



AIR CONTROL DAMPER



MODELS:
AC10 (PARALLEL BLADE)
AC20 (OPPOSED BLADE)

APPLICATION

The AC10/AC20 is a galvanized steel damper for low to medium velocity and pressure HVAC systems. A wide range of electric and pneumatic actuators are available.

STANDARD CONSTRUCTION

FRAME: 16 Ga. (1.5mm) galvanized steel
Interlocking stacked hat section
(*Channel frame shown)

BLADES : 16 Ga. galvanized V formed

BEARINGS: Non-metallic celcon

AXLES: 1/2 Sq zinc plated steel stud

LINKAGE: Concealed in frame
10 Ga. zinc plated steel

FINISH: Mill galvanized

STANDARD 2-1/2" EXTENDED SHAFT:

Fixed 1/2 in dia. zinc plated steel shaft extending 2 1/2 in beyond the air control damper frame.

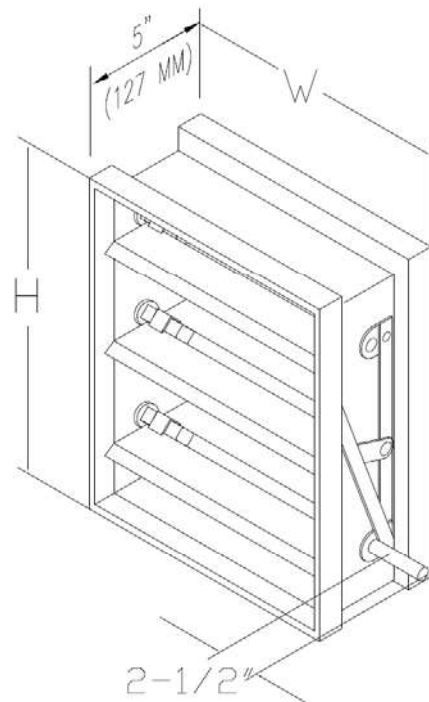
OPTIONAL COMPONENTS

- Neoprene blade seals
- Stainless steel jamb seals
- Aluminum frame
- Aluminum V blades
- Bronze bearings
- Flat head & sill frame construction for max. air flow sizes 4"high to 8"high
- Stainless steel construction
- Sleeves: refer to the ACD sleeve specs
- Actuators: manual, electric, pneumatic (internal or external options available)

**OPTIONAL REMOVABLE 8" EXTENDED SHAFT:

1/2 dia. Shaft extending 7 1/2 inches beyond the air control frame.
Requires 1" or 2" bearing bracket.

Model	Single Section		Multiple Section
	Minimum Size (WxH)	Maximum Size (WxH)	Maximum Size (WxH)
AC10	6"x6"	60"x60"	UNLIMITED
AC20	6"x11"	60"x60"	



NOTE:

Dampers supplied 1/4" less than order width and height unless specified "ACTUAL SIZE"



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AMCA Certified Leakage Data

AC10/AC20	Leakage Class			
Damper Width	1in.wg	4in.wg	6in.wg	8in.wg
48"	I	II	II	II

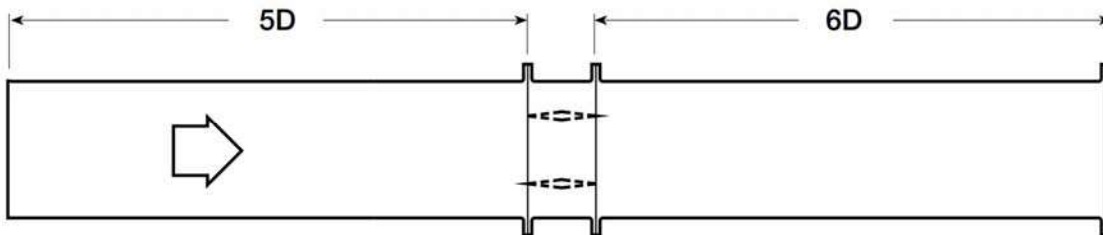
Torque: 6.0 in.lb/sq.ft applied to close and seat the damper.



Lloyd Industries certifies that the AC10-AF and AC20-AF herein are licensed to bear the AMCA Seal. The ratings shown are based on the tests and procedures performed in accordance with AMCA publication 511 and comply with the requirements of the AMCA Certified Ratings Program. The AMCA International Certified Rating Seal applies to Air Performance and Air Leakage.

AMCA Certified Pressure Drop Data

AMCA 5.3



12"x12"	
Velocity (fpm)	Pressure Drop (in. Wg.)
500	0.037
1000	0.170
1500	0.320
2000	0.700

36"x36"	
Velocity (FPM)	Pressure Drop (in. Wg.)
500	0.004
1000	0.023
1500	0.041
2000	0.090

24"x24"	
Velocity (FPM)	Pressure Drop (in. Wg.)
500	0.008
1000	0.040
1500	0.090
2000	0.170

12"x48"	
Velocity (fpm)	Pressure Drop (in. Wg.)
500	0.010
1000	0.042
1500	0.080
2000	0.170