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**OPPOSED BLADE DAMPER  
OBD**



## OPPOSED BLADE DAMPER OBD

### PRODUCT DESCRIPTION AND APPLICATION

Airfoil's Australian Made Opposed Blade Damper (OBD) is crafted from premium extruded aluminium, ensuring durability and reliability. Available in a range of sizes, this damper is designed to effectively balance airflow rates in both supply and exhaust air applications. Its standout feature is the specifically engineered frame, which seamlessly clips onto various Airfoil grilles, allowing for easy installation. We maintain a variety of OBD sizes in stock for immediate delivery.

The OBD blades are securely held within the 47mm deep frame using punched holes, spring-loaded wire, and knock-on star washes, providing robustness and stability. These fully adjustable blades are angled at 45 degrees when closed and at 180 degrees when fully open.

For airflow volume balancing, the blades can be conveniently adjusted through the grille's face using a flat-head screwdriver, utilising a fixed circular screw control. Turning the control clockwise opens the damper, while turning it anticlockwise closes it.

Our standard offering includes a Matt Black powder-coated finish, ensuring a sleek and visually appealing appearance when installed behind the grille. Airfoil's Opposed Blade Dampers (OBD) are ideal for various commercial buildings where precise air balancing is essential.

## OPPOSED BLADE DAMPER OBD

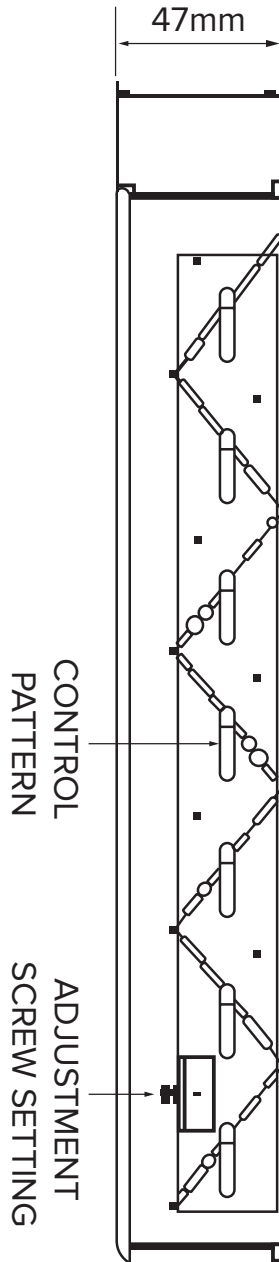
### PRODUCT SPECIFICATIONS AND INFORMATION

- **Product ordering code – OBD**
- Australian Made
- Aluminium Construction
- Order blade width first and then by height
- OBD size to suit grille (specify grille type)
- 47mm frame
- Maximum blade length order 600mm
- Fully adjustable blades are pitched at 45 when fully closed. 180 degrees when fully opened.
- Design to balance airflow rates in supply and return air applications
- Easy clip on frame for installation
- Easy screw adjustment through the face of the grille (flat head screw driver)
- Matt Black powder coated finish
- Stock sizes available for immediate delivery
- Product suitable to any commercial application in conjunction with Airfoil's Grille range
- Airfoil tested information available



## OPPOSED BLADE DAMPER OBD

### CROSS SECTIONAL DIAGRAM



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## OPPOSED BLADE DAMPER OBD

### PERFORMANCE DATA

OBD Area (m2)	L/s	45	65	75	90	110
0.02	Static Pressure (Pa)	0.5	1	1.4	2.5	4
OBD Area (m2)	L/s	90	125	140	155	170
0.05	Static Pressure (Pa)	0.5	1	2.5	3.8	5
OBD Area (m2)	L/s	150	190	240	290	330
0.1	Static Pressure (Pa)	0.5	1.5	2.5	4	5.5
OBD Area (m2)	L/s	250	300	350	390	450
0.15	Static Pressure (Pa)	1.5	2	3	4.5	6
OBD Area (m2)	L/s	380	430	480	540	600
0.18	Static Pressure (Pa)	1.5	2	2.5	4	5.5