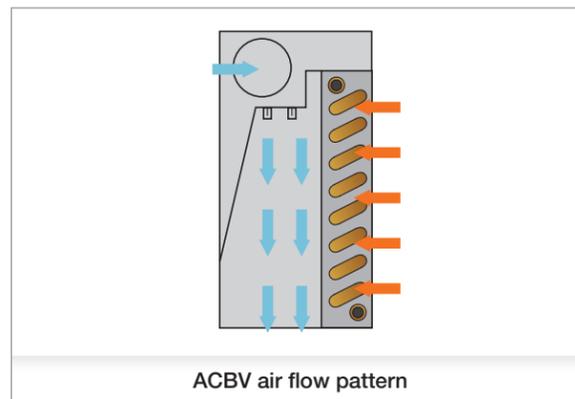


ACBV

Vertical Active Beam

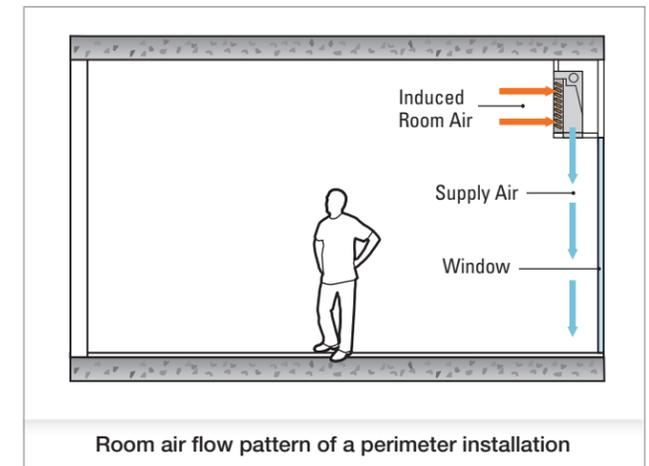
The Price Vertical Active Beam, ACSV, offers a variation to the Horizontal Active Beam. Like the horizontal unit, the ACSV combines primary supply air and induced air; however, this combined air is discharged vertically into the occupied zone. The ACSV is designed with a narrow, slim profile, making it ideal for narrow spaces or wall installations.



Ideal for Ceiling Perimeters

The narrow profile of the ACSV makes the unit best for installation in narrow, tight spaces along the perimeter. The flexibility to integrate with various grille types allows for a continuous, minimized look in the space.

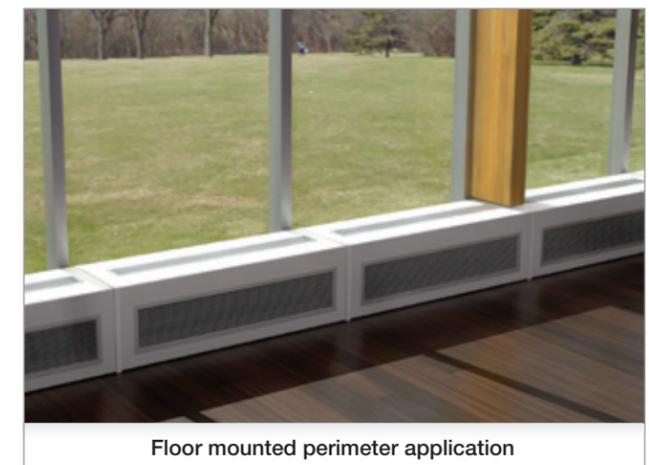
- Narrow profile
- Diverse line of grilles to integrate with the product
- Continuous look



Exposed and Concealed Floor Mounted Perimeters

If ceiling space is not available, the ACSV can be easily installed into existing cabinets or built with an optional exposed cabinet. A drain pan can be integrated with the ACSV when a safeguard is required.

- Heating and cooling capability
- Drain pan compatible
- Lint screen option



Perfect for Retrofitting

With many old buildings being updated to meet today's high building standards, an emphasis on updating HVAC mechanical systems is of importance. The ACSV works well in these applications, retrofitting old induction and fan coil units without disturbing the original space and also increasing the energy efficiency of the system.

- Retrofitting old products
- Increased energy efficiency
- Customization



Product Information

Models

Vertical Active Beam **ACBV**

The Price Vertical Active Beam, **ACBV**, induces plenum return air through the heat exchanger and mixes with primary air from the nozzles. The air is then discharged vertically downward or horizontally through a supply grille. The ACSV can be installed in-ceiling, in-wall, or exposed mounted applications with upward or downward discharge. It can also be coupled with a grille or slot diffuser. The ACSV is ideal for perimeter installations along walls and It is an excellent retrofit for induction units.

Features

- Return inlet and supply outlet discharge option
- 2 or 4 pipe configuration
- Low profile design
- Exposed or concealed mounting
- Quiet operation
- Internally painted black (exposed unit) or mill (concealed unit) hides internal beam elements
- Pressure port for air side balancing and flow verification

Casing Construction

- Steel plenum
- White powder (exposed) or mill (concealed) coat finish

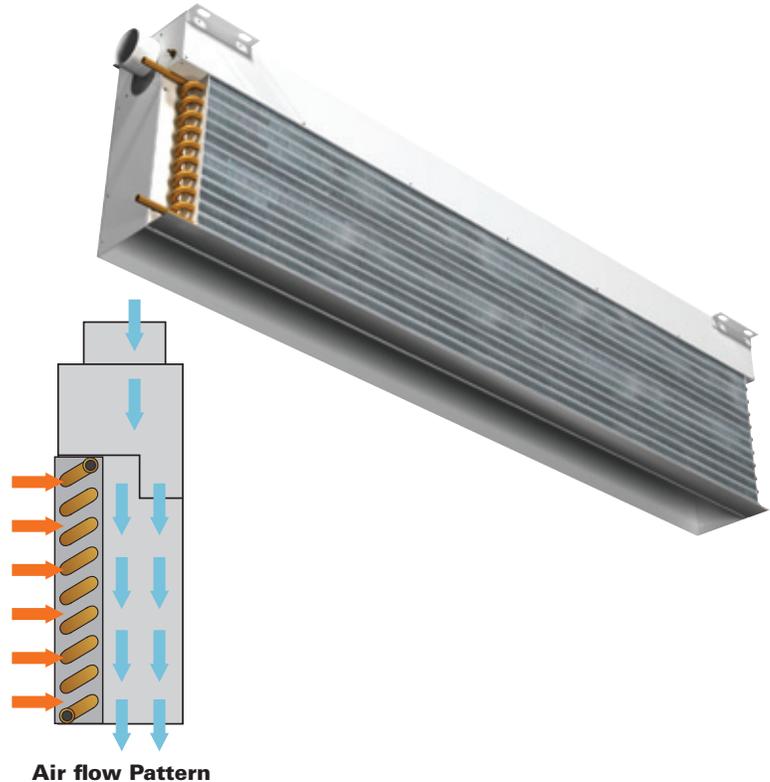
Water Coil Construction

- Aluminum fins
- Manufacturer pressure tested to 450 psi [3.1 MPa]
- Vent and drain

Water Connection Type

- Standard Connection Options:
 - 1/2" [13mm] SWT
 - 1/2" [13mm] NPT (female)
- Other connection types available

ACBV

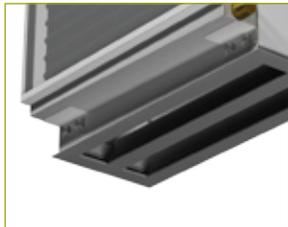


ACBV Installed in Bulkhead

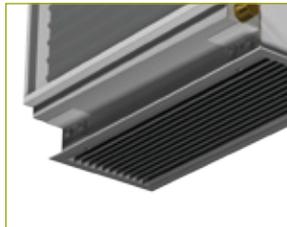


Product Options

- Optional linear vane (LV1 Series) or slot diffuser (JS Series) discharge outlet.
- Optional bar grille (LB Series) return inlet.
- Optional drain pan for condensate collection.
 - It is uncommon to operate active beams below dew point.
- Optional lint screen for return air inlet to assist in the prevention of dirt accumulation in the coil.
- Optional internal and external insulation for thermal barrier and sound attenuation.
- Optional volume flow regulator maintains constant air flow at plenum pressure required for active beams to operate at design conditions.



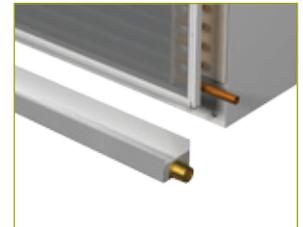
Slotted Face



Grille Face



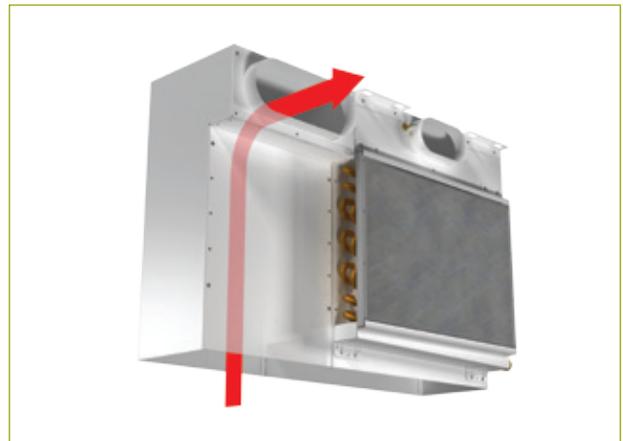
ACBH Lint Screen



Drain Pan

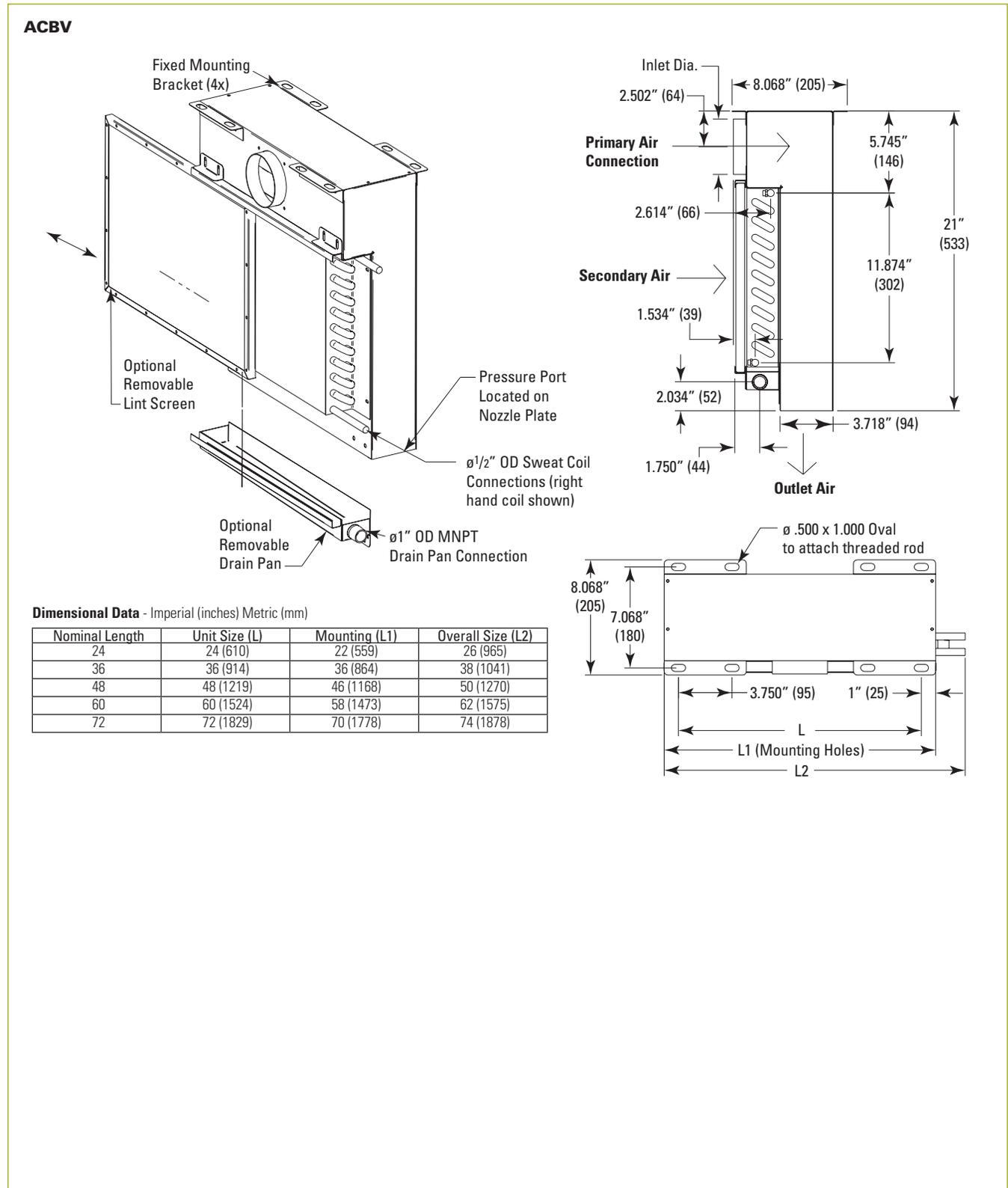


Exposed Casing



Return Grille Inlet

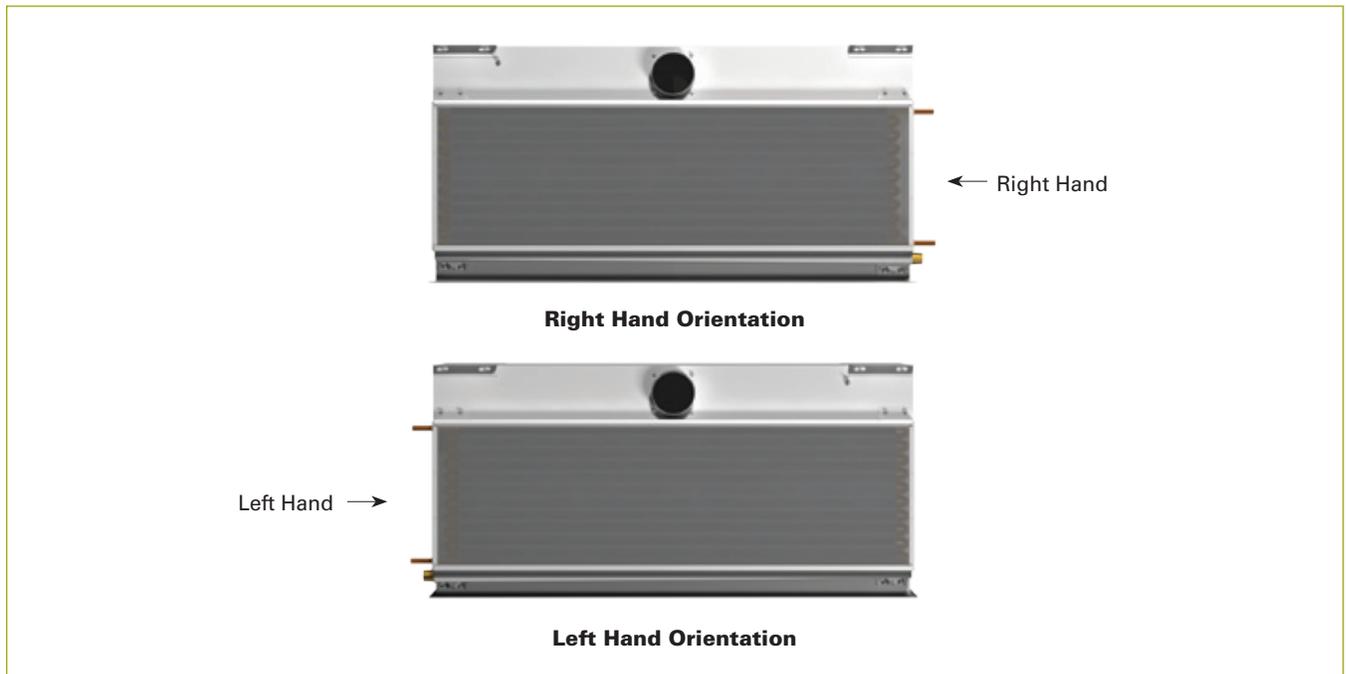
Dimensional Data



All Metric dimensions () are soft conversion.
Imperial dimensions are converted to metric and rounded to the nearest millimetre.
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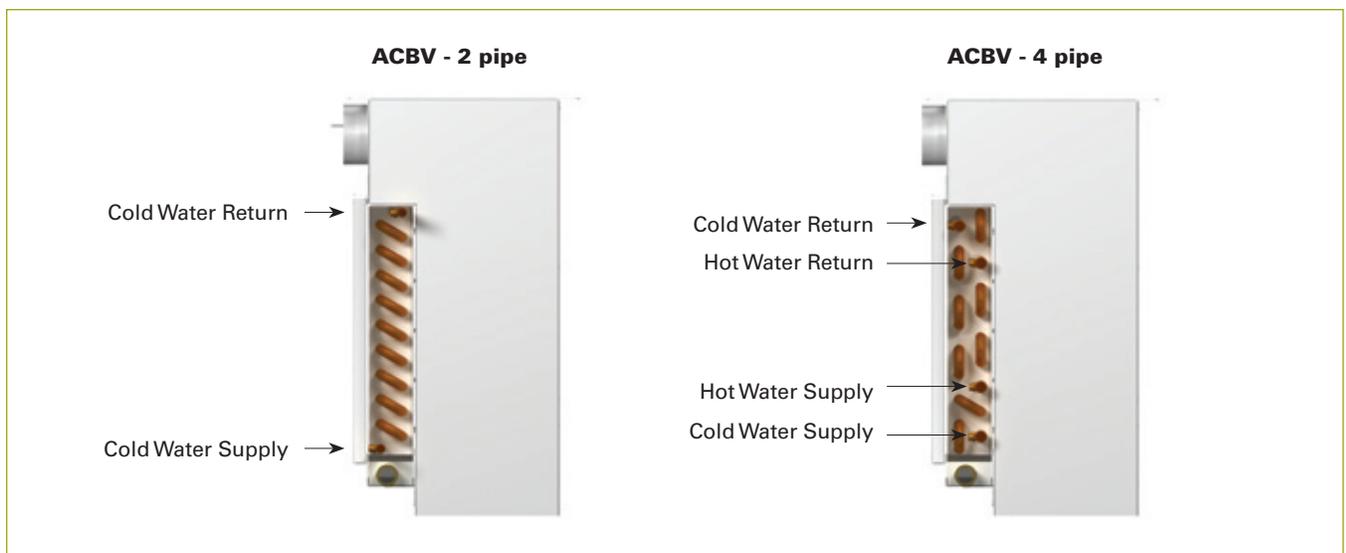
Unit Handing

Typically, handing is determined by looking into the return air flow inlet, following it out the supply air outlet, and locating what side the coil connections are on.



Coil Connection Location

ACBV active beams are installed with a 2 row water coil, available in 2 or 4 pipe configuration, and come standard with vent and drain. Single or dual circuiting is available for various water flow rates. All connections are 1/2" [13mm] nom. copper sweat or female NPT.



Installation

ACBV

ACBV active beams come standard with two slotted mounting brackets in total along the top/bottom (depending on discharge orientation) of the unit.

Confirm all opening sizes and location prior to installation.

When handling the active beams, we recommend the use of clean white gloves to avoid smudging the unit. The beams are installed using threaded rod, carabineer, hanger wire, wire rope, or wall screws (by others) as per local building codes. The hanging device used should allow for vertical adjustment.

Grill and slot diffusers are to be attached as per the relevant product installation instructions.

Connection to the water coil can be made with soft copper, male NPT connection, or with push-on connectors.

ACBV

