

VENTILATIONCOMPONENTS.COM

Catalogue

VentilationComponents.com provides industrial grade ventilation components. We understand the importance of providing quality products and meeting the unique needs of our customers.

Our knowledgeable sales force is prepared to help you find the right components with the right specifications for your application.

Simplify your workload with us.



VENTILATIONCOMPONENTS.COM

The international industrial ventilation components supplier.

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Please see our website for data sheets and ordering details.

Round Access Door



Applications

Suitable for mounting on ducting or equipment for various types of ventilation systems

Sizes

Door Size:
30.00" to 50.00"

Pressure Ratings

Pressure Rating:
15inWC to 50inWC

Velocity:
Up to 6,000fpm

How it works

An easily removable gasketed cover maintains a watertight seal and it is welded to the duct or equipment. The cover can be removed to allow for access to what's behind.

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Please see our website for data sheets and ordering details.

Rectangular Access Door



Applications

Suitable for mounting on ducting or equipment for various types of ventilation systems

Sizes

Door Size:
12.00" x 24.00 to
24.00" x 48.00"

Pressure Ratings

Pressure Rating:
15inWC to 50inWC
Velocity:
Up to 6,000fpm

How it works

An easily removable gasketed cover maintains a watertight seal and it is welded to the duct or equipment. The cover can be removed to allow for access to what's behind.

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Please see our website for data sheets and ordering details.

Doorway Access Door



Applications

Suitable for mounting on ducting or equipment for various types of ventilation systems

Sizes

Door Size:
28.00" x 68.00",
36.00" x 88.00", and
42.00" x 66.00"

Pressure Ratings

Pressure Rating:
-10inWC to 10inWC
Velocity:
Up to 5,000fpm

How it works

A hinged doorway maintains a watertight seal and is welded to the duct or equipment. Handles on both sides of the door, along with a safety stop, allow for access.

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Please see our website for data sheets and ordering details.

Round Relief Damper



Applications

Relieving excessive vacuum or pressure in a duct or vessel

Sizes

Inlet and Outlet Size:
8.00" to 48.00"

Pressure Ratings

Pressure Rating:
15inWC to 50inWC

Velocity:
Up to 6,000fpm

How it works

The shaft is off center and has an adjustable counter weight. If the pressure differential exceeds a set level, the blade will open to relieve the pressure and allow air to pass through.

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Please see our website for data sheets and ordering details.

Round Actuated Damper



Applications

Tight shut off or balancing of an airstream

Sizes

Inlet and Outlet Size:
8.00" to 48.00"

Pressure Ratings

Pressure Rating:
15inWC to 50inWC

Velocity:
Up to 6,000fpm

How it works

An adjustable blade controlled by an actuator is positioned to regulate or shut off the airflow.

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Please see our website for data sheets and ordering details.

Round Angled Slide Gate Damper



Applications

Tight shut off or balancing of dust and material conveying systems

Sizes

Inlet and Outlet Size:
8.00" to 48.00"

Pressure Ratings

Pressure Rating:
15inWC to 50inWC

Velocity:
Up to 6,000fpm

How it works

A manually adjustable blade is positioned to regulate or shut off the airflow. The blade's angle prevents unwanted accumulation of the conveyed material. The blade's position is set with locking bolts and it has a safety stop.

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Please see our website for data sheets and ordering details.

Round Manual Balancing Damper



Applications

Balancing of an airstream

Sizes

Inlet and Outlet Size:
8.00" to 48.00"

Pressure Ratings

Pressure Rating:
15inWC to 50inWC

Velocity:
Up to 6,000fpm

How it works

A manually adjustable blade is positioned to regulate the airflow. The handle is fitted with a locking nut to secure its desired position.

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Please see our website for data sheets and ordering details.

Round Slide Gate Damper



Applications

Tight shut off or balancing of an airstream, or for flow control in material handling systems

Sizes

Inlet and Outlet Size:
8.00" to 48.00"

Pressure Ratings

Pressure Rating:
15inWC to 50inWC

Velocity:
Up to 6,000fpm

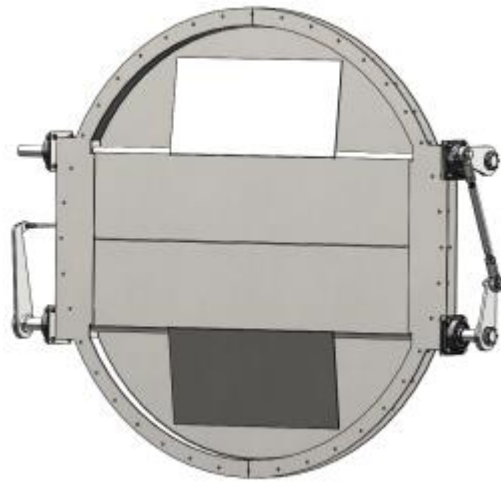
How it works

A manually adjustable blade is positioned to regulate or shut off the airflow. The blade has a safety stop and its position is set with locking bolts.

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Please see our website for data sheets and ordering details.

Round Actuated Dual Blade Damper



Applications

Tight shut off or
balancing of an
airstream

Sizes

Inlet and Outlet Size:
36.00" to 120.00"

Pressure Ratings

Pressure Rating:
15inWC to 50inWC

Velocity:
Up to 6,000fpm

How it works

Adjustable blades that are joined by an adjustable linkage are controlled by an actuator and positioned to regulate or shut off the airflow.

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Please see our website for data sheets and ordering details.

Rectangular Actuated Damper



Applications

Tight shut off or
balancing of an
airstream

Sizes

Inlet and Outlet Size:
**8.00" x 8.00" to
48.00" x 48.00"**

Pressure Ratings

Pressure Rating:
15inWC to 50inWC
Velocity:
Up to 6,000fpm

How it works

An adjustable blade controlled by an actuator is positioned to regulate or shut off the airflow.

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Please see our website for data sheets and ordering details.

Rectangular Slide Gate Damper



Applications

Tight shut off or balancing of an airstream or for flow control in material handling systems

Sizes

Inlet and Outlet Size:
**8.00" x 8.00" to
48.00" x 48.00"**

Pressure Ratings

Pressure Rating:
15inWC to 50inWC
Velocity:
Up to 6,000fpm

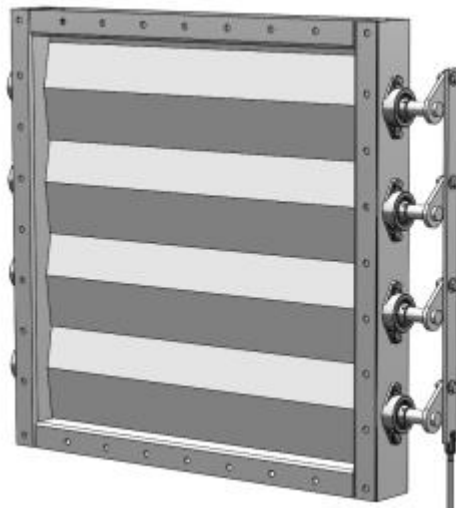
How it works

A manually adjustable blade is positioned to regulate or shut off the airflow. The blade has a safety stop and its position is set with locking bolts.

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Please see our website for data sheets and ordering details.

Rectangular Multi Blade Damper



Applications

Tight shut off or balancing of an airstream

Sizes

Inlet and Outlet Size:
**36.00" x 36.00" to
120.00" x 120.00"**

Pressure Ratings

Pressure Rating:
15inWC to 50inWC
Velocity:
Up to 6,000fpm

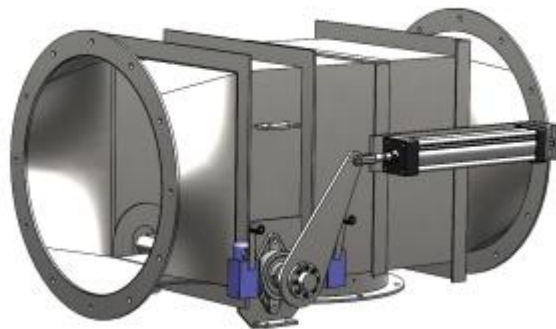
How it works

Adjustable blades joined by a linkage and controlled by an actuator are positioned to regulate or shut off the airflow.

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Please see our website for data sheets and ordering details.

90 Degree Divert Damper



Applications

Diverting airflow

Sizes

Inlet, Outlet, and
Divert Size:
8.00" to 60.00"

Pressure Ratings

Pressure Rating:
15inWC to 50inWC
Velocity:
Up to 6,000fpm

How it works

In the run position, with the cylinder retracted, the blade touches a perimeter seal at the divert port. While in divert mode, with the cylinder extended, the divert port is open and the adjacent port is closed.

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Please see our website for data sheets and ordering details.

Angled Divert Damper



Applications

Diverting airflow

Sizes

Inlet, Outlet, and
Divert Size:
**8.00" x 8.00" to
60.00" x 60.00"**

Pressure Ratings

Pressure Rating:
15inWC to 50inWC
Velocity:
Up to 6,000fpm

How it works

In the run position and divert position, controlled by an actuator, the blade touches a perimeter seal. The internal surfaces of the damper are smooth which avoids hangups or blockages.

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Please see our website for data sheets and ordering details.

Centrifugal Droplet Separator



Applications

Removes mist and wetted particulate from an air stream

Sizes

Tank Size:
30.00" to 198.00"

Capacity:
3,300cfm to 138,000cfm

Efficiency Rate:
Application Dependent

Pressure Ratings

Pressure Rating:
15inWC to 50inWC

Velocity:
4,500fpm

How it works

An internal vortex is created as the air enters tangentially. Droplets separate from the airstream due to centrifugal action and the water is drained. The rotation of the airflow is stopped as the air exits through a vortex breaker.

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Please see our website for data sheets and ordering details.

Radial Droplet Separator



Applications

Removes mist and wetted particulate from an air stream

Sizes

Inlet and Outlet Size:
14.00" to 46.00"

Capacity:
3,400cfm to 35,000cfm

Efficiency Rate:
Application Dependent

Pressure Ratings

Pressure Rating:
15inWC to 50inWC

Velocity:
4,500fpm

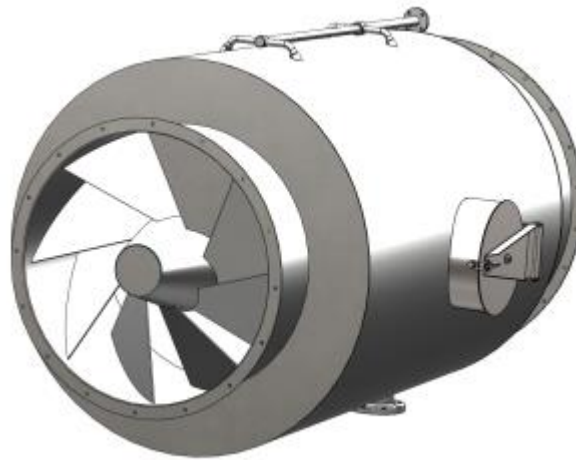
How it works

Air enters the system radially, where large droplets are separated due to impaction on the inner wall, and gravity. The separated water is then drained through the bottom drain connection.

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Please see our website for data sheets and ordering details.

Axial Droplet Separator



Applications

Removes mist from an air stream

Sizes

Capacity:
4,300cfm to 89,400cfm

Efficiency Rate:
Application Dependent

Pressure Ratings

Pressure Rating:
15inWC to 50inWC

Velocity:
4,500fpm

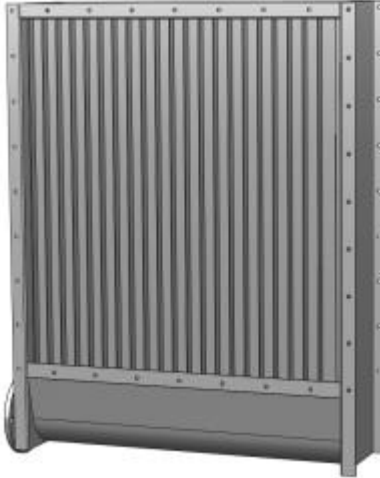
How it works

An internal vortex is created as the air enters through the stationary impeller blades, causing droplets to separate due to centrifugal action. The water is then drained through the tangential drain connection while the rotation of the airflow is stopped upon exiting through the vortex breaker.

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Please see our website for data sheets and ordering details.

Eliminator Blade Separator



Applications

Removes mist from an air stream

Sizes

Inlet and Outlet Size:
**36.00" x 36.00" to
120.00" x 120.00"**

Capacity:
10,600cfm to 90,000cfm

Efficiency Rate:
Application Dependent

Pressure Ratings

Pressure Rating:
15inWC to 50inWC

Velocity:
4,500fpm

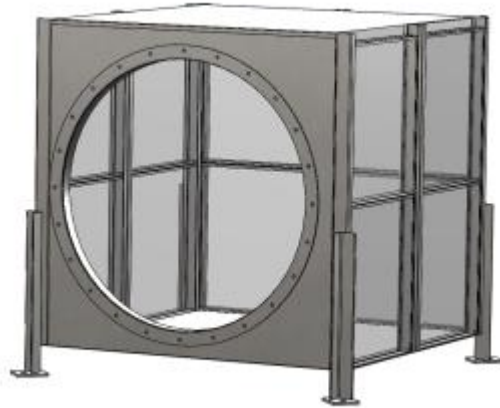
How it works

Air flows through passages between the blades and droplets are caught in extended lips at specialty corners in the passages. The droplets flow downwards to the sump below.

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Please see our website for data sheets and ordering details.

Fan Intake Filter Housing



Applications

Filter the ambient intake air of a fan inlet

Sizes

Capacity:
2,000cfm to 32,000cfm

How it works

Standardized filters slide in from the top and are held in place by the vertical channels. The housing is bolted directly to the fan inlet.

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Please see our website for data sheets and ordering details.

Slide In Filter Housing



Applications

In an airstream where it is important not to interrupt the system operation while filters are replaced

Sizes

Capacity:
2,000cfm to 32,000cfm

Pressure Ratings

Pressure Rating:
15inWC to 50inWC

Velocity:
Up to 6,000fpm

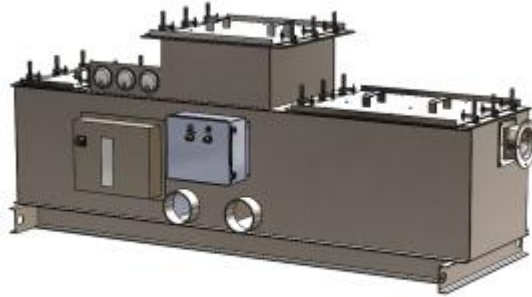
How it works

In the run position, with the cylinder retracted, the blade touches a perimeter seal at the divert port. While in divert mode, with the cylinder extended, the divert port is open and the adjacent port is closed.

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Please see our website for data sheets and ordering details.

Chemical Filtration Unit



Applications

Neutralize corrosive gases or mist for the air intake of an electrical room pressurization system

Sizes

Capacity:
300cfm to 1,200cfm

How it works

Air is drawn through the unit and passes through the bag filters and block heater. Chemical filtration media then neutralizes the corrosive gases and after filters remove any particulate carried over from the media. Pressure gauges indicate the overall condition of the filters and a disposable break through indicator shows when media replacement is necessary.

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Please see our website for data sheets and ordering details.

Direct Air to Water Heat Recovery Unit



Applications

Direct air to water heat recovery and wet scrubbing of process exhaust

Sizes

Capacity:
Up to 200,000cfm

Inlet Temperature:
Up to 800°F

Energy Recovered:
Application Dependent

Pressure Ratings

Unit is **custom built** using customer specifications such as: mass flow of air at inlet, humidity ratio at inlet, and desired outlet temperature

How it works

Hot air enters the bottom section and flows upwards. Shower water is uniformly distributed and falls through the upwards airflow. The air is cooled, moisture condenses out, and particulate is encapsulated in water. The warmed water is removed from the unit. Droplets approaching the outlet are separated from the air stream with the eliminator blade section.

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Please see our website for data sheets and ordering details.

Indirect Air to Water Heat Recovery Unit



Applications

Indirect air to water heat recovery and condensate collection from humid air stream

Sizes

Capacity:
Up to 200,000cfm

Inlet Temperature:
Up to 220°F

Energy Recovered:
Application Dependent

Pressure Ratings

Unit is **custom built** using customer specifications such as: mass flow of air at inlet, humidity ratio at inlet, and desired outlet temperature

How it works

Hot air enters the bottom section and flows upwards through the air to water heat exchanger, where the water inside the exchanger flows in a counter flow serpentine pattern. The air is cooled and moisture condenses out. Droplets approaching the outlet are separated from the airstream with the eliminator blade section. Intermittent cleaning showers help keep the heat exchanger clean.

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Please see our website for data sheets and ordering details.

Air to Air Heat Recovery Unit



Applications

Direct air to water heat recovery and wet scrubbing of process exhaust

Sizes

Capacity:
Up to 200,000cfm
Inlet Temperature:
Up to 220°F
Energy Recovered:
Application Dependent

Pressure Ratings

Unit is **custom built** using customer specifications such as the mass flow and humidity ratio of the coolant and heatant air

How it works

Hot air enters the bottom sump section and flows upwards through the vertical tubes. The coolant air follows a semi counter flow serpentine pattern across the outside of the tubes. The air is cooled, and moisture condenses out. Droplets approaching the outlet are separated from the airstream with the eliminator blade section. Intermittent tube-cleaning showers help keep the heat exchanger clean.

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Please see our website for data sheets and ordering details.

Curved Inspection Port



Applications

Suitable for mounting on ducting or equipment for various dry ventilation systems, including dust control and material handling

Sizes

Door Size:
**8.00" x 8.00" to
20.00" x 20.00"**

Attaching Duct Size:
Customer Specified

Pressure Ratings

Pressure Rating:
-40inWC to +10inWC

Velocity:
Up to 5,000fpm

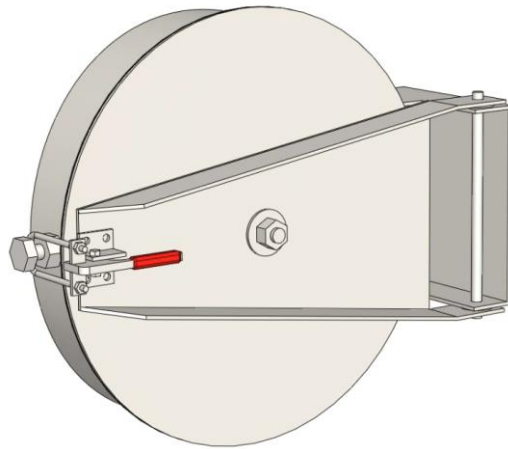
How it works

An easily removable gasketed cover with a hinge is welded to the duct or equipment. It maintains a watertight seal.

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Please see our website for data sheets and ordering details.

Round Inspection Port



Applications

Suitable for mounting on ducting or equipment for various wet ventilation systems

Sizes

Door Size:
10.00" to 22.00"

Attaching Duct Size:
Customer Specified

Pressure Ratings

Pressure Rating:
15inWC to 50inWC

Velocity:
Up to 6,000fpm

How it works

The housing for an easily removable gasketed cover with a hinge is welded to the duct or equipment. It maintains a watertight seal.

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Please see our website for data sheets and ordering details.

Pressure Relief Port



Applications

Prevent failure of ducting or equipment due to flooding

Sizes

Door Size:
**12.00" x 16.00" and
18.00" x 24.00"**

Attaching Duct Size:
Customer Specified

Pressure Ratings

Pressure Rating:
15inWC to 50inWC

Velocity:
Up to 6,000fpm

How it works

The housing for an easily removable gasketed cover with a hinge is welded to the duct or equipment. It maintains a watertight seal unless the duct or vessel becomes flooded with water, which then it will open to spill the water.

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Please see our website for data sheets and ordering details.

Round View Port



Applications

Suitable for mounting on ducting or equipment for various types of ventilation systems

Sizes

Door Size:
18.00" and 24.00"
Attaching Duct Size:
Customer Specified

Pressure Ratings

Pressure Rating:
15inWC to 50inWC
Velocity:
Up to 6,000fpm

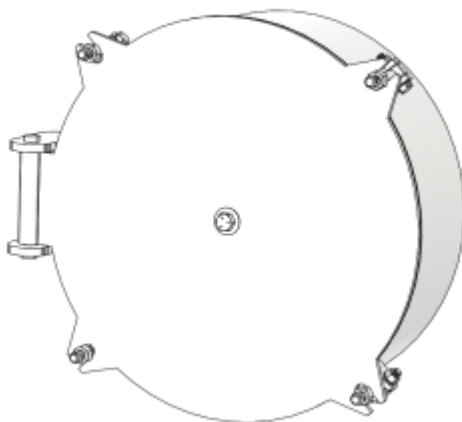
How it works

The housing for an easily removable gasketed cover with a hinge and viewing glass is welded to the duct or equipment. It maintains a watertight seal.

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Please see our website for data sheets and ordering details.

Bolted Inspection Port



Applications

Diverting airflow

Sizes

Inlet, Outlet, and
Divert Size:
8.00" to 60.00"

Pressure Ratings

Pressure Rating:
15inWC to 50inWC
Velocity:
Up to 6,000fpm

How it works

In the run position, with the cylinder retracted, the blade touches a perimeter seal at the divert port. While in divert mode, with the cylinder extended, the divert port is open and the adjacent port is closed.

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Please see our website for data sheets and ordering details.

Axial Absorptive Silencer



Applications

Absorptive type sound attenuation

Sizes

Inlet and Outlet Size:
8.00" to 54.00"

Noise Reduction
Amount:
Application Dependent

Pressure Ratings

Pressure Rating:
15inWC to 50inWC

Velocity:
Up to 6,000fpm

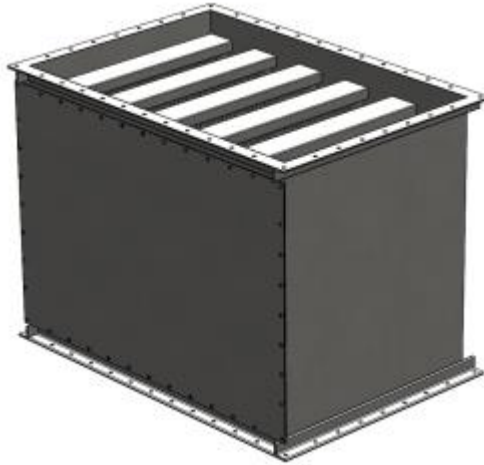
How it works

A housing, perforated on the inside, holds sound attenuating media and it dampens the noise caused by the airflow.

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Please see our website for data sheets and ordering details.

Rectangular Absorptive Silencer



Applications

Absorptive type sound attenuation

Sizes

Capacity:
10,000cfm to 102,000cfm

Noise Reduction Amount:
Application Dependent

Pressure Ratings

Pressure Rating:
15inWC to 50inWC

Velocity:
Up to 6,000fpm

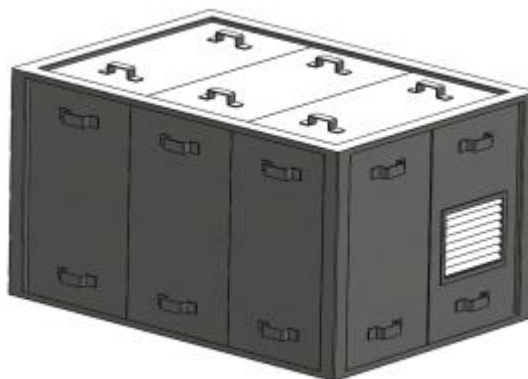
How it works

A housing holds removable panels that are perforated and contain sound attenuating media that dampens the noise caused by the airflow.

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Please see our website for data sheets and ordering details.

Sound Attenuating Enclosure



Applications

Diverting airflow

Sizes

Size:

Custom built

Noise Reduction

Amount:

Application Dependent

Pressure Ratings

The unit is custom built to suit the application

How it works

A housing holds removable panels that have a solid exterior sheet and a perforated inner plate. The noise generating equipment is housed within. Vents are sized to suit internal heat gains and openings are made for piping and other considerations.

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Please see our website for data sheets and ordering details.

Round Isolator



Applications

Isolation between
round duct
connections

Sizes

Inlet and Outlet Size:
8.00" to 68.00"

Maximum Movements:
See Data Sheet

Pressure Ratings

Pressure Rating:
15inWC to 50inWC

Velocity:
Up to 6,000fpm

How it works

A fabric is used to span two flanges and coupled with a metal liner, this allows for a movable piece of duct which is beneficial for various applications.

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Please see our website for data sheets and ordering details.

Rectangular Isolator



Applications

Diverting airflow

Sizes

Inlet and Outlet Size:
**8.00" x 8.00" to
68.00" x 68.00"**

Maximum Movements:
See Data Sheet

Pressure Ratings

Pressure Rating:
15inWC to 50inWC

Velocity:
Up to 6,000fpm

How it works

A fabric is used to span two flanges and coupled with a metal liner, this allows for a movable piece of duct which is beneficial for various applications.

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Please see our website for data sheets and ordering details.

Insulated Round Isolator



Applications

Diverting airflow

Sizes

Inlet and Outlet Size:
12.00" to 120.00"

Maximum Movements:
See Data Sheet

Pressure Ratings

Pressure Rating:
15inWC to 50inWC

Velocity:
Up to 6,000fpm

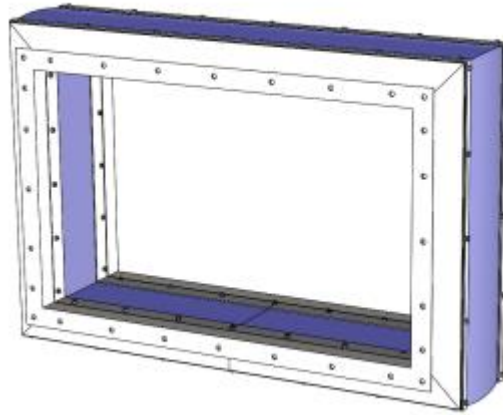
How it works

A fabric is used to span two flanges and coupled with a metal liner and insulation, this allows for a movable piece of insulated duct which is beneficial for various applications.

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Please see our website for data sheets and ordering details.

Insulated Rectangular Isolator



Applications

Diverting airflow

Sizes

Inlet and Outlet Size:
**12.00" x 12.00" to
120.00" x 120.00"**

Maximum Movements:
See Data Sheet

Pressure Ratings

Pressure Rating:
15inWC to 50inWC

Velocity:
Up to 6,000fpm

How it works

A fabric is used to span two flanges and coupled with a metal liner and insulation, this allows for a movable piece of insulated duct which is beneficial for various applications.

VENTILATIONCOMPONENTS.COM

Please see our website for data sheets and ordering details.

Venturi Scrubber



Applications

Removes contaminants from an airstream

Sizes

Capacity:
3,300cfm to 68,500cfm

Efficiency Rate:
**Application
Dependent**

Pressure Ratings

Pressure Rating:
15inWC to 50inWC

Velocity:
700fpm

How it works

A Venturi scrubber operates on the principle of using a Venturi effect to enhance the contact between a gas stream containing pollutants and a scrubbing liquid.

VENTILATIONCOMPONENTS.COM

Please see our website for data sheets and ordering details.

In Line Venturi Scrubber



Applications

Removes contaminants from an airstream

Sizes

Tank Size:
8.00" to 60.00"

Capacity:
1,400cfm to 78,500cfm

Efficiency Rate:
Application Dependent

Pressure Ratings

Pressure Rating:
15inWC to 50inWC

Velocity:
700fpm

How it works

A Venturi scrubber operates on the principle of using a Venturi effect to enhance the contact between a gas stream containing pollutants and a scrubbing liquid.

VENTILATIONCOMPONENTS.COM

Please see our website for data sheets and ordering details.

Our commitments to quality, service, and fair prices are guaranteed.

Larger sizes, higher pressure ratings, and many types of customizations for all components are available upon request.

We are glad to help find the right components with the right specifications for your application.

Please see our website, www.VentilationComponents.com, for data sheets and ordering details.

Thank you

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