

## Introduction: Active Chilled Beams

The *Krueger by Halton* active chilled beams are water assisted air distribution devices designed to maximize on thermal comfort, indoor air quality, and energy savings. They accomplish this through the combined use of pressurized supply air, sensible cooling or heating water coils, and induced room air.

These devices are best suited for use in areas such as office buildings, health care facilities, or any other type of building with open spaces or individual offices. Active chilled beams work in rooms with up to 12 ft. ceilings and where both heating and cooling may be needed. They are available for both lay-in and exposed mounting applications in various widths and lengths, making them a flexible option for just about any architectural preference. Low sound levels coupled with peak energy efficiency make these chilled beams the ideal choice for not only new building construction, but retrofit projects as well.

### MODELS

- ASB - Active High Capacity
- ABD - Active 12" Wide Sustainable
- AHH - Active Bulkhead
- AHB - Active Bulkhead, Booster Fan
- ABH - Active Corner Mounted, Exposed
- ABX - Active 4-Way Discharge

### STANDARD FEATURES

- Standard finish is Polyester Painted White (RAL 9010).
- Combined cooling and heating coil.
- 2 and 4 pipe coil configuration.
- Cooling/heating water pipe connections are copper 1/2" and 3/8" diameter, respectively.
- Aluminum fins on water coil.
- Multiple nozzle sizes available for demand based performance.
- 1-way and 2-way supply.
- Perforated, hinged access panel for easy room side access to coil.
- 20 gauge, galvanized steel casing.
- 5" diameter primary air duct connections. (6.4" on ASB, 4" on ABD)
- Low sound levels.
- *Krueger by Halton* Velocity Control (HVC). (Available on most active models)



*Open Office Application*



*Bulkhead Application*

### PERFORMANCE DATA:

Unlike a typical grille, register, or diffuser; chilled beams have a level of complexity which demands a more robust presentation of performance. Download KHIT, our chilled beam software, from our website at [www.krueger-hvac.com](http://www.krueger-hvac.com). This powerful tool provides an accurate representation of a given product's performance. Each input allows you to understand the room and/or unit performance based on your exact input parameters. For further assistance in selecting or specifying *Krueger by Halton* chilled beams, contact your local representative or send us an email at [kruegerinfo@krueger-hvac.com](mailto:kruegerinfo@krueger-hvac.com).

### Introduction: AHH

The AHH bulkhead chilled beam is the ideal solution where horizontal throw is required. These chilled beams are typically located in a soffit, but are not limited to this location. In some applications, this model can serve as a great alternative to fan coils. It also has several options available to meet different engineering requirements and building needs.

#### MODEL

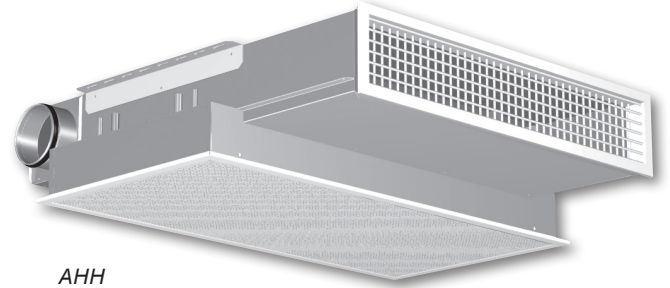
AHH - Active Bulkhead

#### FEATURED OPTIONS

(See STANDARD OPTIONS on Page C3-17)

- 3 nozzle sizes available.
- Right, left, or middle duct connection.
- Right or left water coil connection.
- Aluminum or steel double deflection grille.
- Custom color matching available.
- Adjustable or max flow limit control valve with 24V or 230V\* actuator (factory mounted or shipped loose).

\* Other voltages available on request.

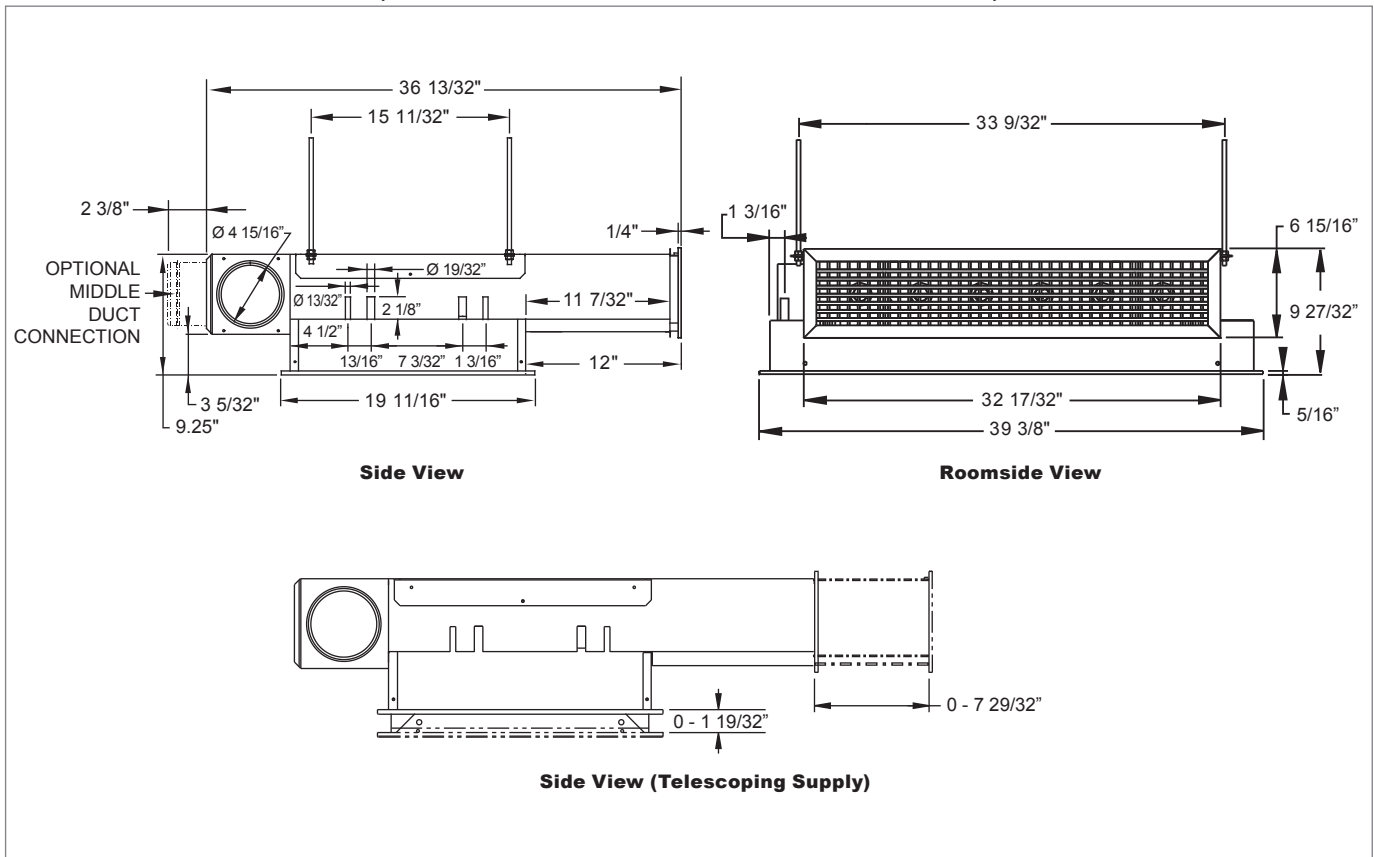


AHH

CHILLED BEAMS

### AHH Dimensional Information

#### AHH ROOMSIDE & SIDE VIEWS (LEFT-HAND DUCT AND COIL CONNECTION SHOWN)



NOTES: All dimensions in inches. Cooling/heating water pipe connections are copper 1/2" and 3/8" with a wall thickness of 0.04". The maximum operating pressure of chilled/hot water pipework is 150 psi. Control valves are delivered factory fitted or loose. If control valves are factory fitted, the location of the pipe connections cannot be changed on site. Aluminum or steel double deflection supply grille for room air flow discharge control.