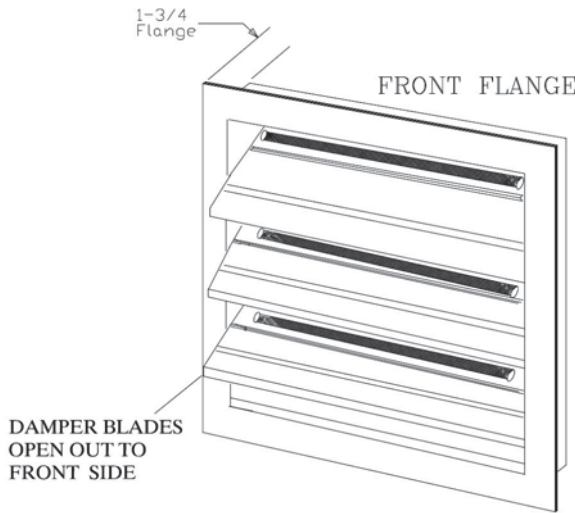




BACKDRAFT DAMPER

MODELS:
LBDF-2 with Front Flange

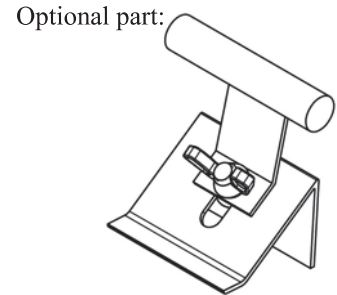


APPLICATION

The LBD-2 is Lloyd's vertical/horizontal mounted Backdraft Damper that is designed to allow vertical/horizontal airflow and prevent reverse airflow. The damper is opened by air pressure differential and closed by gravity.

OPTIONAL BLADE COUNTERWEIGHTS:
Counterweights available on request

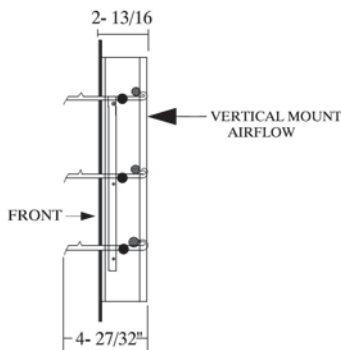
Note: Dampers will be provided less counterweights unless specified.



STANDARD CONSTRUCTION

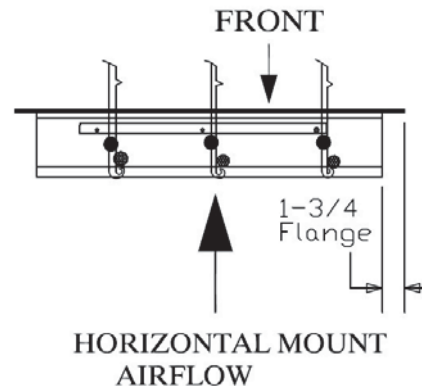
FRAME:	6063T5 Extruded Aluminum Minimum wall thickness 16 ga.	AXLES:	Cast Aluminum
BLADES TYPE:	6063T5 Extruded Aluminum 16 ga. Counter balance rod Holder Built into rear of blades	LINKAGE:	16 ga. x 5/8" wide Aluminum Concealed in the channel frame
SEALS:	Vinyl Blade	ORIENTATION:	Horizontal or vertical
		FINISH:	Mill Finish

MODEL AND MOUNTING SELECTION



- MODEL: LBDF-2
- Vertical Installation
 - Flangeless Duct Mounting

- MODEL: LBDF-2
- Horizontal Installation



Single Section		Multiple Section
Minimum Size (WxH)	Maximum Size (WxH)	Maximum Size (WxH)
6"x6"	36"x60"	UNLIMITED

NOTE:

When used in fan discharge applications, damper should be at least half the fan diameter distance from fan discharge.

Damper is 1/4" less than ordered dimensions unless specified "ACTUAL SIZE".





BACKDRAFT DAMPER



MODELS:
LBD-1
LBDF-1 (with rear flange)

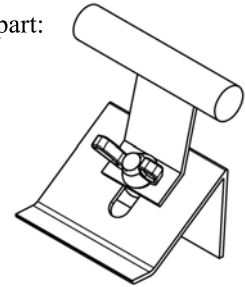
APPLICATION

The LBD-1 is Lloyd's vertical/horizontal mounted Backdraft Damper that is designed to allow vertical/horizontal airflow and prevent reverse airflow. The damper is opened by air pressure differential and closed by gravity.

OPTIONAL BLADE COUNTERWEIGHTS:
Counterweights available on request

Note: Dampers will be provided less counterweights unless specified.

Optional part:



STANDARD CONSTRUCTION

- FRAME:** 6063T5 Extruded Aluminum
Minimum wall thickness 16 ga.
- BLADES TYPE:** 6063T5 Extruded Aluminum 16 ga.
Counter balance rod Holder
Built into rear of blades
- SEALS:** Vinyl Blade
- AXLES:** Cast Aluminum
- LINKAGE:** 16 ga. x 5/8" wide Aluminum
Concealed in the channel frame
- ORIENTATION:** Horizontal or vertical
- FINISH:** Mill Finish

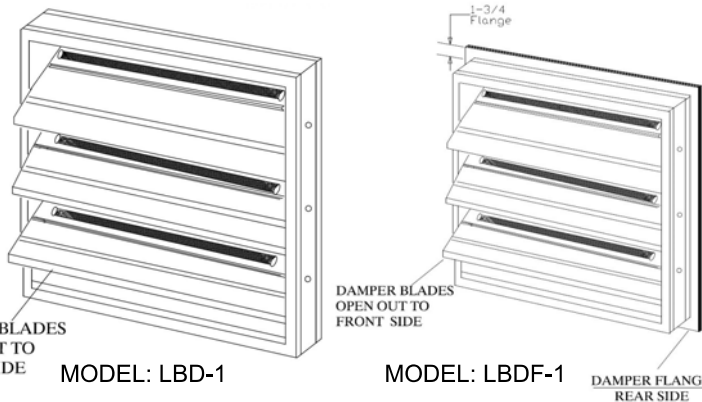
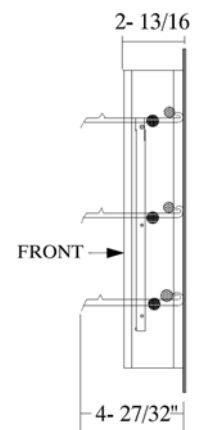
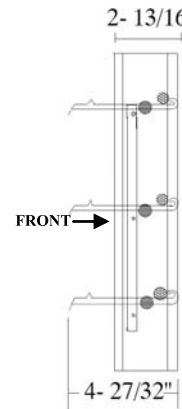
MODEL AND MOUNTING SELECTION

MODEL: LBD-1

- Vertical Installation
- Flangeless Duct Mounting

MODEL: LBDF-1

- Vertical Installation
- Flange Mount

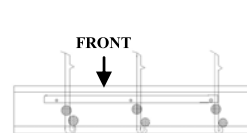


MODEL: LBD-1

- Horizontal Installation with Upward Airflow

MODEL: LBDF-1

- Horizontal Installation with Upward Airflow



NOTE:

When used in fan discharge applications, damper should be at least half the fan diameter distance from fan discharge.

Damper is 1/4" less than ordered dimensions unless specified "ACTUAL SIZE".

Single Section		Multiple Section
Minimum Size (WxH)	Maximum Size (WxH)	Maximum Size (WxH)
6"x6"	36"x60"	UNLIMITED

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Lloyd Industries Inc. 2013

BACKDRAFT DAMPER

OPERATION OF OPTIONAL BLADE COUNTERWEIGHTS:

Figure 1

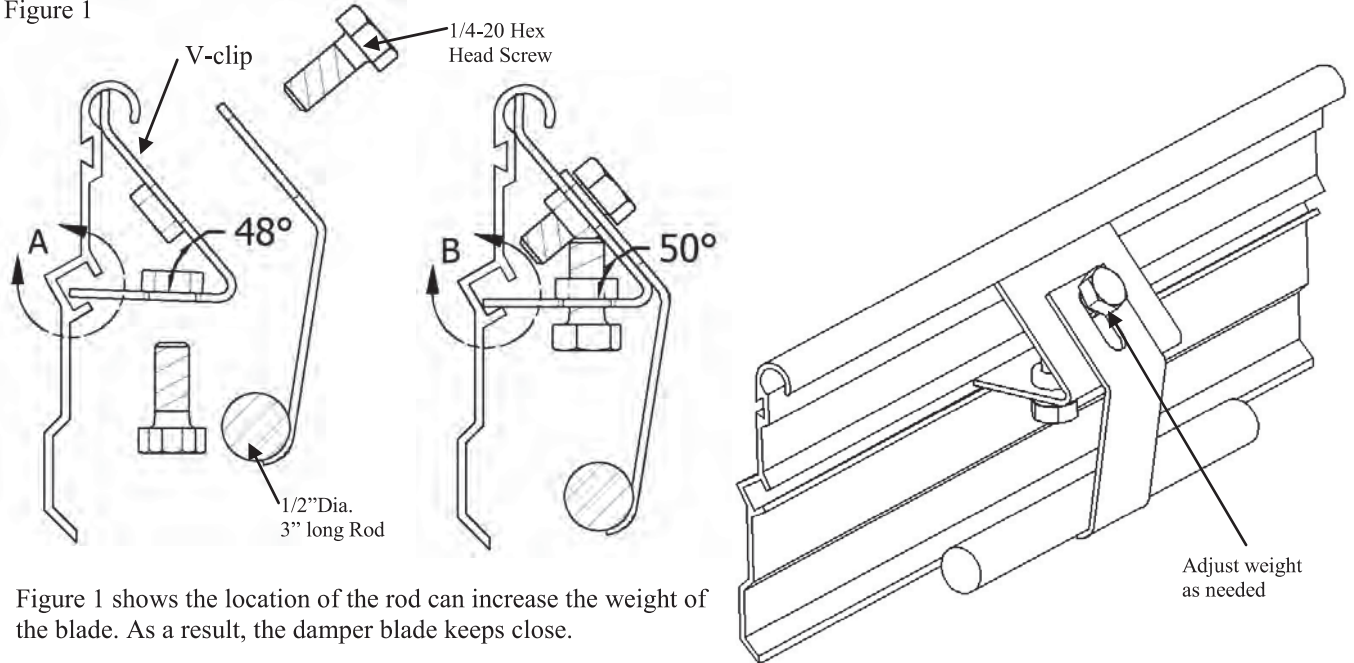


Figure 1 shows the location of the rod can increase the weight of the blade. As a result, the damper blade keeps close.

Figure 2

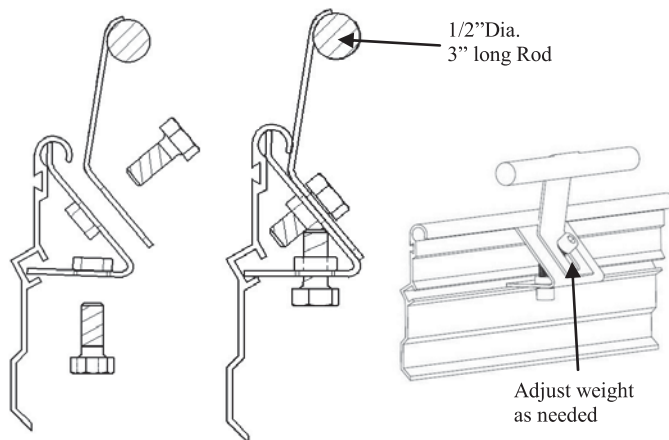


Figure 2 shows the rod on the opposite direction. At this location, the rod helps to increase the gravity instead of the blade's weight. As a result, the damper blade keeps open.

Figure 3

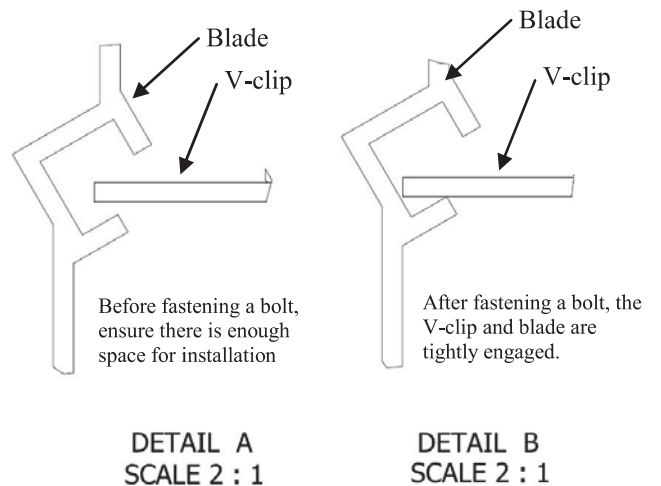


Figure 3 illustrates how the V-clip and blade are engaged.