37 | 11.73 |
| B [in] | 6.18 | 8.35 |
| C [in] | 2.36 | 2.56 |
| D [in] | 4.92 | 6.02 |
| E [in] | 4.92 | 7.09 |
| F [in] | 6.26 | 8.11 |
| G [in] | 1.18 | 1.18 |
| Zeta [lbs] | 1.94 lbs | 1.85 lbs |

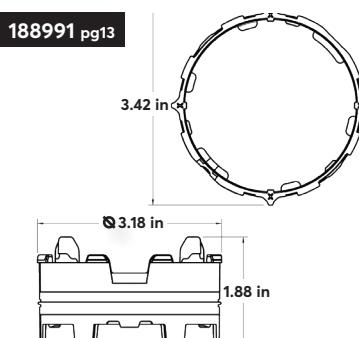
188993 pg13



188599 pg13



188991 pg13





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solutions beyond



Centrotherm Eco Systems LLC

@ info@centrotherm.us.com • www.centrotherm.us.com

