

## Introduction: AFC

The *Krueger by Halton* AFC is ideal for low velocity 360° discharge patterns. The AFC can provide large airflow rates and is ideal for central spaces or column type applications. The detachable face facilitates cleaning of the internal baffle and duct connections.

### MODEL

AFC - Round, Low-Velocity Supply Unit

### FEATURES

- 20 gage front panel.
- Horizontal low velocity discharge at floor level, suitable for mid-space applications.
- Flow pattern at an angle of 360° enables large airflow rates with low residual velocities in the occupied zone.
- Detachable front plate and removable baffle enables cleaning of the unit and duct work.
- Round duct connection with integral rubber gasket on top or bottom of the diffuser.

### OPTIONS

- Stainless Steel (AISI 316) Design
- 16 gage front panel.
- Duct cover (solid or perforated).
- Installation base (2", 4", 6").
- Vinyl trim in white or black.
- Metal trim (painted to match).

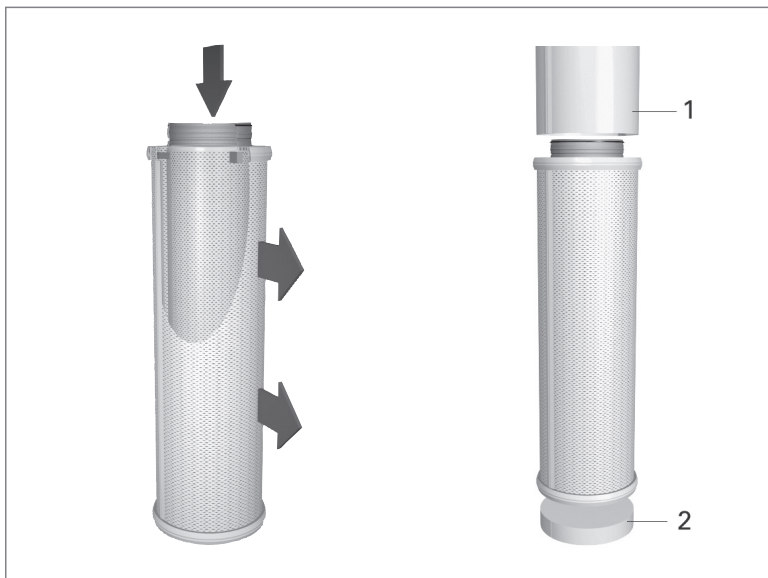
### FINISHES

- Standard is Polyester Painted White (RAL 9010).
- Custom colors available.



AFC

## AFC Application & Installation



### FUNCTION

Air is discharged into the space through the front panel of the unit, normally at a slightly lower temperature than setpoint.

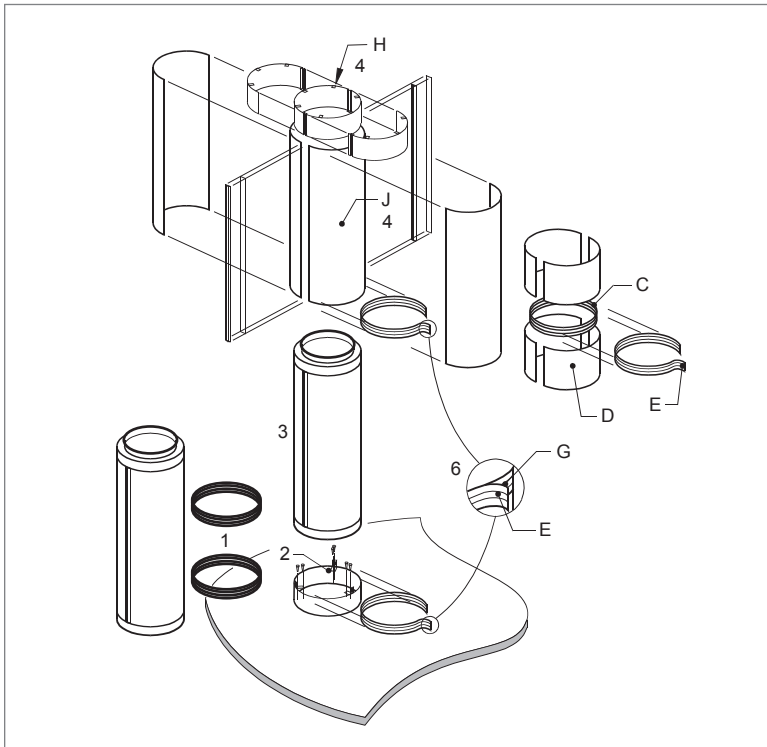
The supply air flows at floor level and gradually pervades through the occupied space before rising due to the convection of warm surfaces.

The low velocity flow is a circular forward directed pattern (360°).

*NOTES: The flow pattern data has been defined for floor installation. (1) Duct cover is for covering the duct work and is optional. (2) Installation base is used to raise the unit off the floor and is also optional.*

**AFC Installation**

**INSTALLATION EXPLODED VIEW**



**INSTALLATION**

Perform the installation in order.

1. Remove trim (E) from unit.
2. Locate base in position on floor and secure in place with angle brackets (3 places equi-spaced).
3. Locate unit onto base.
4. After installation of duct work locate duct cover as follows: Position top sections (H) together against ceiling and fix into position. Locate main sections (J) on top flange of unit and secure to top sections.
5. Secure duct cover with screws.
6. Re-fit trim between duct cover and unit, and between base and unit by bending trim back on itself (E) and pressing bead into groove in flange (G). When multiple sections of duct cover are used (D), an aluminium coupling flange (C) is needed.

DISPLACEMENT VENTILATION

**AFC Service & Maintenance**

**SERVICING**

Open the front panel (2) by first removing the trim (1) and unscrewing the screws. Pull out the front panel. If required, the internal baffle (3) can be detached by unscrewing the fixing screws. Pull out the inner structure.

Clean the parts with a brush or damp cloth, instead of immersing water. After cleaning, reassemble in reverse order.

Code	Description
1	Trim
2	Front Panel
3	Internal Baffle
4	Casing

