

# **SEBR-30 Series**

Barometric Relief Dampers Vertical Mount - Horizontal Airflow

## **Application**

The SEBR-30 series is an eccentrically pivoted backdraft damper for low velocity systems. SEBR-30 series is a vertical mounted damper and designed to allow horizontal airflow and prevent reverse airflow. On-blade counterweights are provided to fine tune start-to-open and full open blade operation. Ball bearings minimize friction.

#### **Recommended Applications**

- · Gravity hood intake and exhaust
- Stairwell pressurization
- Room pressurization
- Ductwork outlets

### **Poor Applications**

- Propeller fan outlets (high velocity)
- Centrifugal fan outlets (high velocity)
- Building pressurization (sensitive to wind)
- Pressure relief exceeding 0.3 in. wg (0.075 kPa)

# **Ratings**

#### **Back Pressure**

2.0 in. wg (0.5 kPa)

### **Start-to-Open Pressure**

0.05 in. wg (.01 kPa)

#### **Velocity**

2,000 fpm (10.2 m/s)

#### **Temperature**

180°F (82°C)

# Construction

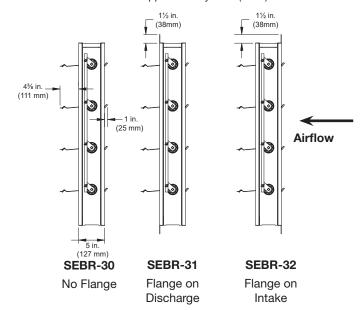
	Standard	Optional
Frame Material	316SS	-
Frame Thickness	16 ga. (1.5mm)	-
Frame Type	No Flange (SEBR-30)	-
	Flange on Discharge (SEBR-31)	-
	Flange on Intake (SEBR-32)	-
Blade Material	316SS	-
Blade Seal	TPE	None
Blade Thickness	20 ga. (1mm)	-
Axle	% in. (9.5mm) sq. 316SS	-
Axle Bearings	316SS with acetal races	-
Linkage Material	316SS	-
Jamb Seal	None	EPDM
Counterbalance	Blade mounted with adjustable 316SS weights	-

## **Feature**

 Selectable start open from .05 to .30 in. wg (0.012 kPa - 0.075 kPa).

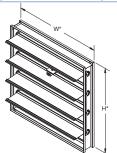


\*W & H dimensions furnished approximately 1/4 in. (6mm) undersize.



### Size Limitations

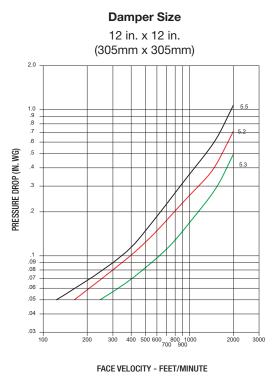
WxH	Minimum Size	Maximum Size		
WXH		Single Section	Multiple Sections	
Inches	8 x 6	48 x 74	96 x 148	
mm	203 x 152	1220 x 1880	2438 x 3759	

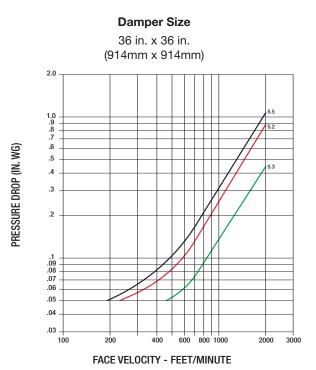


## **Performance Data**

Performance data results from testing a 12 in. x 12 in. and 36 in. x 36 in. (305mm x 305mm and 914mm x 914mm) in accordance with AMCA Standard 500-D using Figure 5.3 (fully ducted), 5.2 (ducted exhausting into an open area), and 5.5 (plenum mounted). All data has been corrected to represent standard air density at 0.075 lb/ft³ (1.201 kg/m³).

Pressure drop data shown is based on minimum start open pressure. Higher start open pressure will result in different pressure drop.





## **Document Links**



<u>INSTALLATION</u>



**CATALOG** 



**SELECTION GUIDE** 





**WARRANTY** 

