

**Dynamic Fire Damper UL Listings**



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

MODEL	MAXIMUM VELOCITY (ft per minute)	MAXIMUM PRESSURE (in. w.g.)	MOUNT / LINK	MAXIMUM SIZES**														
				SINGLE SECTION (W x H, in.)						Multi-Section (W x H, in.)								
				A	B & B2	C & CO	CR	R			A	B & B2	C & CO	CR	diameter (in.)			
								0"	1"	2"					0" offset	1" offset	2" offset	
<b>Dynamic-Rated Fire Dampers</b>																		
<i>narrowline frame</i> <b>DFD-110</b>	2000	4	V	165° only	36 x 36	36 x 31							72 x 48	72 x 45				
				up to 212°	24 x 24	24 x 21							48 x 36 or 18 x 48	48 x 31 or 18 x 45				
				up to 286°	24 x 24	24 x 21							18 x 48	18 x 45				
			H	165° only	30 x 30	30 x 26							48 x 36	48 x 33				
				up to 212°	24 x 24	24 x 21							48 x 36	48 x 33				
				up to 286°	24 x 24	24 x 21							---	---				
	3000	4	V	165° only	30 x 30	30 x 26							---	---				
				up to 286°	18 x 30	18 x 26							---	---				
				165° only	24 x 24 or 18 x 30	24 x 21 or 18 x 26							---	---				
4000	4	V	up to 286°	18 x 30	18 x 26							---	---					
			165° only	24 x 24 or 18 x 30	24 x 21 or 18 x 26							---	---					
			up to 286°	18 x 30	18 x 26							---	---					
<i>standard frame</i> <b>DFD-150</b>	2000	4	V	165° only	36 x 36	36 x 31	34 x 30	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	30	59	58
				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	24	23	22	48 x 36 or 18 x 60	48 x 31 or 18 x 56	46 x 30 or 16 x 55	30	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	24	23	22	24 x 24 or 18 x 60	24 x 21 or 18 x 56	22 x 20 or 16 x 55	20	24	23	22
			H	165° only	30 x 30	30 x 26	28 x 25	25	30	29	28	48 x 36	48 x 33	46 x 32	32	30	35	34
				up to 212°	24 x 24	24 x 21	22 x 20	20	24	23	22	48 x 36	48 x 33	46 x 32	32	30	35	34
				up to 286°	24 x 24	24 x 21	22 x 20	20	24	23	22	---	---	---	---	---	---	---
	3000	4	V	165° only	30 x 30	30 x 26	28 x 25	28	30	29	28	---	---	---	---	---	---	
				up to 286°	18 x 30	18 x 26	16 x 25	16	18	17	16	---	---	---	---	---	---	
				165° only	24 x 24 or 18 x 30	24 x 21 or 18 x 26	22 x 20 or 16 x 25	20	24	23	22	---	---	---	---	---	---	
	4000	4	V	up to 286°	18 x 30	18 x 26	16 x 25	16	18	17	16	---	---	---	---	---	---	
				165° only	24 x 24 or 18 x 30	24 x 21 or 18 x 26	22 x 20 or 16 x 25	20	24	23	22	---	---	---	---	---	---	
				up to 286°	18 x 30	18 x 26	16 x 25	16	18	17	16	---	---	---	---	---	---	
<i>integral sleeve</i> <b>DFD-150x12, DFD-150x16</b>	2000	4	V	165° only	36 x 36	36 x 31	34 x 30	30	30	35	34							
				up to 212°	24 x 24 or 18 x 30	24 x 21 or 18 x 26	22 x 20 or 16 x 25	22	24	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	22	24	23	22							
			H	165° only	30 x 30	30 x 26	28 x 25	25	30	29	28							
				up to 212°	24 x 24	24 x 21	22 x 20	22	24	23	22							
				up to 286°	24 x 24	24 x 21	22 x 20	22	24	23	22							
	3000	4	V	165° only	30 x 30	30 x 26	28 x 25	28	30	29	28							
				up to 286°	18 x 30	18 x 26	16 x 25	16	18	17	16							
				165° only	24 x 24 or 18 x 30	24 x 21 or 18 x 26	22 x 20 or 16 x 25	22	24	23	22							
4000	4	V	up to 286°	18 x 30	18 x 26	16 x 25	16	18	17	16								
			165° only	24 x 24 or 18 x 30	24 x 21 or 18 x 26	22 x 20 or 16 x 25	22	24	23	22								
			up to 286°	18 x 30	18 x 26	16 x 25	16	18	17	16								

1.5 HOUR FIRE RATING CURTAIN

**Dynamic Fire Damper UL Listings**



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	MAXIMUM VELOCITY (ft per minute)	MAXIMUM PRESSURE (in. w.g.)	MOUNT / LINK	MAXIMUM SIZES**															
				SINGLE SECTION (W x H, in.)						Multi-Section (W x H, in.)									
				A	B & B2	C & CO	CR	R			A	B & B2	C & CO	CR	diameter (in.)				
								0"	1"	2"					0" offset	1" offset	2" offset		
<b>Dynamic-Rated Fire Dampers</b>																			
<b>ODFD-150</b>	2000	4	V	165° only	36 x 36	36 x 31	---	---	---	---	---	---	---	---	---	---			
				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	
				up to 212°	24 x 24	24 x 21											36 x 36	36 x 31	
				up to 286°	24 x 24	24 x 21											---	---	
	3000	4	V	165° only	30 x 30	30 x 26	---	---	---	---	---	---	---	---	---	---	---		
				up to 286°	18 x 30	18 x 26	---	---											
				165° only	24 x 24 or 18 x 30	24 x 21 or 18 x 26	---	---											
	4000	4	V	up to 286°	18 x 30	18 x 26	---	---	---	---	---	---	---	---	---	---	---		
				<b>standard frame, stainless steel SSDFD-150</b>	2000	4	V	up to 212°	30 x 30	30 x 26	---	---	28 x 25	25	30	29	28		
								up to 286°	24 x 24	24 x 21	---	---	22 x 20	20	24	23	22		
<b>multi-blade DFD-210</b>	2000	10	H or V	up to 212°	32 x 50	---	30 x 48 (C&O)	---	30	31	30	64 x 50	---	62 x 48 (C&O)	---	30	49	48	
				up to 350°	36 x 36	---	34 x 34 (C&O)	---	30	35	34	---	---	34 x 34 (C&O)	---	30	35	34	
				up to 212°	32 x 50	---	30 x 48 (C&O)	---	30	31	30	---	---	30 x 48 (C&O)	---	30	31	30	
<b>multi-blade 316 stainless steel SEDFD-210</b>	2000	4	H or V (up to 350°)*	24 x 30	---	22 x 28 (C&O)	---	24	23	22	48 x 30	---	46 x 28 (C&O)	---	30	29	28		
<b>multi-blade airfoil DFDAF-310</b>	2000	4	H or V (up to 350°F)	32 x 50	---	30 x 48 (C&O)	---	---	---	---	32 x 50	96 x 50	62 x 48 (C&O)	---	30	49	48		
	4000	8		32 x 50	---	30 x 48 (C&O)	---	---	---	---	32 x 50	---	30 x 48	---	30	31	30		
<b>True Round DFDR-510</b>	2000	4	H or V (up to 286°)	24" diameter	---														
<b>True Round stainless steel SSDFDR-510</b>	2000	4	H or V (up to 286°)	24" diameter	---														
<b>narrowline frame DFD-310</b>	2000	4	V	165° only	36 x 36	36 x 31	---	---	---	---	---	---	---	---	---	---	---		
				up to 212°	24 x 24	24 x 21												48 x 36 or 18 x 48	48 x 31 or 18 x 45
				up to 286°	24 x 24	24 x 21												18 x 48	18 x 45
			H	165° only	30 x 30	30 x 30												40 x 36	40 x 33
				up to 212°	24 x 24 or 18 x 30	24 x 21 or 18 x 26												40 x 36	40 x 33
				up to 286°	24 x 24 or 18 x 30	24 x 21 or 18 x 26												---	---
	3000	4	V	165°	30 x 30	30 x 26	---	---	---	---	---	---	---	---	---	---	---	---	
				up to 286°	18 x 30	18 x 26	---	---											
				165° only	24 x 24 or 18 x 30	24 x 21 or 18 x 26	---	---											
	4000	4	V	up to 286°	18 x 30	18 x 26	---	---	---	---	---	---	---	---	---	---	---	---	
				165° only	24 x 24 or 18 x 30	24 x 21 or 18 x 26	---	---											
				up to 286°	18 x 30	18 x 26	---	---											

1.5 HOUR FIRE RATING

FIRE RATING  
JRTAIN

Dynamic Fire Damper UL Listings



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	MAXIMUM VELOCITY (ft per minute)	MAXIMUM PRESSURE (in. w.g.)	MOUNT / LINK	MAXIMUM SIZES**															
				SINGLE SECTION (W x H, in.)						Multi-Section (W x H, in.)									
				A	B & B2	C & CO	CR	R			A	B & B2	C & CO	CR	diameter (in.)				
								0"	1"	2"					0" offset	1" offset	2" offset		
<b>Dynamic-Rated Fire Dampers</b>																			
3 HOUR	C	standard frame DFD-350	2000	V	165° only	36 x 36	36 x 31						48 x 48	48 x 45	46 x 44	44	30	47	46
					up to 212°	24 x 24	24 x 21					48 x 36 or 18 x 48	48 x 31 or 18 x 45	46 x 30 or 16 x 44	30	30	35	34	
					up to 286°	24 x 24	24 x 21					24 x 24 or 18 x 48	24 x 21 or 18 x 45	22 x 20 or 16 x 44	20	24	23	22	
				H	up to 212°	30 x 30	30 x 26					40 x 36	40 x 33	38 x 32	32	30	35	34	
					up to 286°	24 x 24	24 x 21	22 x 20	20	24	23	22	---	---	---	---	---	---	
					V	165° only	30 x 30	30 x 26	28 x 25	25	30	29	28	---	---	---	---	---	---
			up to 286°	18 x 30		18 x 26	16 x 25	25	18	17	16	---	---	---	---	---	---		
			165° only	18 x 30		18 x 26	16 x 25	20	24	23	22	---	---	---	---	---	---		
			up to 286°	18 x 30		18 x 26	16 x 25	16	18	17	16	---	---	---	---	---	---		
			3000	4	H	up to 212°	30 x 30	30 x 26											
up to 286°	24 x 24	24 x 21																	
up to 286°	18 x 30	18 x 26				16 x 25	25	18	17	16	---	---	---	---	---	---			
4000	V	up to 286°	18 x 30	18 x 26	16 x 25	20	24	23	22	---	---	---	---	---	---	---			
		up to 286°	18 x 30	18 x 26	16 x 25	16	18	17	16	---	---	---	---	---	---	---			