



5 Sandhill Court, Unit C
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 info@airex.ca
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Complete this selection
 worksheet & email to:
 info@airex.ca
**Get in touch &
 let's get to work.**

SELECTION WORKSHEET & APPLICATION GUIDE

FIRE & SMOKE DAMPER

Airex provides the following guide for informational and reference purposes only.

Project Name: _____ Date: MM/DD/YYYY
 Address: _____
 Engineer: _____
 Customer: _____

Application

Project Type _____

i.e: School, WTP, Restaurant etc...

Hour Rating

- 1
- 2

Size & Type

width/height _____ units
 Static (Table 1)
 Dynamic (Table 2)

Are you matching another product? Yes No

Manufacturer: _____

Model: _____

Frame

- A
- B

Angles

- Yes
 - Both Sides
 - One Side
- No (FireStop)

Leakage Class Installation

(choose one)

- 1 (Best)
- 2 (Standard)
- 3

Vertical: Use Wall Columns
 Horizontal: Use Floor Columns
 UL555C Table 3

Sleeve

- Yes
 - In wall
 - Out of Wall
- No

Fire Dampers require access to the damper for testing. Do you require access doors? Y / N

Model Selection Table

Instructions

1. Fill out the above questions.
2. Use the information to find the correct table
3. Match the Hour Rating, Sleeve and Blade Type
4. Confirm that the size of the damper falls under the maximum size noted in the appropriate column

*note: Dimensions are in Inches, in the form of (Width)" x (Height)". Single numbers denote the diameter. Dimensions with * mean those dimensions are valid for Width x Height AND Height x Width*

Round Shape										
	Leakage Rating	Hour Rating	Blade Type	Model	Wall (Vertical)	Floor	One Angle	Round Duct	"Tunnel" Corridor Ceilings	Smoke Detector
	1	1.5	Round	FSDR25	24	24	24	24		C/F
	2	1	Round	FSD60/36 C-Tunnel Corridor	24x24	24x24		22	24x24	C/F
	1	1	Round	DFSDR1 Tunnel Corridor				12	12	C/F



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Table2: 1.5 Hour Rated

	Leakage Rating	Hour Rating	Blade Type	Model	Wall (Vertical)	Floor (Max Size)	One Angle	Out of Wall/ Floor	Grille Access	Round Duct	Fire Stop No Angles	"Tunnel" Corridor Ceilings	Smoke Detector
	1	1.5	Airfoil	FSD60	120x96	144x96	90x48 *			94	90x48		YES
	1	1.5		FSD60LP	36x14	36x14	36x14				36x14		
	1	1.5		FSD60M - Modulating	120x48 or 64x96	120x48 or 64x96	90x48 *						YES
	1	1.5		FSD60-BAL	32x48	30x48	32x48 or 30x48		48x48 (FSD-60FA-BL)				C/F
	1	1.5	Air-Foil	FSD60FA - Front Access					48x48	C/F			C/F
	1	1.5	3V	FSD37	120x96	144x96	90x48 *			94		90x48	YES
	1	1.5	3V	FSD37SS - Stainless	90x32	90x32	90x32						
	2	1.5	Airfoil	FSD60-2	120x96	144x96	90x48 *			94		90x48	YES
	2	1.5	Airfoil	FSD60-V - Vertical Blade	48x32	48x32	48x32		36x32 (FSD60-VGA)	30		48x32	YES
	2	1.5	3V	FSD36FA - Front Access					36x36	C/F			C/F
	2	1.5	3V	FSD36	126x96 or 72x122	144x96	90x48 *			94		90x48	YES
	2	1.5	3V	FSD36SS - Stainless	90x48	90x48	90x48						
	3	1.5	3V	FSD35	126x96	144x96	90x48 *			94		90x48	YES
	3	1.5	3V	FSD35SS - Stainless	90x48		90x48						
	3	1.5	3V	FSD "OW" - Out of Wall/ Floor				36x36	36x32 (FSD60V-OW)	34			YES
		1.5		FSD "GA" - Grille Access					36x36	34			
		1.5	3V	FSD60/36C - Tunnel Corridor	24x24	24x24				22		24x24	C/F

Table 3: 3 Hour Rated

	1	3	Airfoil	FSD60-3	120x96					94	90x48		YES
	1	3	Airfoil	FSD60-3M - Modulating	120x48								