

# DAMPERS

Facility Monitoring

## FINE-TUNED AIRFLOW CONTROL

**01 APPLICATIONS:** While our chamfer and slotted panels include our patented stratification fin, the addition of dampers can help adjust airflow down to the individual server level.

All of our damper options attach onto the bottom of the floor panel and allow you to adjust the airflow through the top of the panel.

### 02 EMBEDDED SLIDE DAMPER:

- Field or factory install
- Top surface adjustable
- 50%-70% airflow at maximum open setting
- More restrictive than the opposed blade damper



### 03 OPPOSED BLADE DAMPER:

- Field install
- Top surface adjustable
- Provides the most even, controllable airflow control



**04 DAMPERS CONTROL AIRFLOW FOR THE WHOLE PANEL:** RLE offers two types of dampers designed to help you adjust and target airflow to optimize cooling efficiency in your raised floor environment. The embedded slide damper (EMB-ABI) and opposed blade damper (OPD) attach onto and cover the entire bottom side of the airflow panel, and are adjustable from the top of the panel.

The key difference between the dampers is the amount of airflow that can pass through them. The embedded slide damper is the most restrictive, so allows less air to pass through. The opposed blade damper can open wider and provides more even, controlled airflow.

**05 DAMPERS:** All dampers are compatible with Triad chamfer and slotted floor panels.

Product Codes	
<b>EMB-ABI</b>	Embedded Slide Damper with Top Adjustments (Field Installed) Imperial or Metric 1500 series Slotted & Chamfer panels
<b>EMB-ABI-INST</b>	Embedded Slide Damper with Top Adjustments (Factory Installed) Imperial or Metric 1500 series Slotted & Chamfer panels
<b>OPD</b>	Opposed Blade Damper with Top Adjustment (Field Installed)

**06**

Damper Type	Model	Installation	Specifications
<b>Embedded Slide</b>	EMB-ABI-INST, EMB-ABI  Country of Origin: United States of America	Field or Factory  Field Installation Notes: 1. Flex damper over top of anterior fin, row by row. 2. Align tabs to all 8 side frame holes. 3. Bend tabs down over all 12 frame holes. 4. Bend tabs into the 8 frame holes. 5. Damper is top surface adjustable.	Depth: 2.5"  Full Open Flow Restriction: 30% - 50% Full Closed Flow Restriction: 85% - 95% Full Closed Leakage: 5% - 15% at .04 SP
<b>Opposed Blade</b>	OPD  Country of Origin: United States of America	Field  Field Installation Notes: 1. Align OPD blades parallel to panel fins. 2. Align tabs to 8 corner side frame holes. 3. Bend tabs down over 8 frame holes. 4. Bend tabs into 8 frame holes. 5. Damper is top surface adjustable.	Depth: 4"  Full Open Flow Restriction: 5% - 15% Full Closed Flow Restriction: 85% - 95% Full Closed Leakage: 5% - 15% at .04 SP