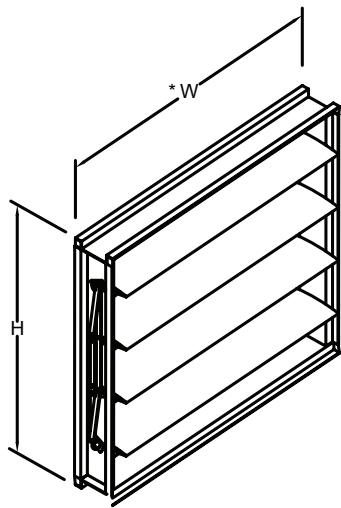


## Model CD-200-AF & CD-201-AF Damper



\* Undersized 1/4"  
Standard



### Suggested Specifications

Furnish and install at location shown on drawing, or in accordance with schedules, dampers meeting the following specifications: Rectangular damper shall have double thick, galvanized steel (equivalent to 14 gauge) blades with galvanized steel rollformed frame. Damper to meet the low pressure drop and low leakage equal to Metropolitan Air Technology's model CD-200-AF, CD-201-AF.

### Standard Construction

- Frame: Rollformed Galvanized Steel
- Blade: 5"-7" wide galvanized steel airfoil (double skin construction of 14 ga equivalent thickness)
- Extended Shaft: 1/2" diameter
- Bearing: Nylon
- Linkage: Concealed in frame
- Axles: Zinc plated
- Blade Seals: Silicone (400°F)
- Jamb Seals: Stainless steel (compression)

### Options

- Stand Off Bracket, 2"
- Header plates (end flange)
- Hand quadrant
- Chain operated
- Factory Installed Pneumatic or Electric Actuators
- Face and By-pass damper
- Position switch
- Stainless steel bearings
- Heresite coated (air dry)
- Epoxy coated (powder coated @ 415°)
- Bronze oilite bushing
- Stainless Steel bushing
- Insulated (1/2" fiberglass)

**Min. Size** 8"w x 6"h

**Max. Size** 48w x 60"h (single section)  
9" h and under - single blade  
Multi-section: unlimited



### Model CD-200-AF (opposed) & CD-201-AF (parallel)

6235 South Oak Park Avenue Chicago, IL 60638 USA  
Toll free: 800.585.7686 +1.708.552.4040  
Fax: +1.708.594.0396 www.metairtech.com

Represented by:



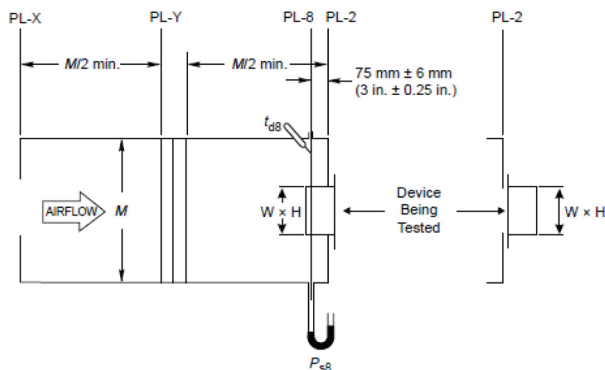
## Model CD-200-AF & CD-201-AF Damper Performance Data

### AMCA Standards

Pressure Class	Leakage, ft <sup>3</sup> /min /ft <sup>2</sup>			
	Required Rating		Extended Ranges (optional)	
	1"	4"	8"	12"
1A	3	n/a	n/a	n/a
1	4	8	11	14
2	10	20	28	35
3	40	80	112	140

All data corrected to represent standard air at a density of 0.075 lbs/ft<sup>3</sup>

Air leakage is based on operation between 50° F to 104° F. All data corrected to represent air density of 0.075 lbs/ft<sup>3</sup>. Tested per AMCA Standard 500-D (leakage), figure 5.4 Alternate.



AMCA Standard 500-D (leakage), figure 5.4 Alternate.

### Leakage Performance

#### Imperial Units (Forward Flow)

Damper Width X Height	1 in. w.g. Class	4 in. w.g. Class	8 in. wg Class	*Torque (per sq. ft.)
12" X 48"	Class 1	Class 1	Class 2	27.5 lbs-in
36" X 36"	Class 1A	Class 1	Class 1	10 lbs-in
48" X 36"	Class 1A	Class 1	Class 2	9 lbs-in

#### Imperial Units (Reverse Flow)

Damper Width X Height	1 in. w.g. Class	4 in. w.g. Class	8 in. wg Class	*Torque (per sq. ft.)
12" X 48"	Class 1	Class 1	Class 1	27.5 lbs-in
36" X 36"	Class 1A	Class 1	Class 2	10 lbs-in
48" X 36"	Class 1A	Class 1	Class 2	9 lbs-in

\*Torque applied to hold damper in closed position

Air leakage is based on operation between 50° F to 104° F. All data corrected to represent air density of 0.075 lbs/ft<sup>3</sup>.

#### Standard International Units (Forward Flow)

Damper Width X Height (mm)	250 Pa Class	1 KPa Class	2 KPa Class	*Torque (per sq. m.)
305 X 1220	Class 1	Class 1	Class 2	33.58 N-m
915 X 915	Class 1A	Class 1	Class 1	12.15 N-m
1220 X 915	Class 1A	Class 1	Class 2	10.94 N-m

#### Standard International Units (Reverse Flow)

Damper Width X Height (mm)	250 Pa Class	1 KPa Class	2 KPa Class	*Torque (per sq. m.)
305 X 1220	Class 1	Class 1	Class 1	33.58 N-m
915 X 915	Class 1A	Class 1	Class 2	12.15 N-m
1220 X 915	Class 1A	Class 1	Class 2	10.94 N-m

\*Torque applied to hold damper in closed position

Air leakage is based on operation operation between 10°C - to 40°C. All data corrected to represent air density of 1.201 kg/m<sup>3</sup>.

