

Pressure Drop Data

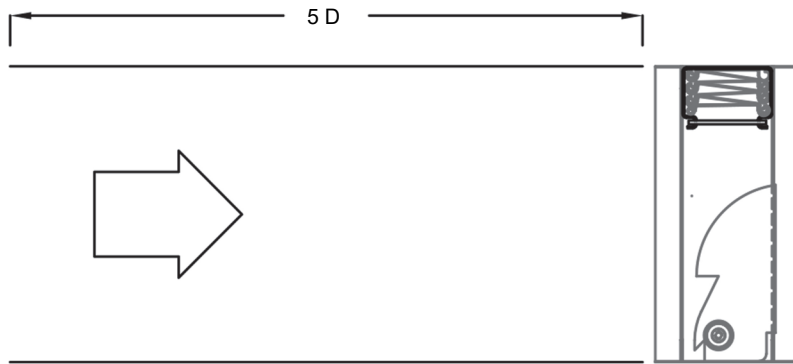
For Curtain Fire Dampers: 119, 117, 15S, 17S, D19, D17, 15D, 17D, 319, 317, 30S, 38S, D39, D37, 30D, 38D

The following air performance data is collected from testing conducted in accordance with AMCA Standard 500-D for Figures 5.2, 5.3, and 5.5. All data has been corrected to represent standard air density at 0.075 lbs/ft³ (1.201 kg/m³).

AMCA 500-D, Figure 5.2

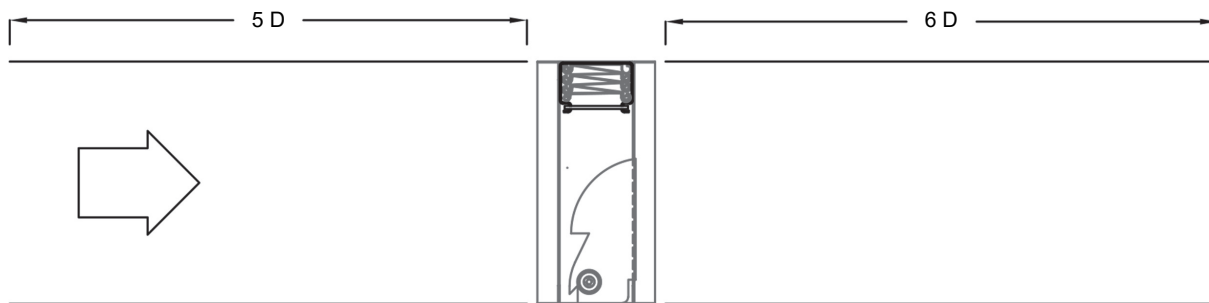
Ducted damper exhausting air to atmosphere.

$$\text{Where } D = \sqrt{\frac{4(\text{Width})(\text{Height})}{3.14}}$$



AMCA 500-D, Figure 5.3

Fully ducted damper (upstream & downstream).



AMCA 500-D, Figure 5.5

Plenum mounted damper.



Pressure Drop Data

For Curtain Fire Dampers: 119, 117, 15S, 17S, D19, D17, 15D, 17D, 319, 317, 30S, 38S, D39, D37, 30D, 38D

12"x12"	Face Velocity (FPM)	AMCA Fig 5.2	AMCA Fig 5.3	AMCA Fig 5.5
		(in. w.g.)		
A-style	500	0.04	0.02	0.08
	1000	0.17	0.09	0.33
	1500	0.38	0.20	0.75
	2000	0.67	0.35	1.33
	2500	1.04	0.55	2.08
	3000	1.50	0.79	2.99
B-style	500	0.02	0.01	0.05
	1000	0.08	0.03	0.19
	1500	0.17	0.07	0.43
	2000	0.31	0.12	0.76
	2500	0.48	0.19	1.19
	3000	0.69	0.28	1.71
C-style	500	0.00	0.00	0.02
	1000	0.02	0.01	0.10
	1500	0.04	0.02	0.22
	2000	0.06	0.03	0.38
	2500	0.10	0.05	0.60
	3000	0.14	0.07	0.86

24"x24"	Face Velocity (FPM)	AMCA Fig 5.2	AMCA Fig 5.3	AMCA Fig 5.5
		(in. w.g.)		
A-style	500	0.04	0.01	0.05
	1000	0.14	0.06	0.22
	1500	0.32	0.13	0.49
	2000	0.57	0.24	0.86
	2500	0.89	0.37	1.35
	3000	1.29	0.54	1.94
B-style	500	0.02	0.00	0.03
	1000	0.06	0.02	0.13
	1500	0.14	0.04	0.30
	2000	0.25	0.07	0.53
	2500	0.39	0.11	0.83
	3000	0.56	0.16	1.20
C-style	500	0.00	0.00	0.02
	1000	0.02	0.01	0.09
	1500	0.04	0.02	0.20
	2000	0.07	0.03	0.35
	2500	0.12	0.04	0.55
	3000	0.17	0.06	0.79

36"x36"	Face Velocity (FPM)	AMCA Fig 5.2	AMCA Fig 5.3	AMCA Fig 5.5
		(in. w.g.)		
A-style	500	0.02	0.01	0.04
	1000	0.09	0.04	0.18
	1500	0.21	0.08	0.40
	2000	0.38	0.14	0.71
	2500	0.59	0.23	1.10
	3000	0.85	0.32	1.59
B-style	500	0.02	0.04	0.06
	1000	0.08	0.15	0.23
	1500	0.17	0.34	0.52
	2000	0.31	0.61	0.92
	2500	0.48	0.95	1.44
	3000	0.70	1.37	2.08
C-style	500	0.01	0.03	0.04
	1000	0.06	0.10	0.17
	1500	0.12	0.23	0.39
	2000	0.22	0.40	0.69
	2500	0.35	0.63	1.08
	3000	0.50	0.91	1.55

12"x48"	Face Velocity (FPM)	AMCA Fig 5.2	AMCA Fig 5.3	AMCA Fig 5.5
		(in. w.g.)		
A-style	500	0.06	0.03	0.08
	1000	0.23	0.12	0.30
	1500	0.51	0.28	0.68
	2000	0.90	0.49	1.21
	2500	1.41	0.77	1.89
	3000	2.03	1.10	2.73

48"x12"	Face Velocity (FPM)	AMCA Fig 5.2	AMCA Fig 5.3	AMCA Fig 5.5
		(in. w.g.)		
A-style	500	0.04	0.02	0.06
	1000	0.18	0.08	0.26
	1500	0.40	0.19	0.58
	2000	0.72	0.34	1.04
	2500	1.12	0.53	1.62
	3000	1.62	0.76	2.33