



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

# SELECTION WORKSHEET & APPLICATION GUIDE

## FIRE DAMPER

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

Project Name: \_\_\_\_\_ Date: MM/DD/YYYY  
 Address: \_\_\_\_\_  
 Engineer: \_\_\_\_\_  
 Customer: \_\_\_\_\_

### Application

Are you matching another product? Yes No

Manufacturer: \_\_\_\_\_

Project Type \_\_\_\_\_ Model: \_\_\_\_\_

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

Hour Rating	Size & Type	Installation	Frame	Sleeve	Angles
1.5	width/height _____ units	Vertical: Use Wall Columns	A	Yes	Yes
3	Static (Table 1)	Horizontal: Use Floor Columns	B	In wall	Both Sides
	Dynamic (Table 2)	Table 3: UL555C		Out of Wall	One Side
				No	No (FireStop)

### Model Selection Tables

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

#### 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.  
 \* = can be used as (Width)" x (Height)" or (Height)" x (Width)"*

	Hour Rating	Blade Type	Sleeve	Model	Wall (2 Angles)	Floor	One Angle	Out of Wall/ Floor	Grille access	Round Duct	Fire Stop
	1.5	Curtain	NO	IBD2	120x72	90x91	90x48			85	90x48
	1.5	Curtain	YES	IBD20,40,60	84x72	84x84	84x84			31	84x84
	1.5	Curtain	NO	IBDT - Thin Line	40x48	60x12	40x48				40x48
	1.5	Curtain	YES	IBD2GA					36X36		
	1.5	Curtain	YES	IBD2OW				36X36		34	
	1.5	3V	NO	FD35	120x96	120x96	90x48*				90x48
	1.5	AirFoil	NO	FD60	120x96	120x96	90x48*				90x48
	3	AirFoil	OPTION	FD60-3	120x96	120x96					
	1.5	AirFoil	YES	FD60-OW				32X36			
	1.5	AirFoil	YES	FD60GA				32X36	YES		
	1.5	3V	YES	FD35GA				32X36	YES		
	3	Curtain	NO	IBD23	90X72	90X91				85	90X48
	3	Curtain	YES	IBD230,430,630	84X72	84X84				31	84X84
	3	3V	NO	FD35SS	90X48	90X48					90X48



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Table 2: Dynamic Fire Dampers											
UL555 Dynamic "Fans On" Fire dampers (IBD) Curtain Type or (FD) Multiple Blade Type											
	Hour Rating	Blade Type	Sleeve	Model	Wall (2 Angles)	Floor	One Angle	Out of Wall/Floor	Grille access	Round Duct	Fire Stop
	1.5	Curtain Curtain	NO	DIBD2	72x48* or 120x24	36x48	72x48*			34	72X48*
	1.5	Curtain	NO	DIBD2SS	72x48		72x48*				
	3	Curtain	NO	DIBD23	72x48 or 48x72	36x48				31	72X48*
	1.5	Curtain	YES	DIBD20,40,60	72x48 or 48x72	36x48	72x48*			31	72X48*
	3	Curtain	YES	DIBD230,430,630	72x48 or 48x72	36x48				31	72X48*
	1.5	Curtain	YES	DIBD2GA							
	1.5	3V	NO	DIBD2OW				36X36			
	1.5	3V	YES	DFD35SS	90x48		90x48				90x48
	1.5	V Blade	YES	DFD35OW				36X36			
	1.5	V Blade	YES	FRD25 - True Round	24	24	24			24	
	1.5	V Blade	OPTION	DFD35	72x96 or 126x48						90x48
	1.5	Airfoil	OPTION	DFD60	64x96/ 120x48						90x48
	3	Airfoil	OPTION	DFD60-3	60x96/ 120x48						
	1.5	V Blade	OPTION	DFD35SS	90x48						

Table 3: UL555C Ceiling Fire Dampers					
	Blade Type	Model	Max Size	Round Duct	Notes
	Butterfly	CFD (R) 2, 3, 4, 5	24x24	20	R for Round
	Butterfly	CFD7	16x12		Wood Joist
	Butterfly	CFD7(T)	18x18		Wood Truss Wood Truss
	Butterfly	CFDR7T (Round)	18		Wood Truss
	Butterfly	CFD (R) 2W, 3W, 4W, 5W	24x24	20	Wood Truss
	Motorized	DFSDR1	12		Motorized Damper