

UL555 & UL555S Combination Fire Smoke Dampers

UL555 & UL555S Combination Fire Smoke Dampers																					
Model	Fire Rating (hr.)	Leakage Class	Maximum Size (in.)*		Maximum Temperature °F (°C)	Maximum Velocity fpm (m/s)	Maximum Pressure in. wg (kPa)	Vertical Blade	Out of Wall/Floor	Round	Single Side Angle/Plate (in.)		Corridor Ceiling	Grille Installation	Smoke Detector	No Flow Smoke Detector	Quick Connect Breakaway	Drive Slip Breakaway	Security Bars	Greenheck Test Switch	Momentary Test Switch
			Horizontal	Vertical							Horizontal	Vertical									
CFSD-211	1.5	I	24 x 24	-	350° (177°)	2000 (10.2)	6 (1.5)						Yes	Yes				Yes		Yes	Yes
CFSD-212	1.5	II	24 x 24	-	350° (177°)	2000 (10.2)	6 (1.5)						Yes	Yes				Yes		Yes	Yes
FSD-211	1.5	I	144 x 96	128 x 100	350° (177°)	2000 (10.2)	4 (1)				144 x 96	80 x 50, 50 x 80, or 40 x 100			Yes	Yes	Yes	Yes	Yes	Yes	Yes
			144 x 48	128 x 48			6 (1.5)					80 x 48									
FSD-212	1.5	II	144 x 96	128 x 100	350° (177°)	2000 (10.2)	4 (1)				144 x 96	80 x 50, 50 x 80, or 40 x 100			Yes	Yes	Yes	Yes	Yes	Yes	Yes
			144 x 48	128 x 48			6 (1.5)					80 x 48									
FSD-213	1.5	III	144 x 96	128 x 100	350° (177°)	2000 (10.2)	4 (1)				144 x 96	80 x 50, 50 x 80, or 40 x 100			Yes	Yes	Yes	Yes	Yes	Yes	Yes
			144 x 48	128 x 48			6 (1.5)					80 x 48									
FSD-231	3	I	72 x 48	72 x 48	350° (177°)	2000 (10.2)	6 (1.5)							Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
FSD-311	1.5	I	96 x 50	128 x 100	350° (177°)	3000 (15.2)	4 (1)				128 x 100	80 x 50, 50 x 80, or 40 x 100			Yes	Yes	Yes	Yes	Yes	Yes	Yes
				128 x 50		4000 (20.3)															
FSD-311M	1.5	I	96 x 50	128 x 100	350° (177°)	2000 (10.2)	4 (1)				64 x 72	64 x 50 or 50 x 72			Yes	Yes	Yes	Yes	Yes	Yes	Yes
FSD-311V	1.5	I	-	100 x 32	350° (177°)	2000 (10.2)	4 (1)	Yes				64 x 32 or 32 x 32			Yes	Yes	Yes	Yes	Yes	Yes	Yes
				50 x 32		4000 (20.3)															
FSD-312	1.5	II	96 x 50	128 x 100	350° (177°)	3000 (15.2)	4 (1)				128 x 100	80 x 50, 50 x 80, or 40 x 100			Yes	Yes	Yes	Yes	Yes	Yes	Yes
				128 x 50		4000 (20.3)															
FSD-312M	1.5	II	96 x 50	128 x 100	350° (177°)	2000 (10.2)	4 (1)				64 x 72	64 x 50 or 50 x 72			Yes	Yes	Yes	Yes	Yes	Yes	Yes
FSD-331	3	I	-	120 x 96	350° (177°)	2000 (10.2)	4 (1)							Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
				120 x 50		4000 (20.3)															
FSDR-511	1.5	I	24	24	350° (177°)	3000 (15.2)	4 (1)			Yes	24	24								Yes	
FSDR-512	1.5	II	24	24	350° (177°)	3000 (15.2)	4 (1)			Yes	24	24								Yes	
GFSD-211	1.5	I	48 x 48	48 x 48	350° (177°)	2000 (10.2)	4 (1)				Yes		Yes	Yes			Yes	Yes		Yes	
GFSD-212	1.5	II	48 x 48	48 x 48	350° (177°)	2000 (10.2)	4 (1)				Yes		Yes	Yes			Yes	Yes		Yes	Yes
OFSD-211	1.5	I	-	36 x 36	350° (177°)	2000 (10.2)	6 (1.5)				Yes		Yes	Yes	Yes					Yes	Yes
OFSD-212	1.5	II	-	36 x 36	350° (177°)	2000 (10.2)	6 (1.5)				Yes		Yes	Yes	Yes					Yes	Yes
OFSD-311	1.5	I	-	36 x 36	350° (177°)	4000 (20.3)	4 (1)				Yes		Yes	Yes	Yes					Yes	Yes
OFSD-312	1.5	II	-	36 x 36	350° (177°)	4000 (20.3)	4 (1)				Yes		Yes	Yes	Yes					Yes	Yes
SEFSD-211	1.5	I	48 x 30	88 x 72	350° (177°)	2000 (10.2)	4 (1)				48 x 30	48 x 30			Yes	Yes			Yes	Yes	Yes
			48 x 30	48 x 30			6 (1.5)														
SEFSDR-511	1.5	I	24	24	350° (177°)	3000 (15.2)	4 (1)			Yes	24	24								Yes	
SSFSD-211	1.5	I	48 x 30	88 x 72	350° (177°)	2000 (10.2)	4 (1)				48 x 30	48 x 30			Yes	Yes			Yes	Yes	Yes
			48 x 30	48 x 30			6 (1.5)														
SSFSDR-511	1.5	I	24	24	350° (177°)	3000 (15.2)	4 (1)			Yes	24	24								Yes	
SSFSDR-512	1.5	II	24	24	350° (177°)	3000 (15.2)	4 (1)			Yes	24	24								Yes	

* Maximum size can be single section or multi-section. See submittals for more detail information.

UL555S Smoke Dampers

Model	Fire Rating (hr.)	Leakage Class	Maximum Size (in.)*		Maximum Temperature °F (°C)	Maximum Velocity fpm (m/s)	Maximum Pressure in. wg (kPa)	Vertical Blade	Out of Wall/Floor	Round	Single Side Angle/Plate (in.)		Corridor Ceiling	Grille Installation	Smoke Detector	No Flow Smoke Detector	Quick Connect Breakaway	Drive Slip Breakaway	Security Bars	Greenheck Test Switch	Momentary Test Switch	
			Horizontal	Vertical							Horizontal	Vertical										
SMD-201		I	144 x 100 or 288 x 50	144 x 100 or 288 x 50	350° (177°)	2000 (10.2)	4 (1)				-	-			Yes	Yes	Yes	Yes	Yes	Yes	Yes	
			144 x 48	144 x 48			6 (1.5)															
SMD-202		II	144 x 100 or 288 x 50	144 x 100 or 288 x 50	350° (177°)	2000 (10.2)	4 (1)				-	-			Yes	Yes	Yes	Yes	Yes	Yes	Yes	
			144 x 48	144 x 48			6 (1.5)															
SMD-203		III	144 x 100 or 288 x 50	144 x 100 or 288 x 50	350° (177°)	2000 (10.2)	4 (1)				-	-			Yes	Yes	Yes	Yes	Yes	Yes	Yes	
			144 x 48	144 x 48			6 (1.5)															
SMD-301		I	128 x 100 or 256 x 50	128 x 100 or 256 x 50	350° (177°)	3000 (15.2)	4 (1)				-	-			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
			128 x 50	128 x 50	350° (177°)	4000 (20.3)																
SMD-301M		I	128 x 100 or 256 x 50	128 x 100 or 256 x 50	250° (121°)	2000 (10.2)	4 (1)				-	-			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SMD-301V		I	-	100 x 32	350° (177°)	2000 (10.2)	4 (1)	Yes			-	-			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
				50 x 32		4000 (20.3)																
SMD-302		II	128 x 100 or 256 x 50	128 x 100 or 256 x 50	350° (177°)	3000 (15.2)	4 (1)				-	-			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
			128 x 50	128 x 50	350° (177°)	4000 (20.3)																
SMD-302M		II	128 x 100 or 256 x 50	128 x 100 or 256 x 50	250° (121°)	2000 (10.2)	4 (1)				-	-			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SMD-401		I	192 x 72 or 48 x 288 or 384 x 36	192 x 72	250° (121°)	2000 (10.2)	4 (1)				-	-			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
			144 x 36 or 48 x 108	144 x 36 or 48 x 108		3000(15.2)	4 (1)															
			48 x 36	48 x 36		6 (1.5)																
SMD-401M		I	144 x 36	144 x 36	250° (121°)	2000 (10.2)	4 (1)				-	-			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SMDR-501		I	24	24	350° (177°)	3000 (15.2)	4 (1)			Yes	-	-									Yes	
SMDR-502		II	24	24	350° (177°)	3000 (15.2)	4 (1)			Yes	-	-									Yes	
SESMD-201		I	144 x 100 or 288 x 50	144 x 100 or 288 x 50	350° (177°)	2000 (10.2)	4 (1)				-	-			Yes	Yes					Yes	Yes
			144 x 48	144 x 48			6 (1.5)															
SESMDR-501		I	24	24	350° (177°)	3000 (15.2)	4 (1)			Yes	-	-									Yes	
SSSMD-201		I	144 x 100 or 288 x 50	144 x 100 or 288 x 50	350° (177°)	2000 (10.2)	4 (1)				-	-			Yes	Yes					Yes	Yes
			144 x 48	144 x 48			6 (1.5)															
SSSMDR-501		I	24	24	350° (177°)	3000 (15.2)	4 (1)			Yes	-	-									Yes	
SSSMDR-502		II	24	24	350° (177°)	3000 (15.2)	4 (1)			Yes	-	-									Yes	
HSD-401		I	120 x 60 or 48 x 120	120 x 60 or 48 x 120	250° (121°)	3000 (15.2)	6 (1.5)				-	-										

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UL555 Fire Dampers

Dynamic Rated

Model	Fire Rating (hr.)	Leakage Class	Maximum Size (in.)*		Maximum Temperature °F (°C)**	Maximum Velocity fpm (m/s)	Maximum Pressure in. wg (kPa)	Vertical Blade	Out of Wall/Floor	Round	Single Side Angle/Plate (in.)		Corridor Ceiling	Grille Installation	Smoke Detector	No Flow Smoke Detector	Quick Connect Breakaway	Drive Slip Breakaway	Security Bars	Greenheck Test Switch	Momentary Test Switch		
			Horizontal	Vertical							Horizontal	Vertical											
DFD-110	1.5		48 x 36	72 x 48	286° (141°)	2000 (10.2)	4 (1)				48 x 36	72 x 48		Yes			Yes	Yes	Yes				
			-	30 x 30		3000 (15.2)					-	30 x 30											
			-	24 x 24 or 18 x 30		4000 (20.3)					-	24 x 24											
DFD-150	1.5		48 x 36	72 x 48 or 60 x 60	286° (141°)	2000 (10.2)	4 (1)				48 x 36	72 x 48 or 50 x 60		Yes			Yes	Yes	Yes				
			-	30 x 30		3000 (15.2)					-	30 x 30											
			-	24 x 24 or 18 x 30		4000 (20.3)					-	24 x 24											
DFD-150X10 DFD-150X12 DFD-150X14 DFD-150X16	1.5		36 x 36	36 x 36	286° (141°)	2000 (10.2)	4 (1)				36 x 36	36 x 36		Yes			Yes	Yes	Yes				
			-	30 x 30		3000 (15.2)					-	30 x 30											
			-	24 x 24		4000 (20.3)					-	24 x 24											
DFD-210	1.5		64 x 50	64 x 50	350° (277°)	2000 (10.2)	10 (2.5)				64 x 50	64 x 50					Yes	Yes	Yes				
			32 x 50	32 x 50	212° (100°)	4000 (20.3)					32 x 50	32 x 50											
DFD-230	3		64 x 48	64 x 48	350° (277°)	2000 (10.2)	4 (1)										Yes	Yes	Yes				
			32 x 48	32 x 48	212° (100°)	4000 (20.3)	10 (2.5)															-	-
DFD-310	3		40 x 36	48 x 48	286° (141°)	2000 (10.2)	4 (1)							Yes			Yes	Yes	Yes				
			-	30 x 30		3000 (15.2)																-	-
			-	24 x 24		4000 (20.3)																-	-
DFD-350	3		40 x 36	48 x 48	286° (141°)	2000 (10.2)	4 (1)							Yes			Yes	Yes	Yes				
			-	30 x 30		3000 (15.2)																-	-
			-	24 x 24		4000 (20.3)																-	-
DFDAF-310	1.5		96 x 50	96 x 50	350° (177°)	2000 (10.2)	4 (1)				64 x 50	64 x 50					Yes	Yes	Yes				
			32 x 50	32 x 50		4000 (20.3)	8 (2)				32 x 50	32 x 50											
DFDR-510	1.5		24	24	286° (141°)	2000 (10.2)	4 (1)			Yes	24	24											
DFDTF-210	1.5		96 x 72 or 32 x 96	96 x 72	212° (100°)	2000 (10.2)	4 (1)				96 x 72	80 x 50 or 50 x 72					Yes	Yes					
			64 x 48	64 x 50		4000 (20.3)	8 (2)				64 x 48	64 x 50											
ODFD-150	1.5		36 x 36	36 x 36	286° (141°)	2000 (10.2)	4 (1)							Yes									
			-	30 x 30		3000 (15.2)	4 (1)																
			-	24 x 24		4000 (20.3)	4 (1)																
SEDFD-210	1.5		48 x 30	48 x 30	350° (177°)	2000 (10.2)	4 (1)				48 x 30	48 x 30											
SEDFDR-510	1.5		24	24	286° (141°)	2000 (10.2)	4 (1)			Yes	24	24											
SSDFD-150	1.5		-	30 x 30	286° (141°)	2000 (10.2)	4 (1)				-	30 x 30		Yes					Yes				
SSDFD-350	3		-	30 x 30	212° (100°)	2000 (10.2)	4 (1)				-	-		Yes					Yes				
				24 x 24	286° (141°)																		
SSDFDR-510	1.5		24	24	286° (141°)	2000 (10.2)	4 (1)			Yes	24	24											

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UL555 Fire Dampers cont...

Model	Fire Rating (hr.)	Leakage Class	Maximum Size (in.)*		Maximum Temperature °F (°C)	Maximum Velocity fpm (m/s)	Maximum Pressure in. wg (kPa)	Vertical Blade	Out of Wall/Floor	Round	Single Side Angle/Plate (in.)		Corridor Ceiling	Grille Installation	Smoke Detector	No Flow Smoke Detector	Quick Connect Breakaway	Drive Slip Breakaway	Security Bars	Greenheck Test Switch	Momentary Test Switch
			Horizontal	Vertical							Horizontal	Vertical									
Static Rated																					
FD-100	1.5		-	48 x 48	-	-	-				-	48 x 48		Yes			Yes	Yes	Yes		
FD-110	1.5		48 x 48	48 x 48	-	-	-				48 x 48	48 x 48		Yes			Yes	Yes	Yes		
FD-150	1.5		96 x 48 or 120 x 40	96 x 48, 120 x 40, or 74 x 74	-	-	-				96 x 48 or 120 x 40	80 x 48 or 50 x 74		Yes			Yes	Yes	Yes		
FD-150X10 FD-150X12 FD-150X14 FD-150X16	1.5		48 x 48	48 x 48	-	-	-				48 x 48	48 x 48		Yes							
FD-300	3		-	48 x 48	-	-	-				-	-		Yes			Yes	Yes	Yes		
FD-310	3		-	48 x 48	-	-	-				-	-		Yes			Yes	Yes	Yes		
FD-350	3		80 x 40	48 x 48	-	-	-				-	-		Yes			Yes	Yes	Yes		
FDR-510	1.5		24	24	-	-	-			Yes	24	24									
OFD-150	1.5		36 x 36	36 x 36	-	-	-		Yes		-	-		Yes							
SSFD-150	1.5		36 x 36	96 x 48 or 120 x 40	-	-	-				36 x 36	80 x 48		Yes					Yes		
SSFD-350	3		-	48 x 48	-	-	-				-	-		Yes					Yes		
SSFDR-510	1.5		24	24	-	-	-			Yes	24	24									

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