

## | OBD - Opposed Blade Damper

### Product configuration

- Small grilles ( $\leq 18" \times 12"$ ): supplied with one single damper section.
- Larger grilles: supplied with multiple damper sections, typically two or more, to cover the full opening.

Each damper section includes:

- One interlocking edge
- One cut (non-interlocking) edge

### Installation instructions

#### 1.1 Damper Positioning

1. Position the damper behind the grille core.
2. Orient each damper section as follows:
  - The interlocking edge must align with and rest against the grille frame edge.
  - The cut edge must face toward the inside of the grille core.
    - | Correct orientation ensures proper airflow control and full coverage.

#### 1.2 Multiple Damper Sections

3. For grilles using multiple damper sections:
  - Install the first section as described above.
  - Add additional sections by aligning and interlocking them into the grille.
  - Ensure all sections are aligned and seated flat against the grille.

#### 1.3 Central Support (4 Sections or More)

3. When four damper sections or more are used:
  - Install a metal support plate behind the damper assembly, centered on the grille at the junction of the damper sections.
  - Secure the support plate to the damper using appropriate screws.
  - Fasten the damper sections to this support to ensure long-term stability and rigidity.
    - | This central support is required to maintain proper alignment on larger grille sizes with multiple damper sections.

#### 1.4 Fastening the Damper

5. Secure all damper sections to the grille edge using the screws.

### Operation

- Damper blades regulate airflow behind the grille.
- Adjust airflow as required after installation.