

## 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 following<sup>1</sup>:*

    - ☐ Series 50 with L Boot<sup>2</sup>
    - ☐ Series 50 with Straight Boot<sup>2</sup>
    - ☐ Series 50 with End Boot<sup>2</sup>
    - ☐ 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
- <sup>1</sup> 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**
- <sup>2</sup> Optional 8” throat available upon request.



# Product Survey

## Combination Fire & Smoke Dampers



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





# 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?

