



TRIAD™ Slotted ICE™ Airflow Panel

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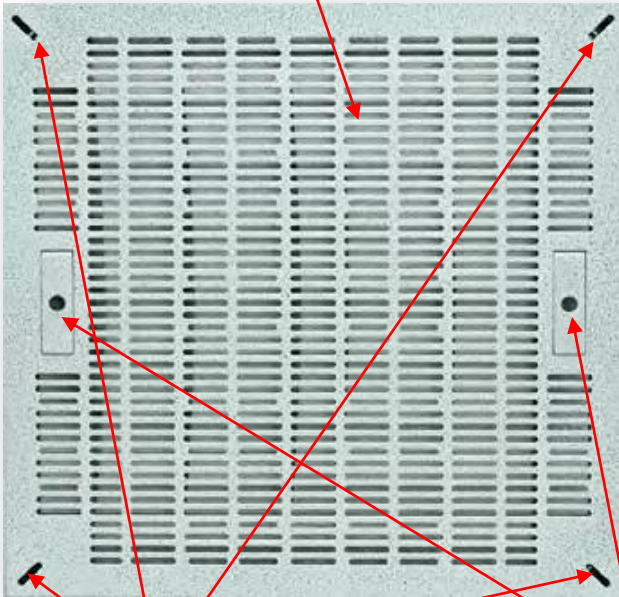
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PASSIVE ENERGY EFFICIENT COOLING

Introducing Triad's New Fit-All slotted ICE™ Airflow Panel Providing the Industry's Leading Data Center Air Utilization Efficiency (AUE)

Chamfer Multi-Dispersion

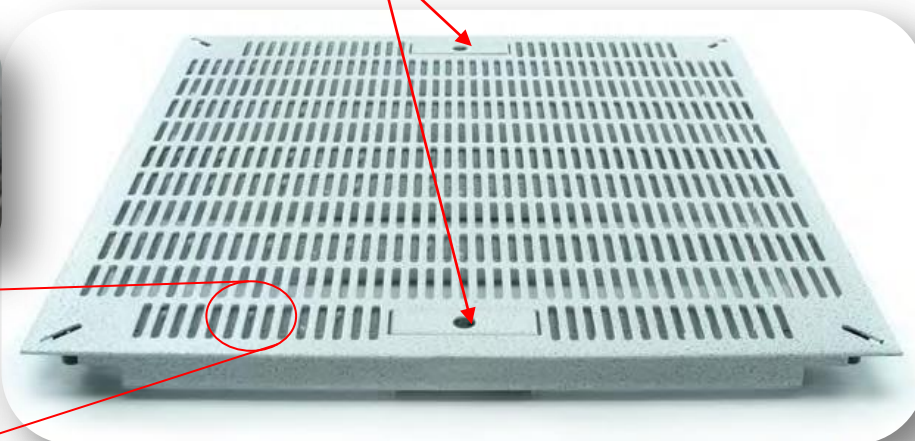
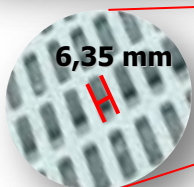
Hi-Plume Stratification Fin



TopSet Leveler Adjusters

Dual Lift-n-Lock Integrated Handles

Actuating Frame/Level "Vertical and Horizontal" Adjustment



SLOTTED ICE™ AIRFLOW PANEL

Medium to Heavy Load Ratings Available
Fit-All Design fits all floor systems



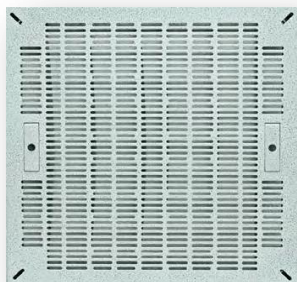
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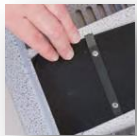


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Triad's (ICE) Airflow Panel systems are the ideal solution for data center, server farm and hotspot cooling. Triad's patented & patent pending High Density Airflow Panel delivers 2-3 times more CFM than industry standard perforated airflow panels. This heavy duty steel airflow panel features between 680 to 1.493 kg load rating, a hardened textured finish with optional built in actuating frame levelers and integrated panel handles. Triad's Patented Fit-All design will fit into most existing raised access floor systems providing the most flexible and low maintenance raised access floor system in the industry.

MODEL	LOAD RATING	AVAILABLE FEATURES
15TSM	680 kg	Dual handles Horizontal & vertical levelers(provided with 20 & 50 mm levelers) Size 600 x 600 mm <u>Options :</u> <ul style="list-style-type: none"> • Row damper • OPD damper • PowderPlate finish (8 colors) • Fit-All system
30TSM	1.360 kg	
40TSM	1.493 kg	
OPTIONAL ACCESSORIES		DESCRIPTION
Lift-N-Lock®		Lift-N-Lock dual security assemblies provide restricted access from top or bottom panel removal to approved personnel only.
Individual Air Baffle		Baffles are available in full row length or half length. Snap in & out.
Slide Damper		Slide damper mounts the same as OPD and adjusts by use of screw driver from top surface. Like all slide dampers airflow restricted up to 50% even in full open position.
Opposed Blade Damper		Opposed Blade Damper may be field or factory mounted by crimping tab into frame insert. Damper is adjusted from top surface by engaging screw driver into rotating adjuster and adjusting to desired setting. Opposed Blade damper restricts less than 10% airflow in full open position.











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TRIAD™ STATIC DISSIPATIVE TEXTURED POWDERPLATE COATINGS							
These color samples are representative only and will vary from the actual color depending on the computer monitor or printer used to view them. For accurate color, gloss and texture sample contact Triad. Conductive and chemical resistant coatings are available upon request.							
							
Beige Flek	Brown Flek	Crystal White	Grey Flek	Luna	Aggregate	SandStone	Genesis

Installation tools needed :



5 mm Allen wrench



10 mm socket (or crescent)
wrench



Long-handle flat-blade
screwdriver

Loosen 10mm lock tight nut/nuts and position Actuating Frame Levelers horizontally to desired width to fit securely to adjacent raised floor panels or stringers, re-tighten lock tight nut/nuts. Loose fit will allow panels to shift.



Use socket or crescent wrench to adjust
Actuating Frame



Actuating Frame
Leveler: **CLOSED**



Actuating Frame
Leveler: **OPEN**

Adjust 5mm Allen leveling screw vertically to match existing raised floor panels traffic surface. Uneven leveling creates potential for trip hazard.



Use Allen key to adjust leveling screws





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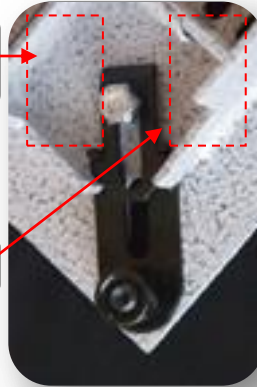
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Re-verify panel is horizontally secure to adjacent floor panels/stringer system, Allen leveling screw is properly leveled and adequately supported by pedestal head/understructure.

Caution: Load ratings will significantly decrease depending upon type of understructure & final vertical/horizontal positioning of Actuating Frame Leveler. Industry standards do not recommend rolling loads over airflow panels without substantial protection or additional panel support.

Additional Support is recommended when Actuating Frame Leveler fully extended.

Additional Support Pedestal Location



For installations that require Actuating Frame Leveler to be FULLY EXTENDED or REMOVED, additional pedestal support should be added at corners locations as shown. Concentrated load rating decreases to 363 kg when Actuating Frame Leveler FULLY EXTENDED.

Air Stratification Positioning: To improve Upper Server cooling, position scoop of Hi-Plume fin towards source of air supply. To reduce Upper Server cooling, turn scoop of Hi-Plume fin away from source of air supply.



To **INCREASE** airflow,
position scoop of Hi-Plume fin
towards air supply



To **DECREASE** airflow,
position scoop of Hi-Plume fin
away from air supply

Individual Air Baffle: Baffles are available in full row length or half length. Snap in & out.



Individual Air Baffles snap in and out



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TRIAD OPPOSED BLADE DAMPER Opposed Blade Damper may be mounted by rotating butterfly tab or using threaded screw inside frame insert. Dampers adjustment from top surface by engaging screw driver into rotating adjuster and adjusting to desired setting.



Damper fits
down over
airflow panel

Metal tabs
bend into
frame
openings



Damper may be mounted by rotating
tab inside frame insert



Damper adjustments can
be made while the floor
panel is still in place

TRIAD SLIDE DAMPER Slide damper mounts the same as OPD and adjusts from top surface by use of screw driver.



Use flat-blade screwdriver
to adjust the Triad Slide
Damper