

## Application

Model ABD is an automatic balancing damper designed to maintain a constant airflow volume in HVAC applications. The damper blade is calibrated to automatically adjust to changing pressures. The ABD can be used in both supply and exhaust applications.

## Ratings

### Pressure

0.2 in wg to 2.0 in. wg (0.05 kPa to 0.5kPa)

### Volume

25 cfm to 425 cfm (0.012 m<sup>3</sup>/s to 0.201 m<sup>3</sup>/s) size dependent

### Temperature

25°F to 150°F (-4°C to 65°C)

### UL Classified

UL 2043 for heat and visible smoke release



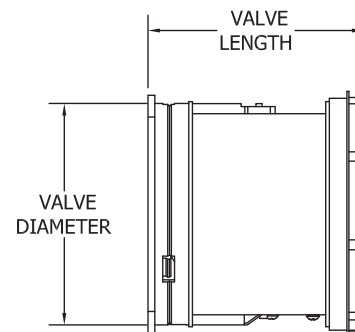
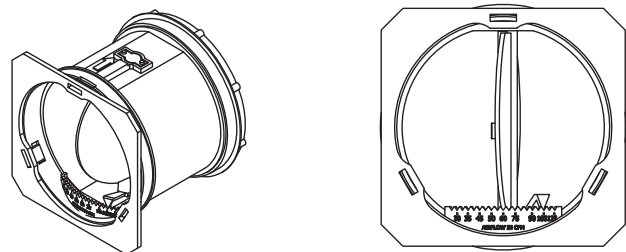
See complete marking on product.

UL 2043 Classification  
R39668

## Construction

	Standard
<b>Frame Material</b>	Reinforced UL 94 Thermoplastic Resins
<b>Blade Material</b>	Reinforced UL 94 Thermoplastic Resins
<b>Bearings</b>	Hydraulic blade dampener
<b>Outer Seal</b>	Removable rubber gasket
<b>Spring</b>	Stainless steel leaf type
<b>Anti-Microbial Agent</b>	Steri-Balance™ infused into plastic
<b>Adapter</b>	Quick-connect adapter ring included

## Dimensional Drawings



## Airflow Range by Size

Diameter (mm)	Individual Set Points	Airflow Range - CFM* (m <sup>3</sup> /s)
<b>4 in (102)</b>	20	25 to 130 (.012 to .061)
<b>5 in (127)</b>	20	25 to 130 (.012 to .061)
<b>6 in (152)</b>	24	50 to 275 (.024 to .130)
<b>8 in (203) Exhaust</b>	26	125 to 400 (.059 to .189)
<b>8 in (203) Supply</b>	26	105 to 425 (.050 to .201)

\* Note: Airflow range determined through +/- 10% of average airflow over the pressure range.

Diameter (mm)	Valve Diameter (mm)	Valve Length (mm)
<b>4 in (102)</b>	3.66 in (93)	3.48 in (89)
<b>5 in (127)</b>	4.81 in (122)	3.72 in (94)
<b>6 in (152)</b>	5.66 in (144)	5.29 in (134)
<b>8 in (203)</b>	7.66 in (195)	6.96 in (177)

# Document Links

[Instruction Manual](#)



[ABD Trifold](#)



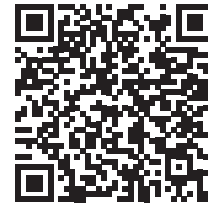
[Damper Interactive Selection Guide](#)



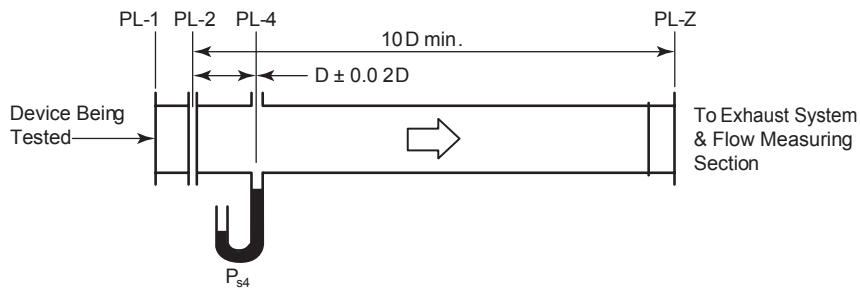
[Specifications](#)



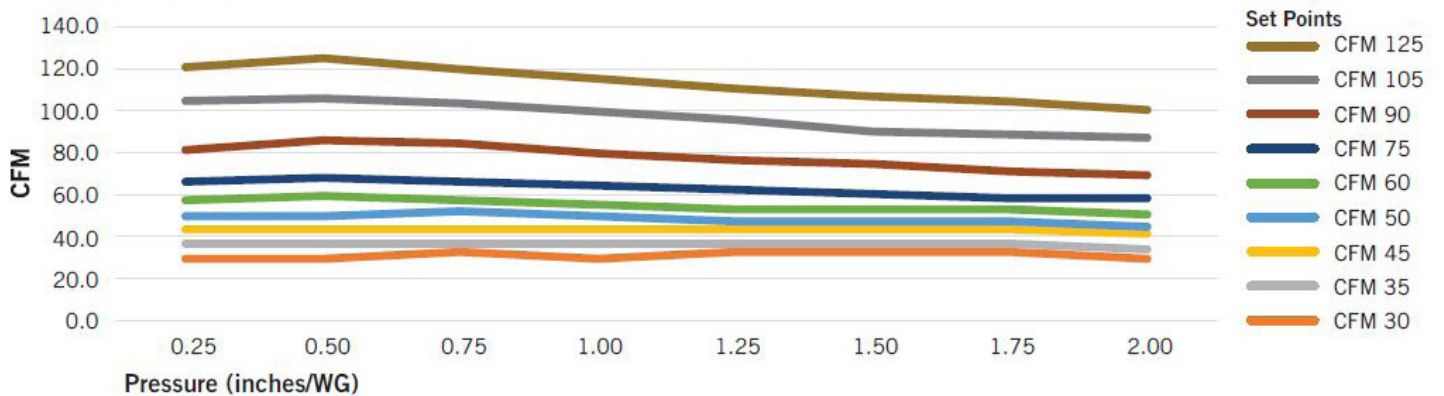
[Warranty](#)



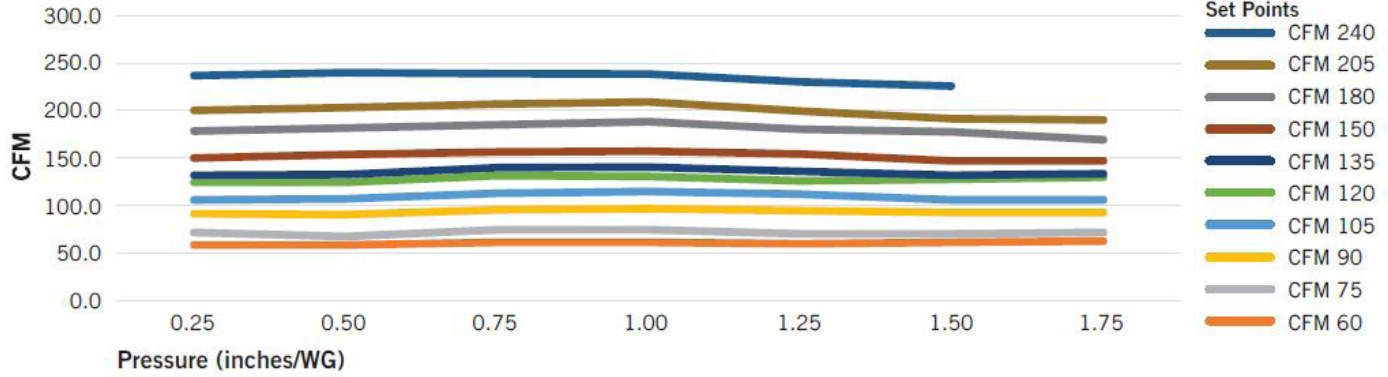
## Performance Data - Tested to AMCA Figure 5.1



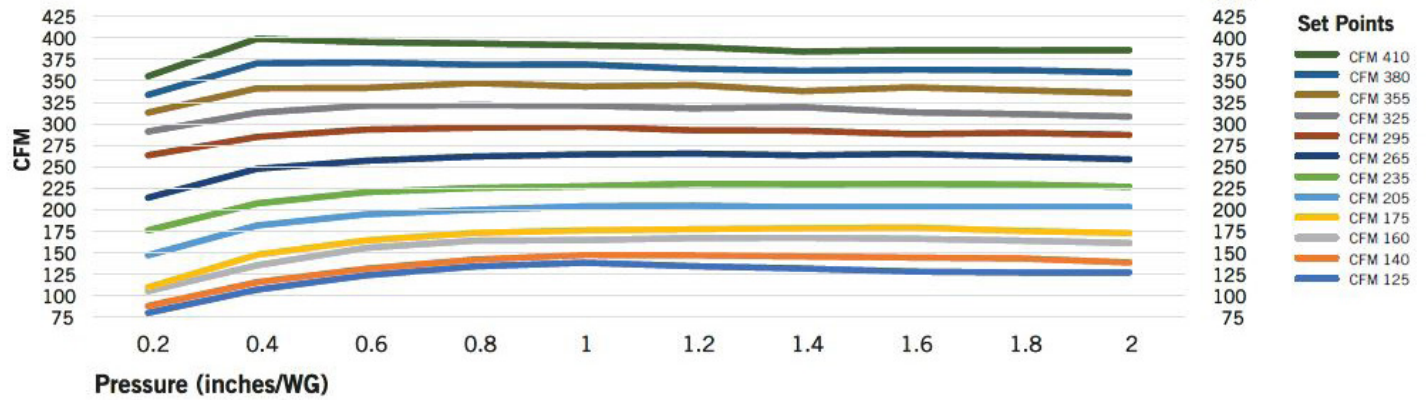
ABD - 4 and 5 inch



ABD - 6 inch



ABD - 8 inch Exhaust



ABD - 8 inch Supply

