

B-Pan Transitions

Galvanized Steel Fire Dampers

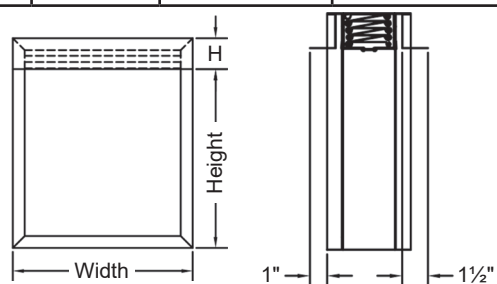
Models: 119, 117, 17S, 15S, D19, D17, 17D, 15D, 319, 317, 38S, 30S, D39, D37, 38D, 30D

APPLICATIONS

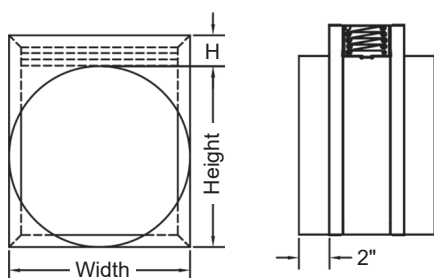
The B-Pan transition allows the blades to be out of air stream. The B-Pan transition also used for dampers less than the minimum frame size. Reference SI-SSFD for Stainless Steel construction sizes.

PANEL SIZE LIMITATIONS

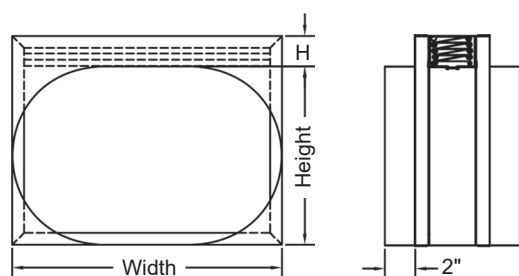
			2000 fpm, 4 in.wg (D19, D17, 17D, 15D, D39 D37, D38 AND 30D only)				4000 fpm, 4 in.wg
Orientation		Hor & Vert	Horizontal		Vertical		Vertical Only
Panel		Minimum Panel	Maximum Single Panel	Maximum Assembly	Maximum Single Panel	Maximum Assembly	Maximum Single Panel
Model	119B, 117B, 17SB, 15S	4"W x 3"H (duct) (4"W x 5"H frame)	48"W x 43"H (duct) (48"W x 48"H frame)	102"W x 43"H (duct) (102"W x 48"H frame) (36"W x 43"H section duct)	60"W x 55"H (duct) (60"W x 60"H frame)	120"W x 115"H (duct) (120"W x 120"H frame) (40"W x 60"H section duct)	N/A
	319B, 317B, 38SB, 30SB	4"W x 3"H (duct) (4"W x 5"H frame)	48"W x 43"H (duct) (48"W x 48"H frame)	72"W x 32"H (duct) (72"W x 36"H frame) (36"W x 32"H section duct)	36"W x 32"H (duct) (36"W x 36"H frame)	72"W x 68"H (duct) (72"W x 72"H frame) (36"W x 32"H section duct)	N/A
	D19B, D17B, 17DB, 15DB	4"W x 3"H (duct) (4"W x 5"H frame)	24"W x 21"H (duct) (24"W x 24"H frame)	72"W x 31"H (duct) (72"W x 36"H frame)	36"W x 32"H (duct) (36"W x 36"H frame)	72"W x 32"H (duct) (72"W x 36"H frame) (18"W x 32"H section duct)	18"W x 32"H (duct) (18"W x 36"H frame)
	D39B, D37B, 38DB, 30DB	4"W x 3"H (duct) (4"W x 5"H frame)	24"W x 21"H (duct) (24"W x 24"H frame)	72"W x 31"H (duct) (72"W x 36"H frame)	36"W x 32"H (duct) (36"W x 36"H frame)	72"W x 32"H (duct) (72"W x 36"H frame) (18"W x 32"H section duct)	18"W x 32"H (duct) (18"W x 36"H frame)



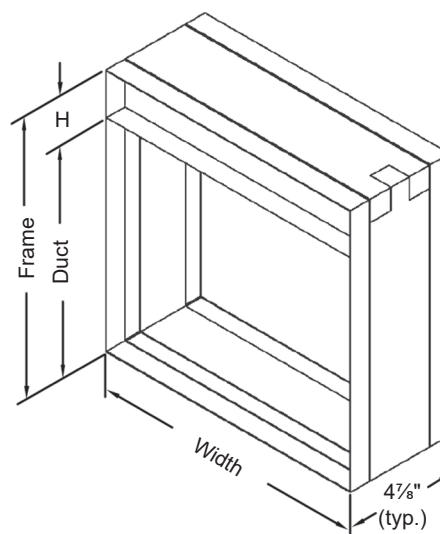
B-Pan Standard



B-Pan Circle Transition



B-Pan Oval Transition



Head Sizing Chart 119, 117, 17S, 15S, 319H, 317H, 38SH, 30SH, D19, D17, 17D, 15D, D39, D37, 38D, 30D		Head Sizing Chart 319V, 317V, 38SV, 30SV	
Duct Height	Head Height "H"	Duct Height	Head Height "H"
3" - 18"	2"	3" - 18"	2"
19" - 28"	3"	19" - 28"	3"
29" - 40"	4"	29" - 32"	4"
41" - 55"	5"	33" - 37"	2"
56" - 57"	3"	38" - 57"	3"
58" - 84"	4"	58" - 68"	4"
85" - 115"	5"		

B-Pan Transitions

Galvanized Steel Fire Dampers

Models: 119, 117, 17S, 15S, D19, D17, 17D, 15D, 319, 317, 38S, 30S, D39, D37, 38D, 30D

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Free Area - 119B, 117B, 17SB, 15SB																
Duct Height (in.)	Duct Width (in.)															
		4	8	12	16	20	24	28	32	36	40	44	48	52	56	60
	4	.06	.2	.3	.4	.5	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4
	8	.2	.4	.6	.8	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.5	2.8	3.0
	12	.2	.5	.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0	3.4	3.7	4.0	4.3	4.6
	16	.3	.7	1.2	1.6	2.0	2.4	2.8	3.3	3.7	4.1	4.5	5.0	5.4	5.8	6.2
	20	.4	.9	1.4	2.0	2.5	3.0	3.6	4.1	4.7	5.2	5.7	6.3	6.8	7.3	7.9
	24	.4	1.1	1.7	2.4	3.0	3.7	4.3	5.0	5.6	6.3	6.9	7.5	8.2	8.8	9.5
	28	.5	1.2	2.0	2.8	3.5	4.3	5.0	5.8	6.5	7.3	8.0	8.8	9.5	10.3	11.0
	32	.6	1.5	2.3	3.2	4.0	4.9	5.8	6.7	7.5	8.4	9.3	10.1	11.0	11.9	12.7
	36	.7	1.6	2.6	3.6	4.6	5.5	6.5	7.5	8.5	9.5	10.4	11.4	12.4	13.4	14.4
	40	.7	1.8	2.9	4.0	5.1	6.2	7.3	8.4	9.4	10.5	11.6	12.7	13.8	14.9	16.0
44	.8	2.0	3.2	4.4	5.6	6.8	8.0	9.2	10.4	11.6	12.8	14.0	15.2	16.4	17.6	
48	.8	2.1	3.3	4.6	5.9	7.1	8.4	9.6	10.9	12.1	13.4	14.7	15.9	17.2	18.4	
52	.9	2.4	3.8	5.2	6.6	8.0	9.5	10.9	12.3	13.7	15.2	16.6	18.0	19.4	20.9	
55	.9	2.4	3.9	5.3	6.8	8.3	9.8	11.3	12.8	14.3	15.8	17.3	18.8	20.3	21.8	

Free Area - D19B, D17B, 17DB, 15DB												
Duct Height (in.)	Duct Width (in.)											
		8	12	16	20	24	28	32	36			
	8	.4	.6	.8	1.0	1.2	1.4	1.6	1.8			
	12	.5	.9	1.2	1.5	1.8	2.1	2.4	2.7			
	16	.7	1.2	1.6	2.0	2.4	2.8	3.3	3.7			
	20	.9	1.4	2.0	2.5	3.0	3.6	4.1	4.7			
	24	1.1	1.7	2.4	3.0	3.7	4.3	5.0	5.6			
	28	1.2	2.0	2.8	3.5	4.3	5.0	5.8	6.5			
	32	1.5	2.3	3.2	4.0	4.9	5.8	6.7	7.5			

Free Area - D39B, D37B, 38DB, 30DB										
Duct Height	Duct Width									
		8	12	16	20	24	28	32	36	
	8	.27	.44	.62	.79	.97	1.1	1.3	1.5	
	12	.44	.73	1.0	1.3	1.6	1.9	2.1	2.4	
	16	.62	1.1	1.4	1.8	2.2	2.6	3.0	3.4	
	20	.79	1.3	1.8	2.3	2.8	3.3	3.8	4.3	
	24	.97	1.6	2.2	2.8	3.4	4.1	4.7	5.3	
	28	1.1	1.9	2.6	3.3	4.1	4.8	5.5	6.2	
32	1.3	2.1	3.0	3.8	4.7	5.5	6.3	7.2		

Free Area (Vertical Mount) - 319B, 317B, 38SB, 30SB													Free Area (Horizontal Mount) - 319B, 317B, 38SB, 30SB														
Duct Height (in.)	Duct Width (in.)												Duct Height (in.)	Duct Width (in.)													
		4	8	12	16	20	24	28	32	36	40	44		47		4	8	12	16	20	24	28	32	36	40	44	48
	4	.04	.09	.16	.22	.29	.35	.41	.47	.54	.58	.64		.70	4	.06	.2	.3	.4	.5	.5	.6	.7	.8	.9	1.0	1.1
	8	.09	.27	.44	.62	.79	.97	1.1	1.3	1.5	1.6	1.8		1.9	8	.2	.4	.6	.8	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4
	12	.16	.44	.73	1.0	1.3	1.6	1.9	2.1	2.4	2.6	2.9		3.2	12	.2	.5	.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0	3.4	3.7
	16	.22	.62	1.0	1.4	1.8	2.2	2.6	3.0	3.4	3.7	4.1		4.4	16	.3	.7	1.2	1.6	2.0	2.4	2.8	3.3	3.7	4.1	4.5	5.0
	20	.29	.79	1.3	1.8	2.3	2.8	3.3	3.8	4.3	4.7	5.2		5.7	20	.4	.9	1.4	2.0	2.5	3.0	3.6	4.1	4.7	5.2	5.7	6.3
	24	.35	.97	1.6	2.2	2.8	3.4	4.1	4.7	5.3	5.8	6.4		6.9	24	.4	1.1	1.7	2.4	3.0	3.7	4.3	5.0	5.6	6.3	6.9	7.5
	28	.41	1.1	1.9	2.6	3.3	4.1	4.8	5.5	6.2	6.8	7.5		8.2	28	.5	1.2	2.0	2.8	3.5	4.3	5.0	5.8	6.5	7.3	8.0	8.8
	32	.47	1.3	2.1	3.0	3.8	4.7	5.5	6.3	7.2	7.8	8.7		9.4	32	.6	1.5	2.3	3.2	4.0	4.9	5.8	6.7	7.5	8.4	9.3	10.1
	36	.51	1.4	2.3	3.2	4.2	5.0	5.9	6.8	7.7	8.6	9.4		10.2	36	.7	1.6	2.6	3.6	4.6	5.5	6.5	7.5	8.5	9.5	10.4	11.4
	40	.58	1.6	2.6	3.6	4.6	5.7	6.6	7.7	8.7	9.5	10.5		11.4	40	.7	1.8	2.9	4.0	5.1	6.2	7.3	8.4	9.4	10.5	11.6	12.7
42	.61	1.7	2.8	3.8	5.0	6.1	7.2	8.3	9.3	10.2	11.3	12.3	43	.7	1.9	3.0	4.1	5.3	6.5	7.6	8.8	9.9	11.1	12.3	13.4		

