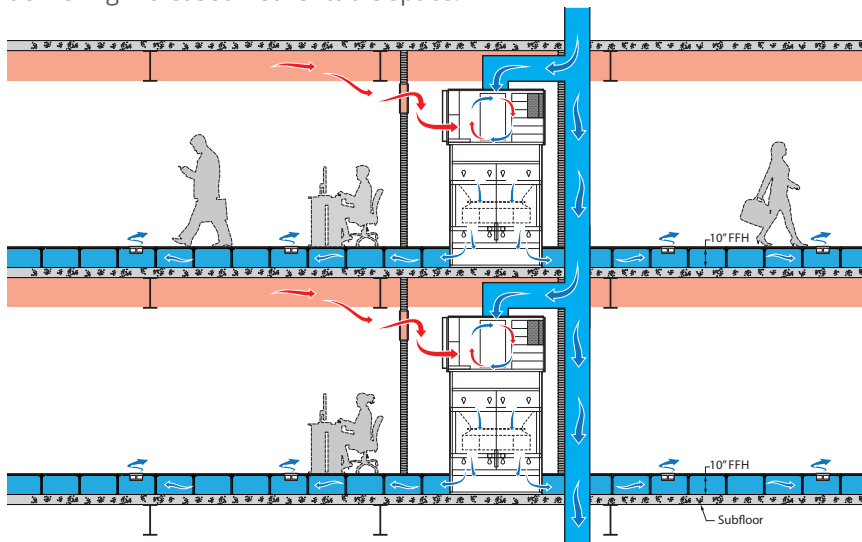




Global IFS provides a comprehensive system of underfloor air components designed to meet the requirement of today's high performance new construction and retrofit applications.

The first underfloor air systems were developed over 50 years ago as an economical and more efficient alternative to traditional overhead air delivery. UFAD systems are now widely used in Europe, Asia and North America.

Underfloor air distribution systems have been shown to use 25-33% less operational energy and improve comfort of occupants in the space as compared to overhead air distribution systems. The conditioned air is supplied directly into the occupied space at 62 to 65 degrees and at a pressure that is typically 20 times less than overhead systems. UFAD systems consume less energy by moving low velocity air through the open floor plenum compared to higher velocity traditional overhead ducted systems. Underfloor air systems deliver improved indoor air quality values by naturally displacing contaminants from the occupied space directly to ceiling returns. Individual control of floor based diffusers provide improved personal comfort resulting in higher workforce productivity compared to typical overhead mechanical systems. Additionally, the compact footprint of the Global IFS Vertical Air Tower efficiently utilizes floor space delivering increased net rentable space.



BENEFITS

- Lower mechanical system first cost.
- Lower energy and maintenance costs resulting in lower overall life-cycle energy usage.
- Improved air quality because conditioned air is delivered directly into the occupied zone and efficient removal of particulates
- Improved employee productivity

Air Towers

- Quieter than conventional overhead systems and horizontal air handling equipment.
- Increased tenant rentable space by utilizing smaller mechanical closets than conventional horizontal air handling systems

AIR TOWER



Provides the optimal solution to furnish supply air into the raised access floor plenum.

- Can be used with or without primary cooling.
- Allows integration with renewable systems such as geothermal heat pumps or smaller chillers to maximize efficiencies.
- Multiple Air Tower configurations are possible:
 - Mixed Flow Air Tower
 - Environmental Air Tower
 - Dual Path Air Tower

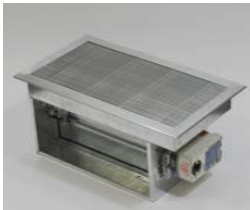
VORTEX SWIRL DIFFUSER



Delivers low velocity conditioned supply air through the floor directly into the occupied zone.

- Manually adjustable or thermostatically controlled diffusers are available.
- 80 CFM personal control module for interior zones and workstations.
- 110 CFM model for private office and conference rooms.

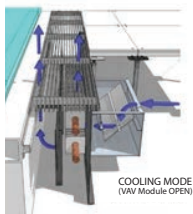
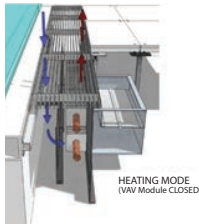
RECTANGULAR DIFFUSER



Provides a complementary look for architectural interiors using an aluminum bar grill.

- Perimeter models target solar loads and heat loss.
- VAV thermostat or sensor control.
- Gasketed for air leakage control.
- Finish is a durable extruded aluminum or custom powder coat.

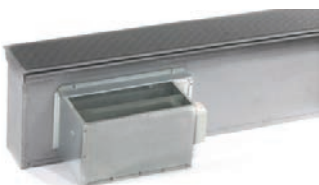
CONTINUOUS LINEAR PLENUM



Provides heating and cooling at the building perimeter accommodating temperature ranges in any climate.

- Modular kit creates a separate and continuous plenum zone.
- Can be installed under access floor.
- Delivers significant energy & operational savings.
- Accommodates heating fin tube and VAV controlled damper.
- Finish is a clear, anodized or custom powder coated grills.

SEGMENTED LINEAR DIFFUSER



Provides an alternate design for heating and cooling within an occupied space.

- Available from 180 to 250 CFM ducted or non-ducted models.
- Optional VAV dampers easily connect to central building control.
- Gasketed for air leakage control.
- Finish is durable extruded aluminum, clear, anodized or custom powder coat.