

ACBM

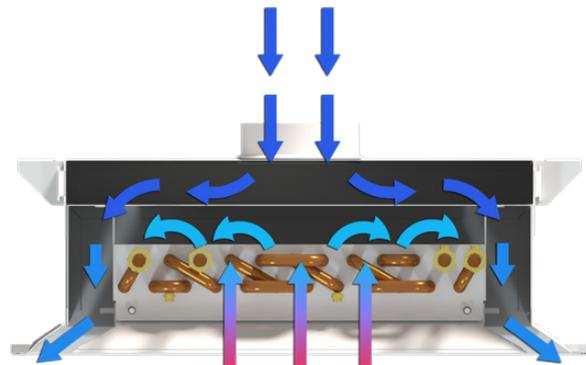
MODULAR ACTIVE CHILLED BEAM



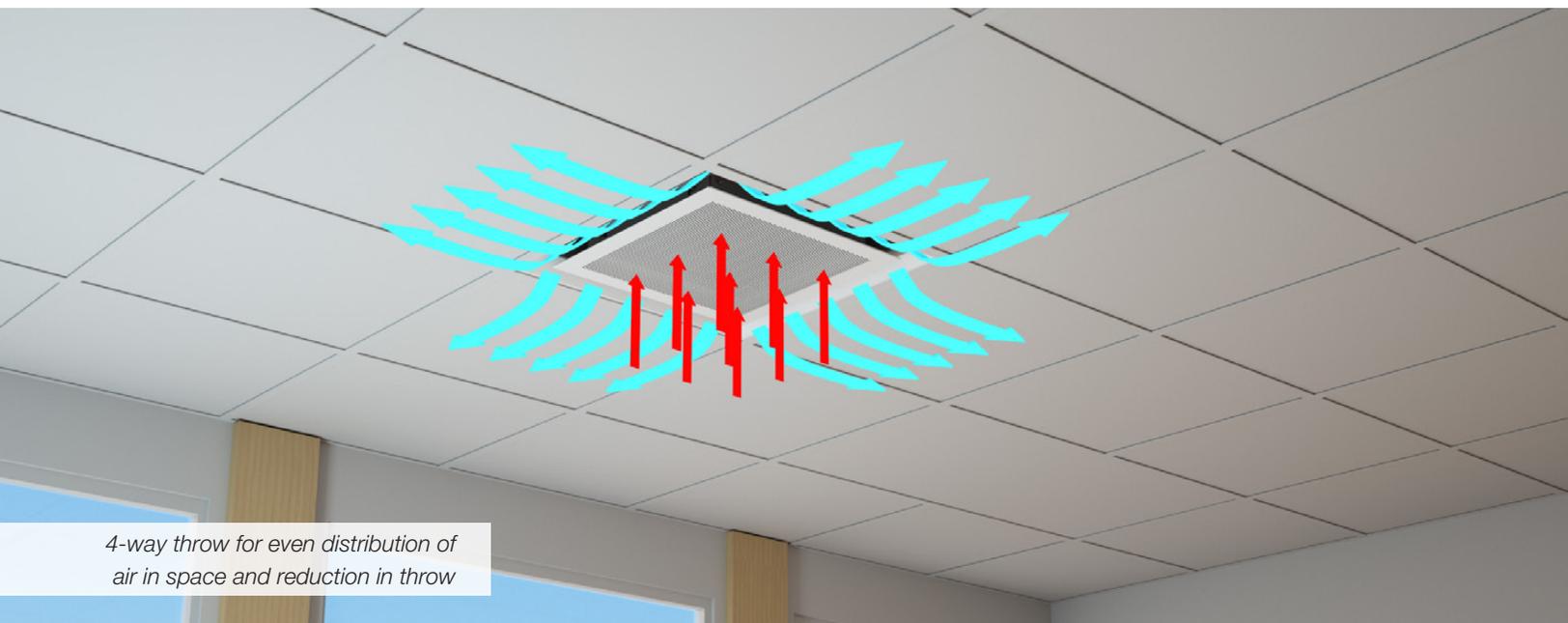
ACBM

Modular Active Chilled Beam

The Modular Active Chilled Beam (ACBM) provides high transfer efficiencies, allowing the designer to maximize the beam capacity while minimizing the primary airflow rate. The ACBM induces room air through the heat exchanger, mixes it with supply air, and delivers the combined air streams into the occupied zone via slots along the perimeter of the beam. The low profile design of the ACBM allows for reduced ceiling plenum heights or minimal clearance requirements for exposed installations. The ACBM is a perfect application for small enclosed spaces. The 4-way discharge of the ACBM offers a comfort advantage over similarly sized linear active beams due to the reduction in throw. The ACBM provides a more traditional aesthetic while also offering an efficient, comfortable, and lower maintenance alternative to more traditional systems.



ACBM airflow pattern

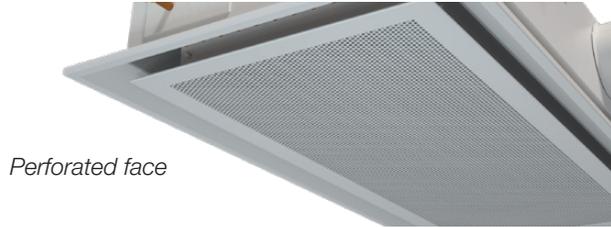


4-way throw for even distribution of air in space and reduction in throw

AESTHETIC OPTIONS

Perforated Face – Greater than 50% free area facilitates the induction process.

Grille Face – Provides linear aesthetics for alternate styling options.

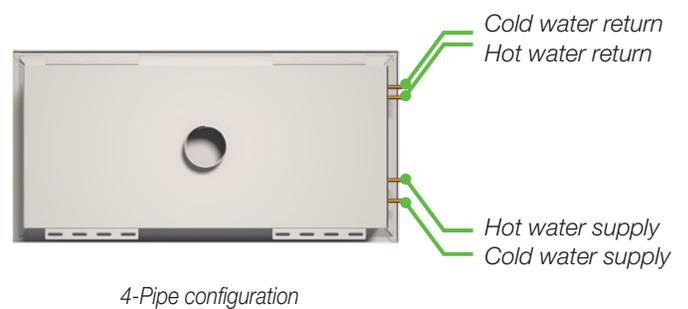
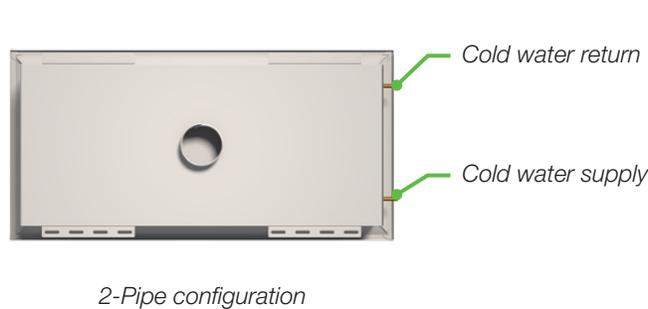


WATER COIL OPTIONS

The ACBM is available with two water coil configurations.

2-Pipe Configuration – Can be used in heating or cooling applications.

4-Pipe Configuration – Includes dedicated circuits for heating and cooling.



DAMPER OPTIONS

Three damper options allow for fine tuning of static pressure.

Volume Flow Regulator (VFR) – System powered pressure independent airflow regulator.

Manual Quadrant (MQ) Damper – For onsite fine tuning.

VAV Damper – Can be electronically actuated for VAV applications.



Volume Flow Regulator



Manual Quadrant Damper



VAV Damper



APPLICATIONS

Office Buildings

- + Typically installed in private offices, storage rooms, and conference rooms.
- + Can be utilized in interior zones including open office areas.

Healthcare

- + Typically installed in patient rooms and administrative areas.
- + Small footprint of the beams and ductwork can lead to additional usable space.

K12 Schools

- + Multiple space uses available including libraries, classrooms, offices, and corridors.

Post Secondary

- + Multiple space uses available including libraries, classrooms, offices, lecture hall, and corridors.
- + Excellent waterside efficiency opportunity by utilizing the district loop from the central plant to supply the water to the beams.

Laboratories

- + Beams are typically applied in load driven labs.
- + 4-way discharge to reduce throws in small footprint layout.
- + Can be utilized in open lab space areas or in lab alcoves.

ZONE CONTROLLER

With the Price Intelligent Controller for Hydronic Applications (PIC-HP), Price now offers control of both the air side and the water side at the zone level. A wide variety of standard sequences are available depending on the desired control method. This systems brings multiple control points into one location allowing substantial cost savings with Chilled Beams systems. These controls are available with BMS integration over BACnet.



Check PIC-HP catalog
for sequences



PIC-HP Control Sequences

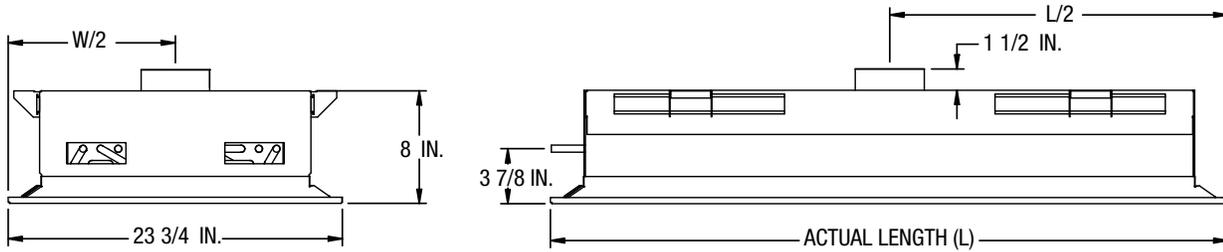
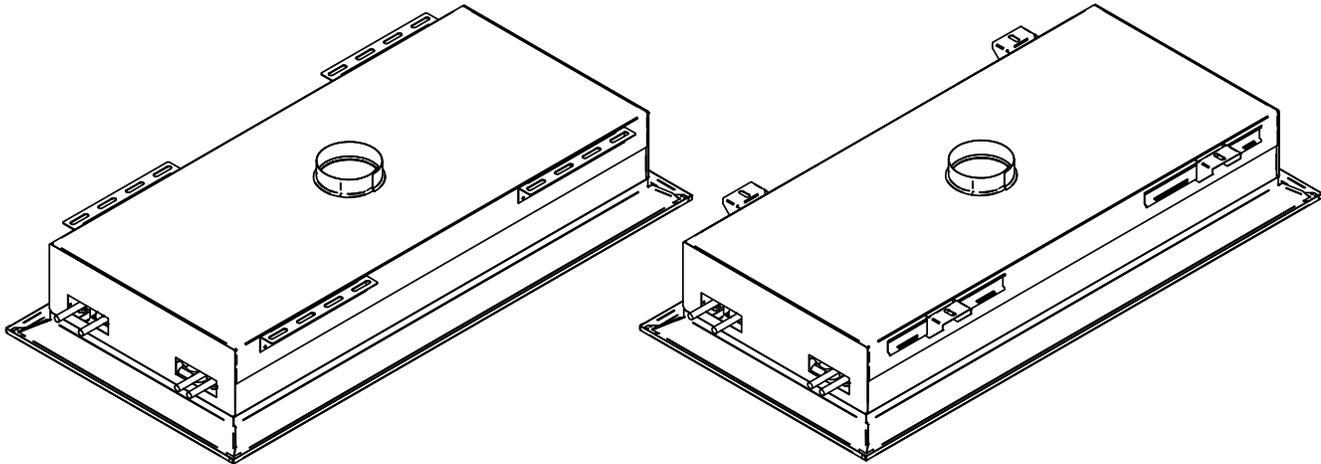


DIMENSIONAL DATA

Top Inlet

Fixed

Adjustable



Nominal Width	Actual Width (W)
24	23.750

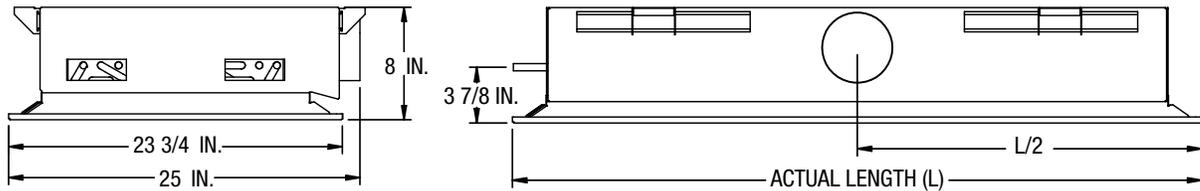
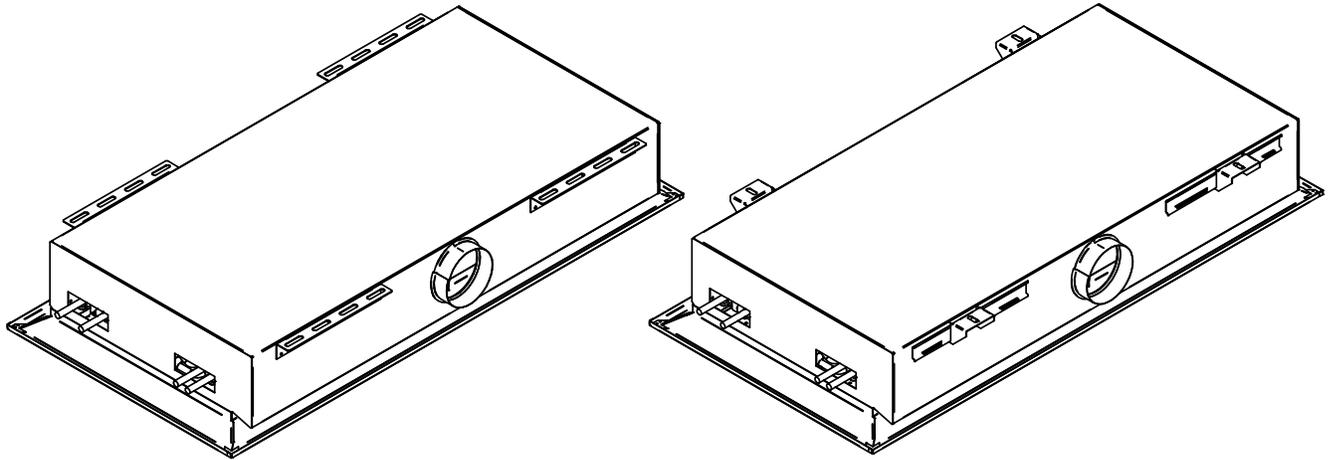
Nominal Length	Actual Length (L)
24	23.750
48	47.750

DIMENSIONAL DATA

Side Inlet

Fixed

Adjustable



Nominal Width	Actual Width (W)
24	23.750
Nominal Length	Actual Length (L)
24	23.750
48	47.750



Product Improvement is a continuing endeavour at Price. Therefore, specifications are subject to change without notice. Consult your Price Sales Representative for current specifications or more detailed information. Not all products may be available in all geographic areas. All goods described in this document are warranted as described in the Limited Warranty shown at priceindustries.com. The complete Price product catalog can be viewed online at priceindustries.com.