



MODEL	Type	FIRE RATING (hours)	MAXIMUM SIZES													MAXIMUM VELOCITY (ft per minute)	MAXIMUM PRESSURE (in. wg)				
			MOUNT / LINK (°F)	SINGLE SECTION (W x H, in.)			Diameter (in.)				Multi-Section										
				A	B & B2	C & CO	CR	R		A	B & B2	C & CO	CR	Diameter (in.)							
								1" offset	2" offset					1" offset	2" offset						
Dynamic-Rated Fire Dampers																					
narrowline frame DFD-110	Curtain	1.5	V	165° only	36 x 36	36 x 31	---				72 x 48 or 60 x 60	72 x 45 or 60 x 56	---			2000	4				
				up to 212°	24 x 24 or 18 x 30	24 x 21 or 18 x 26					48 x 36 or 18 x 48	48 x 31 or 18 x 45									
				up to 286°	24 x 24 or 18 x 30	24 x 21 or 18 x 26					18 x 48	18 x 45									
			H	165° only	30 x 30	30 x 26	---				48 x 36	48 x 33	---			2000	4				
				up to 212°	24 x 24	24 x 21					48 x 36	48 x 33									
				up to 286°	24 x 24	24 x 21					---	---	---								
			V	165° only	30 x 30	30 x 26	---				---						3000	4			
				up to 286°	18 x 30	18 x 26															
			V	165° only	24 x 24 or 18 x 30	24 x 21 or 18 x 26	---				---						4000	4			
				up to 286°	18 x 30	18 x 26															
			standard frame DFD-150	Curtain	1.5	V	165° only	36 x 36	36 x 31	34 x 30	30	35	34	72 x 48 or 60 x 60 or 120 x 30	72 x 45 or 60 x 56 or 120 x 26	70 x 44 or 58 x 55 or 118 x 25	55	59	58	2000	4
							up to 212°	24 x 24 or 18 x 30	24 x 21 or 18 x 26	22 x 20 or 16 x 25	20	23	22	48 x 36 or 18 x 60	48 x 31 or 18 x 55	46 x 30 or 16 x 55	30	35	34		
up to 286°	24 x 24 or 18 x 30	24 x 21 or 18 x 26					22 x 20 or 16 x 25	20	23	22	24 x 24 or 18 x 60	24 x 21 or 18 x 55	22 x 20 or 16 x 55	20	23	22					
H	165° only	30 x 30				30 x 26	28 x 25	25	29	28	48 x 36	48 x 33	46 x 32	32	35	34	2000	4			
	up to 212°	24 x 24				24 x 21	22 x 20	20	23	22	48 x 36	48 x 33	46 x 32	32	35	34					
	up to 286°	24 x 24				24 x 21	22 x 20	20	23	22	---										
V	165° only	30 x 30				30 x 26	28 x 25	25	29	28	---						3000	4			
	up to 286°	18 x 30				18 x 26	16 x 25	16	17	16	---										
V	165° only	24 x 24 or 18 x 30				24 x 21 or 18 x 26	22 x 20 or 16 x 25	20	23	22	---						4000	4			
	up to 286°	18 x 30				18 x 26	16 x 25	16	17	16	---										
integral sleeve DFD-150x12, DFD-150x16	Curtain	1.5				V	165° only	36 x 36	36 x 31	34 x 30	30	35	34	---						2000	4
							up to 212°	24 x 24 or 18 x 30	24 x 21 or 18 x 26	22 x 20 or 16 x 25	20	23	22	---							
			up to 286°	24 x 24 or 18 x 30	24 x 21 or 18 x 26		22 x 20 or 16 x 25	20	23	22	---										
			H	165° only	30 x 30	30 x 26	28 x 25	25	29	28	---						2000	4			
				up to 212°	24 x 24	24 x 21	22 x 20	20	23	22	---										
				up to 286°	24 x 24	24 x 21	22 x 20	20	23	22	---										
			V	165° only	30 x 30	30 x 26	28 x 25	25	29	28	---						3000	4			
				up to 286°	18 x 30	18 x 26	16 x 25	16	17	16	---										
			V	165° only	24 x 24 or 18 x 30	24 x 21 or 18 x 26	22 x 20 or 16 x 25	20	23	22	---						4000	4			
				up to 286°	18 x 30	18 x 26	16 x 25	16	17	16	---										
			Out of Wall ODFD-150	Curtain	1.5	V	165° only	36 x 36	36 x 31	---				---						2000	4
							up to 212°	24 x 24 or 18 x 30	24 x 21 or 18 x 26					36 x 36	36 x 31	---					
up to 286°	24 x 24 or 18 x 30	24 x 21 or 18 x 26									36 x 36	36 x 31	---								
H	165° only	30 x 30				30 x 26	---				36 x 36	36 x 31	---			2000	4				
	up to 212°	24 x 24				24 x 21					36 x 36	36 x 31	---								
	up to 286°	24 x 24				24 x 21					---										
V	165° only	30 x 30				30 x 26	---				---						3000	4			
	up to 286°	18 x 30				18 x 26															
V	165° only	24 x 24 or 18 x 30				24 x 21 or 18 x 26	---				---						4000	4			
	up to 286°	18 x 30				18 x 26															
DFD-210	Multi-Blade	1.5				H	up to 286°	32 x 50 or 36 x 36	---	30x48 or 34x34 (C) 34x33 or 30x29 (O)	---	31	30	128 x 96	---	92 x 82 (C) 92 x 80 (O)	---	83	82	2000	4
							V	up to 286°	32 x 50 or 36 x 36	---	30x48 or 34x34 (C) 34x33 or 30x29 (O)	---	35	34	128 x 100	---	92 x 82 (C) 92 x 80 (O)	---	83	82	2000
			H or V	up to 350°	36 x 36	---	34 x 34 (C) 34 x 33 (O)	---	35	34	---						2000	4			
			H or V	up to 286°	32 x 50	---	30 x 48 (C) 30 x 29 (O)	---	49	48	64 x 50	---	62 x 48 (C&O)	---	49	48	2000	10			
			H or V	up to 212°	32 x 50	---	30 x 48 (C&O)	---	31	30	---						4000	10			
316 stainless steel SEDFD-210	Multi-Blade	1.5	H or V	up to 286°	24 x 30	---	22 x 28 (C& O)	---	23	22	48 x 30	---	46 x 28 (C&O)	---	29	28	2000	4			
				up to 350°	24 x 30	---	22 x 28 (C& O)	---	---	22	---						4000	10			
				up to 286°	24 x 30	---	22 x 28 (C& O)	---	---	---											
DFDAF-310	Multi-Blade	1.5	H	up to 350°	32 x 50	---	30 x 48 (C&O)	---	31	30	144 x 96	---	92 x 82 (C) 92 x 80 (O)	---	83	82	2000	4			
				V	up to 350°	32 x 50	---	30 x 48 (C&O)	---	31	30	128 x 100	---	92 x 82 (C) 92 x 80 (O)	---	83	82	2000	4		
			H or V	up to 350°	32 x 36	---	30 x 34 (C&O)	---	31	30	64 x 50	---	30 x 48 (C & O)	---	49	48	2000	8			
			H or V	up to 350°	32 x 50	---	30 x 48 (C&O)	---	31	30	---	---	---	---	---	4000	8				
DFDR-510	True Round	1.5	H or V	up to 350°	24" diameter	---											2000	4			
304 stainless steel SSDFDR-510	True Round	1.5	H or V	up to 286°	24" diameter	---											2000	4			



Listings / Approvals		
UL Category EMME (all models)	California State Fire Marshal	
R13317	DFD-2xx and DFDAF-310	3225-0981:103
	DFD-1xx and DFD-3xx	3225-0981:102
	DFDR	3225-0981:0112

MODEL	Type	FIRE RATING (hours)	MAXIMUM SIZES													MAXIMUM VELOCITY (ft per minute)	MAXIMUM PRESSURE (in. wg)				
			MOUNT / LINK (°F)	SINGLE SECTION (W x H, in.)			Diameter (in.)				Multi-Section										
											(W x H, in.)			Diameter (in.)							
				A	B & B2	C & CO	CR	R 1" offset 2" offset		A	B & B2	C & CO	CR	R 1" offset 2" offset							
narrowline frame DFD-310	Curtain	3	V	165° only	36 x 36	36 x 31	---				48 x 48	48 x 45	---				2000	4			
				up to 212°	24 x 24 or 18 x 30	24 x 21 or 18 x 26	---				48 x 36 or 18 x 48	48 x 31 or 18 x 45	---								
				up to 286°	24 x 24 or 18 x 30	24 x 21 or 18 x 26	---				18 x 48	18 x 45	---								
			H	165° only	30 x 30	30 x 26	---				48 x 36	48 x 33	---				2000	4			
				up to 212°	24 x 24	24 x 21	---				48 x 36	48 x 33	---								
				up to 286°	24 x 24	24 x 21	---				---										
			V	165°	30 x 30	30 x 26	---				---						3000	4			
				up to 286°	18 x 30	18 x 26	---				---										
V	165° only	24 x 24 or 18 x 30	24 x 21 or 18 x 26	---				---						4000	4						
	up to 286°	18 x 30	18 x 26	---				---													
standard frame DFD-350	Curtain	3	V	165° only	36 x 36	36 x 31	34 x 30	30	35	34	48 x 48	48 x 45	46 x 44	44	47	46	2000	4			
				up to 212°	24 x 24 or 18 x 30	24 x 21 or 18 x 26	22 x 20 or 16 x 25	20	23	22	48 x 36 or 18 x 48	48 x 31 or 18 x 45	46 x 30 or 16 x 44	30	35	34					
				up to 286°	24 x 24 or 18 x 30	24 x 21 or 18 x 26	22 x 20 or 16 x 25	20	23	22	24 x 24 or 18 x 48	24 x 21 or 18 x 45	22 x 20 or 16 x 44	20	23	22					
			H	up to 165°	30 x 30	30 x 26	28 x 25	28	29	28	48 x 36	48 x 33	46 x 32	32	35	34	2000	4			
				up to 212°	24 x 24	24 x 21	22 x 20	20	23	22	48 x 36	48 x 33	46 x 32	32	35	34					
				up to 286°	24 x 24	24 x 21	22 x 20	20	23	22	---										
			V	165° only	30 x 30	30 x 26	28 x 25	25	29	28	---						3000	4			
				up to 286°	18 x 30	18 x 26	16 x 25	25	17	16	---										
			V	165° only	24 x 24 or 18 x 30	24 x 21 or 18 x 26	22 x 20 or 16 x 25	20	23	22	---						4000	4			
				up to 286°	18 x 30	18 x 26	16 x 25	16	17	16	---										
			multi-blade airfoil DFDAF-330	Multi-Blade	3	H	up to 350°	30 x 48	---	28 x 46	---	29	28	144 x 96	---	92 x 82 (C) 92 x 80 (O)	---	83	82	2000	4
						V	up to 350°	32 x 36 or 30 x 48	---	28 x 46	---	31	30	120 x 96	---	92 x 82 (C) 92 x 80 (O)	---	83	82	2000	4
H or V	up to 350°	30 x 48				---	28 x 46	---	29	28	---						4000	8			
304 stainless steel, standard frame SSDFD-350	Curtain	3	V	up to 212°	30 x 30	30 x 26	28 x 25	25	29	28	---						2000	4			
				up to 286°	24 x 24	24 x 21	22 x 20	20	23	22	---										