

# Leader's Quick Reference Guide

## Specify style of damper desired as follows:

**Type A**, Blades and frame in air stream.

**Type B**, Blades only out of air stream.

**Type CR**, Round high pressure - 100% free area – sealed.

**Type CO**, Oval high pressure - 100% free area – sealed.

**Type C**, Square/rectangular high pressure - 100% free area – sealed.

**Type R**, Round low pressure - less than 100% free area – unsealed.

**Type DR**, Round low pressure - 100% free area – unsealed.

**Type DO**, Oval low pressure - 100% free area – unsealed.

**Type D**, Square/rectangular low pressure - 100% free area – unsealed.

**Type OW**, Type "A" damper approved for out of wall installations.

## FIRE DAMPERS - Curtain Style

### **Dynamic Rated**

Model **D1-115** - Thinline (2"): 1½ hour rated, vertical mounted

**D1-120** - Thinline (2¾"): 1½ hour rated, vertical mounted.

**D1-205** - Standard (4½" ) 1½ hour rated, horizontal/vertical mounted.

**D1-207** - Stainless steel (4½" ), 1½ hour rated, horizontal/vertical mounted.

**D1-215** - Standard (4½") 1½ hour rated, vertical mounted.

**D1-255** - Standard (4½") 3 hour rated, vertical mounted.

**D1-277** - Stainless steel (4½"), 1½ hour rated, vertical mounted.

**D1-315** - Wide Blade (6"): 1½ hour rated, vertical mounted.

### **Static Rated**

Model **U-105** - Thinline (2"): 1½ hour rated, horizontal/vertical mounted.

**U-110** - Thinline (2¾"): 1½ hour rated, horizontal/vertical mounted.

**U-115** - Thinline (2"): 1½ hour rated, vertical mounted

**U-120** - Thinline (2¾"): 1½ hour rated, vertical mounted.

**U-205** - Standard (4½"), 1½ hour rated, horizontal/vertical mounted.

**U-207** - Stainless steel (4½"), 1½ hour rated, horizontal/vertical mounted.

**U-215** - Standard (4½"), 1½ hour rated, vertical mounted.

**U-255** - Standard (4½"), 3 hour rated, vertical mounted.

**U-277** - Stainless steel (4½"), 1½ hour rated, vertical mounted.

**U-305** - Wide Blade (6"): 1½ hour rated, horizontal/vertical mounted.

**U-315** - Wide Blade (6"): 1½ hour rated, vertical mounted.

## **FIRE DAMPERS - Multi-Blade Style**

### **Dynamic Rated**

Model **D-505** - Crimp Blade, Horizontal / Vertical Mounted, 1-1/2 hour rated

**D-605** - Airfoil Blade, Horizontal / Vertical Mounted, 1-1/2 hour rated

## **COMBINATION FIRE AND SMOKE DAMPERS - Multi-Blade**

Model **D-501** - Crimp Blade, Class 1, Horizontal / Vertical Mounted, 1½ Hour Rated

**D-502** - Crimp Blade, Class 2, Horizontal / Vertical Mounted, 1½ Hour Rated

**D-503** - Crimp Blade, Class 3, Horizontal / Vertical Mounted, 1½ Hour Rated

**CD-501** - Corridor Damper, Crimp Blade, Class 1, Horizontal Mounted, 1 Hour Rated

**CD-502** - Corridor Damper, Crimp Blade, Class 2, Horizontal Mounted, 1 Hour Rated

**601** - Airfoil Blade, Class 1, Horizontal / Vertical Mounted., 1½ Hour Rated

**602** - Airfoil Blade, Class 2, Horizontal / Vertical Mounted., 1½ Hour Rated

## **SMOKE DAMPERS - Multi-Blade**

Model **SMD-1** - Crimp Blade, Class 1, Horizontal / Vertical Mounted

**SMD-2** - Crimp Blade, Class 2, Horizontal / Vertical Mounted

**SMD-3** - Crimp Blade, Class 3, Horizontal / Vertical Mounted

**ASMD-1** - Airfoil Blade, Class 1, Horizontal / Vertical Mounted.

**ASMD-2** - Airfoil Blade, Class 2, Horizontal / Vertical Mounted.

## **CEILING RADIATION DAMPERS**

Model **CFD-1** - Butter-Fly Blades, Rectangular, 4 Hour Rated

**CFD-1A** - Butter-Fly Blades, Adjustable Volume Control, Rectangular, 4 Hour Rated

**CFD-R** - Butter-Fly Blades, Round, 4 Hour Rated

**CFD-RA** - Butter-Fly Blades, Adjustable Volume Control, Round, 4 Hour Rated

**CFD-H** - Hinged Door Blade, Rectangular, 4 Hour Rated

**TIB** - Thermal Insulating Blanket

# **LEADER**

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Nashville, TN 37204  
<http://www.leaderindustries.com>  
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## AIR CONTROL DAMPERS - Volume Dampers

- Model **ES-1** - Light Duty Balancing Damper, Rectangular, 22 ga Blade, ¼" Shaft  
**ER-4** - Light Duty Balancing Damper, Round, 20 ga Blade, ¼" Shaft  
**BS-1** - Light Duty Balancing Damper, Rectangular, 20 ga Blade, 3/8" Shaft  
**BR-4** - Light Duty Balancing Damper, Round, 20 ga Blade, 3/8" Shaft  
**MS-1** - Manual Volume Damper, Rectangular, 18 ga Single Blade, Not 100% Shut Off  
**MP-2** - Manual Volume Damper, Rectangular, 18 ga Parallel Blade, Not 100% Shut Off  
**MO-3** - Manual Volume Damper, Rectangular, 18 ga Opposed Blade, Not 100% Shut Off  
**DS-1** - Control Damper, Rectangular, 16 ga Single Blade-Crimped, ½" Shaft  
**DP-2** - Control Damper, Rectangular, 16 ga Parallel Blade-Crimped, ½" Shaft  
**DO-3** - Control Damper, Rectangular, 16 ga Opposed Blade-Crimped, ½" Shaft  
**DR-4** - Control Damper, Round, 14 ga Blade, ½" Shaft  
**ADP-2** - Control Damper, Rectangular, 14 ga Equivalent St., Parallel Blade-Airfoil, ½" Shaft  
**ADO-3** - Control Damper, Rectangular, 14 ga Equivalent St., Opposed Blade-Airfoil, ½" Shaft  
**APCD** - Control Damper, Rectangular, 13 ga Extr. Alum., Parallel Blade-Airfoil, ½" Shaft  
**AOCD** - Control Damper, Rectangular, 13 ga Extr. Alum., Opposed Blade-Airfoil, ½" Shaft

### Shutters and Counter-Balanced Dampers

- BDF** - Backdraft Damper, Rectangular, Fabric Blade, Light Duty  
**BDA** - Backdraft Damper, Rectangular, Extruded Aluminum Construction, Light Duty  
**CP-2** - Counter-Balanced Damper, Rectangular, Formed Alum. Blade, Medium Duty

## DUCT ACCESS DOORS

- Model **ADC** - 1" Insulated with Double Cams, 22 ga Galvanized Steel  
**ADH** - 1" Insulated with 1-Side Cams and 1-Side Hinge, 22 ga Galvanized Steel

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