

Fire Dampers

1. Are these dampers to be installed in a system in which the fans continue to run during fire and smoke control?
 Yes (Dynamic)
 No (Static)
2. Are these dampers to be installed in ducts where they penetrate a:
 Wall (Ductwork running horizontal)
 Floor (Ductwork running vertical)
3. What is the fire rating of the partition? _____
4. Are there any dimensional restrictions in the partition that might impact the profile (thickness) of the damper's frame?
 Yes
 No
5. What are the duct dimensions? W_____ X H_____
Always indicate the width first even if shorter than the height. The width dimension will dictate the length of the blades.
**The number of blades increases with damper height.*
6. The damper's blades are to be:
 In the air stream (Type A)
 Out of the air stream (Type B)
7. The whole appliance, blades AND frame, are to be out of the air stream (100% free area):
 Yes (Type C may have round, oval, or rectangular collars)
 No
8. What fusible link temperature is required?
 165°
 212°
9. Are there any requirements for a product manufactured in stainless steel?
 Yes
 No
10. Will sleeves be factory or field installed?
 Factory
 Field
If factory, what is the length of sleeve required?
 8"
 12"
 17"
 20"
11. Retaining angles to be supplied from:
 Factory
 Field

Product Survey

Ceiling Radiation Dampers



AireTechnologies, Inc
a DMI company

Information required for Ceiling Radiation Dampers

1. The dimensions of the duct opening are:
 - Rectangular
 - Round
 2. It would be preferable to have the fusible link mounted:
 - Between the blades - SL
 - On the sides of the blades - EA
(between a wire hook & catch)
 3. What are the dimensions of the duct?
Always indicate the width first even if it is shorter than the height. The width dimension of a CRD will dictate the length of the blade and hinge.
 4. What temperature fusible link is required?
 - 165°
 - 212°
 5. Are there any requirements for a product manufactured in stainless steel?
 - Yes
 - No
 6. Are these products being installed in a UL Classified wood truss floor/ceiling or roof/ceiling assembly?
 - Yes
 - No

*Do you know the UL Classified number? This number will be specified by the architect.
Ex. Aire Technologies L-587*
 7. Does it need to be factory insulated?
 - Yes
 - No

If no, please choose one of the following¹:

 - Series 50 with L Boot²
 - Series 50 with Straight Boot²
 - Series 50 with End Boot²
 - Series 50 with Metal Box (Model 50EAX)

If yes, please choose one of the following:

 - Series 57 – grille outlet
 - Series 58 – grille outlet or duct drop

If Series 58 is chosen, would you like the ductboard factory supplied or field supplied?

 - Factory
 - Field
- ¹ For applications requiring increased airflow/efficiency a single blade “free-flow” CRD is available.
CONSULT FACTORY FOR DETAILS ABOUT Series 51 CRD’s INSTALLED IN BOOTS
- ² Optional 8” throat available upon request.

Product Survey

Combination Fire & Smoke Dampers



AireTechnologies, Inc
a DMI company

Information required for Combination Fire & Smoke dampers:

1. What leakage class is required?
 - Class I Ultra-Low Leakage
 - Class II Low Leakage
 - Class III Leakage
2. What is the rating of the partition?
 - 1½ Hours
 - 3 Hours
3. What temperature rating do you require?
 - 250° F
 - 350° F
4. What are the duct dimensions? W_____ X H_____ *Always indicate the width first even if shorter than the height. The width dimension will dictate the length of the blades.*
5. Does the damper require a transition?
 - Round
 - Oval
 - Rectangular
 - None
6. Will the damper also be used as a volume control damper?
 - Yes (Modulating Actuator)
 - No (2 Position Actuator)
7. What voltage actuator is required?
 - 24 Volt
 - 120 Volt
 - 220 Volt
8. Where is the actuator to be mounted?
 - External (Outside damper; out of the airstream)
 - Internal (Inside damper; in the airstream)
9. Do you require an end switch?
 - Yes
 - No
10. What sleeve length is required?
 - 17"
 - 20"
 - 24"
11. At what temperature does the damper need to close?
 - 165° F
 - 212° F
12. Is a specific actuator brand required?
 - Yes, Siemens
 - Yes, Belimo
 - No

Smoke Dampers

Information required for Smoke dampers:

1. What leakage class is required?
 - Class I Ultra-Low Leakage
 - Class II Low Leakage
 - Class III Leakage
2. What temperature rating do you require?
 - 250° F
 - 350° F
3. What are the dimensions of the damper, width x height?
W_____ X H_____
Always indicate the width first even if shorter than the height. The width dimension will dictate the length of the blades.
**The number of blades increases with damper height.*
4. Does the damper require a transition?
 - Round
 - Oval
 - Rectangular
 - None
5. Will the damper also be used as a volume control damper?
 - Yes (Modulating Actuator)
 - No (2 Position Actuator)
6. What voltage actuator is required?
 - 24 Volt
 - 120 Volt
 - 220 Volt
7. Where is the actuator to be mounted?
 - External (Outside damper; out of the airstream)
 - Internal (Inside damper; in the airstream)
8. Do you require an end switch?
 - Yes
 - No
9. Is a specific actuator brand required?
 - Yes, Siemens
 - Yes, Belimo
 - No



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Product Survey

Air Control Dampers

Information required for Air Control Dampers

1. Do you require a low leakage damper?
 Yes
 No
2. What are the dimensions of the damper, width x height?
W_____ X H_____
Always indicate the width first even if shorter than the height. The width dimension will dictate the length of the blades.
**The number of blades increases with damper height.*
3. What type of blade assembly is required?
 Opposed Blade
 Parallel Blade
4. Bearing material?
 Non-metallic Celcon® (Standard)
 Bronze
5. What size shaft extension is required?
 3"
 6"
 11"
6. What voltage actuator is required?
 None, Manual
 24v
 120v
 240v
7. Do you require an End Switch?
8. Z position or Modulating Actuator?