



# ISOLATION DAMPERS

## Model: IDV Series

BioAir Solutions takes Quality Assurance and Control seriously. All of our FRP Dampers are manufactured to strict Quality Control Standards and under the BioAir ISO 9001:2015 Quality Management Certification. FRP Fabrication is per ASTM D3982 and ASME RTP-1.

Isolation Dampers are used when there is a need to isolate a source or airflow from an adjoining portion of the system with minimal leakage in accordance with AMCA Standards.



## STANDARD CONSTRUCTION

- **Resin:** Premium epoxy vinyl ester
- **Damper Shaft Material:** 316 Stainless Steel
- **Structural:** Contact molded with internal vinyl corrosion barrier. All material in contact with air-stream either FRP or 316SS
- **Damper Adjustment:** Locking lever quadrant or Motorized/Actuator
- **Flange Connection:** Flange Thickness & Bolt Hole Drillings prepared to PS 15-69 FRP Ducting Standard or customized per Customer's standard
- **Bushing Material:** Nylon
- **Shaft Seal:** Viton

Nominal (Inside) Diameter
4" (100 mm)
6" (150 mm)
8" (200 mm)
10" (250 mm)
12" (300 mm)
14" (350 mm)
16" (400 mm)
18" (450 mm)
20" (500 mm)
24" (600 mm)
28" (700 mm)
32" (800 mm)
36" (900 mm)
40" (1000 mm)
44" (1100 mm)
48" (1200 mm)
56" (1400 mm)
60" (1500 mm)
72" (1800 mm)





## BALANCING DAMPERS

### Model: CDV Series

BioAir Solutions takes Quality Assurance and Control seriously. All of our FRP Dampers are manufactured to strict Quality Control Standards and under the BioAir ISO 9001:2015 Quality Management Certification. FRP Fabrication is per ASTM D3982 and ASME RTP-1.

Balancing Dampers are used when there is a need to control the airflow from source or to balance multiple sources.



### STANDARD CONSTRUCTION

- **Resin:** Premium epoxy vinyl ester
- **Damper Shaft Material:** 316 Stainless Steel
- **Structural:** Contact molded with internal vinyl corrosion barrier. All material in contact with air-stream either FRP or 316SS
- **Damper Adjustment:** Locking lever quadrant or Motorized/Actuator
- **Flange Connection:** Flange Thickness & Bolt Hole Drillings prepared to PS 15-69 FRP Ducting Standard or customized per Customer's standard
- **Bushing Material:** Nylon
- **Shaft Seal:** Viton

Nominal (Inside) Diameter
4" (100 mm)
6" (150 mm)
8" (200 mm)
10" (250 mm)
12" (300 mm)
14" (350 mm)
16" (400 mm)
18" (450 mm)
20" (500 mm)
24" (600 mm)
28" (700 mm)
32" (800 mm)
36" (900 mm)
40" (1000 mm)
44" (1100 mm)
48" (1200 mm)
56" (1400 mm)
60" (1500 mm)
72" (1800 mm)



# BACK-DRAFT DAMPERS

## Model: BDV Series

BioAir Solutions takes Quality Assurance and Control seriously. All of our FRP Dampers are manufactured to strict Quality Control Standards and under the BioAir ISO 9001:2015 Quality Management Certification. FRP Fabrication is per ASTM D3982 and ASME RTP-1.

Back-Draft Dampers are used when there is a need to allow flow in one direction only. It is often used on the discharge of a fan to prevent reversal of flow and impeller back spinning.



## STANDARD CONSTRUCTION

- **Resin:** Premium epoxy vinyl ester
- **Damper Shaft Material:** 316 Stainless Steel
- **Structural:** Contact molded with internal vinyl corrosion barrier. All material in contact with air-stream either FRP or 316SS
- **Damper Adjustment:** Lever with Adjustable Counter weight
- **Flange Connection:** Flange Thickness & Bolt Hole Drillings prepared to PS 15-69 FRP Ducting Standard or customize per Customer's standard
- **Bushing Material:** Nylon
- **Shaft Seal:** Viton

Nominal (Inside) Diameter
4" (100 mm)
6" (150 mm)
8" (200 mm)
10" (250 mm)
12" (300 mm)
14" (350 mm)
16" (400 mm)
18" (450 mm)
20" (500 mm)
24" (600 mm)
28" (700 mm)
32" (800 mm)
36" (900 mm)
40" (1000 mm)
44" (1100 mm)
48" (1200 mm)
56" (1400 mm)
60" (1500 mm)
72" (1800 mm)