

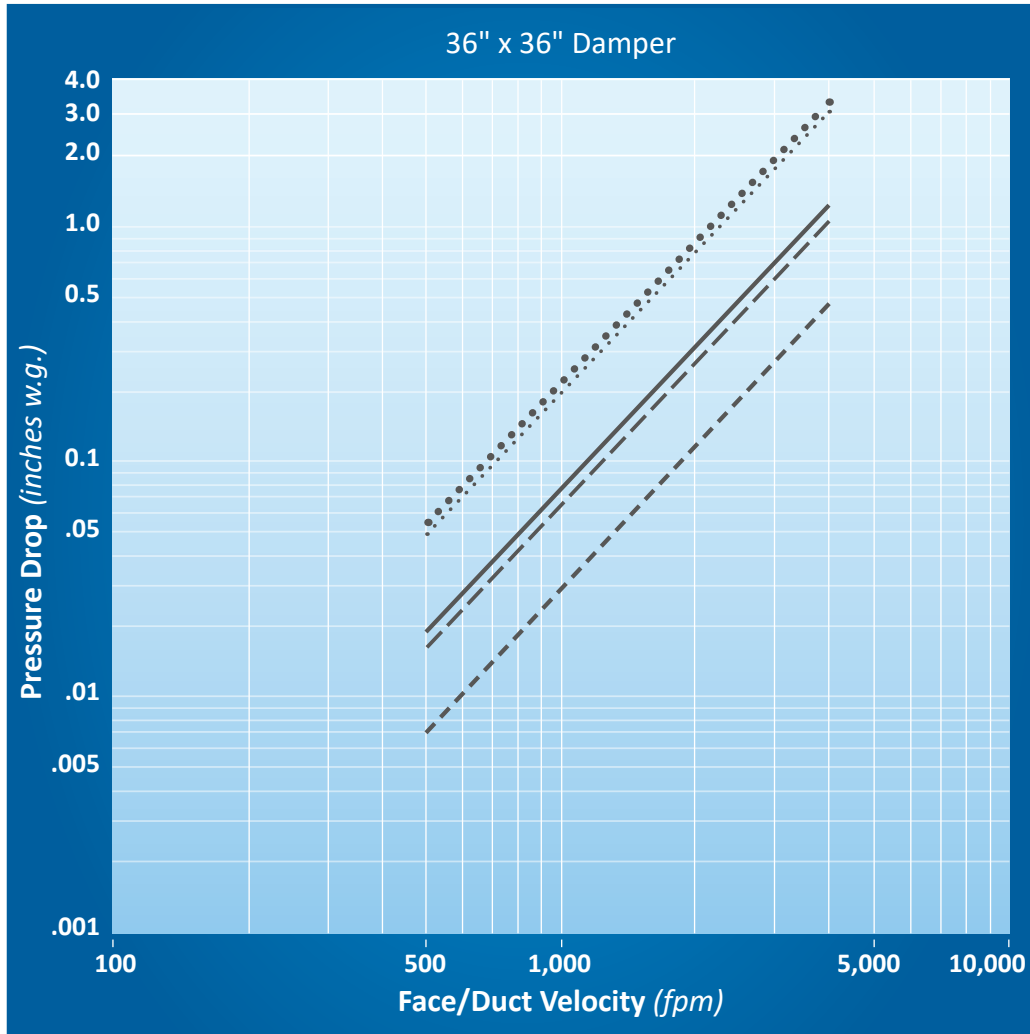
VELOCITY VS. PRESSURE DROP

SIZE inches (mm)	VELOCITY fpm (m/s)	PRESSURE DROP inches w.g. (kPa)				
		AMCA Fig. 5.1	AMCA Fig. 5.2	AMCA Fig. 5.3	AMCA Fig. 5.4	AMCA Fig. 5.5
12 X 48 (305 X 1219)	1000 (5.08)	0.087 (0.022)	0.075 (0.019)	0.028 (0.007)	0.221 (0.055)	0.203 (0.051)
	2000 (10.16)	0.347 (0.086)	0.300 (0.075)	0.112 (0.028)	0.885 (0.220)	0.812 (0.202)
	3000 (15.24)	0.780 (0.194)	0.675 (0.168)	0.252 (0.063)	1.991 (0.496)	1.827 (0.455)
	4000 (20.32)	1.386 (0.345)	1.20 (0.299)	0.448 (0.112)	3.540 (0.882)	3.248 (0.809)
24 X 24 (610 X 610)	1000 (5.08)	0.092 (0.023)	0.079 (0.020)	0.028 (0.007)	0.218 (0.054)	0.200 (0.050)
	2000 (10.16)	0.365 (0.091)	0.316 (0.079)	0.112 (0.028)	0.872 (0.217)	0.800 (0.199)
	3000 (15.24)	0.821 (0.205)	0.711 (0.177)	0.252 (0.063)	1.962 (0.489)	1.800 (0.448)
	4000 (20.32)	1.460 (0.364)	1.264 (0.315)	0.448 (0.112)	3.488 (0.869)	3.200 (0.797)
36 X 36 (914 X 914)	1000 (5.08)	0.076 (0.019)	0.066 (0.016)	0.029 (0.007)	0.210 (0.052)	0.193 (0.048)
	2000 (10.16)	0.305 (0.076)	0.264 (0.066)	0.116 (0.029)	0.841 (0.209)	0.772 (0.192)
	3000 (15.24)	0.686 (0.171)	0.594 (0.148)	0.261 (0.065)	1.893 (0.472)	1.737 (0.433)
	4000 (20.32)	1.220 (0.304)	1.056 (0.263)	0.464 (0.116)	3.366 (0.838)	3.088 (0.769)
48 X 12 (1219 X 305)	1000 (5.08)	0.150 (0.037)	0.130 (0.032)	0.047 (0.012)	0.227 (0.057)	0.208 (0.052)
	2000 (10.16)	0.601 (0.150)	0.520 (0.130)	0.188 (0.047)	0.907 (0.226)	0.832 (0.207)
	3000 (15.24)	1.351 (0.337)	1.170 (0.291)	0.423 (0.105)	2.040 (0.508)	1.872 (0.466)
	4000 (20.32)	2.402 (0.598)	2.080 (0.518)	0.752 (0.187)	3.628 (0.904)	3.328 (0.829)
48 X 48 (1219 X 1219)	1000 (5.08)	0.024 (0.006)	0.021 (0.005)	0.008 (0.002)	0.062 (0.015)	0.057 (0.014)
	2000 (10.16)	0.097 (0.024)	0.084 (0.021)	0.031 (0.008)	0.247 (0.062)	0.227 (0.057)
	3000 (15.24)	0.217 (0.054)	0.188 (0.047)	0.070 (0.017)	0.556 (0.138)	0.510 (0.127)
	4000 (20.32)	0.386 (0.096)	0.334 (0.083)	0.125 (0.031)	0.989 (0.246)	0.907 (0.226)

NOTE:

1. Pressure drop values are based on ANSI/AMCA Standard 500-D (see page 3 for test figures).
2. Pressure drop values are based on Flanged to Duct install type. Pressure drop will be greater for In Duct install type dampers.
3. Dampers sized for duct openings exceeding 37 3/4" (959 mm) in height are equipped with a brace at mid-height, which is reflected in the above chart.

VELOCITY VS. PRESSURE DROP

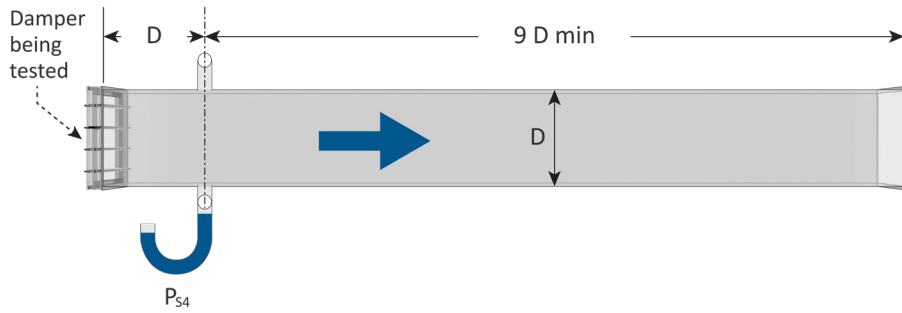


LEGEND:

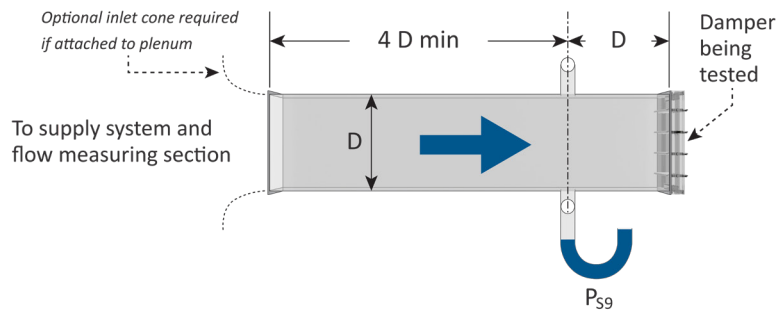
Fig. 5.1	—	Fig. 5.3	- - -	Fig. 5.5	- · - · -
Fig. 5.2	- - -	Fig. 5.4	· · · ·		

- NOTE:**
1. Pressure drop values are based on ANSI/AMCA Standard 500-D (see page 3 for test figures).
 2. Pressure drop values are based on Flanged to Duct install type. Pressure drop will be greater for In Duct install type dampers.
 3. Dampers sized for duct openings exceeding 37¾" (959 mm) in height are equipped with a brace at mid-height, which is reflected in the above chart.

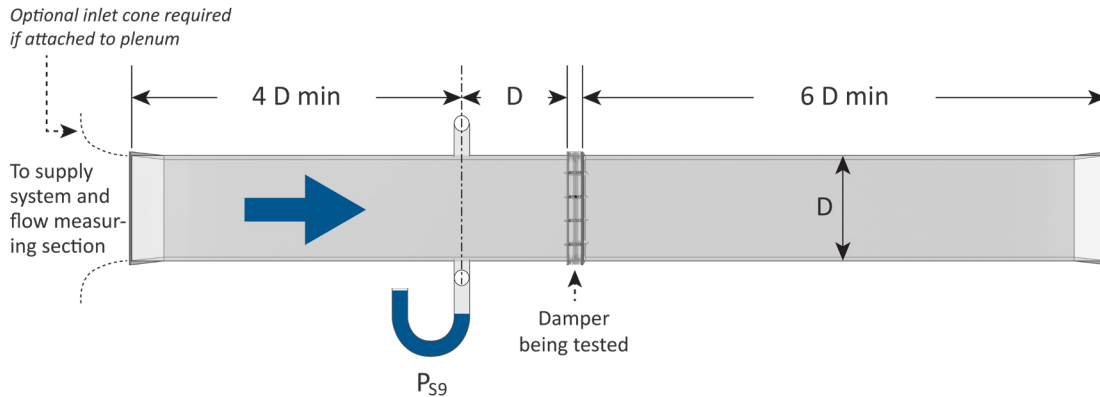
AMCA FIG. 5.1 - DUCTED ENTRANCE



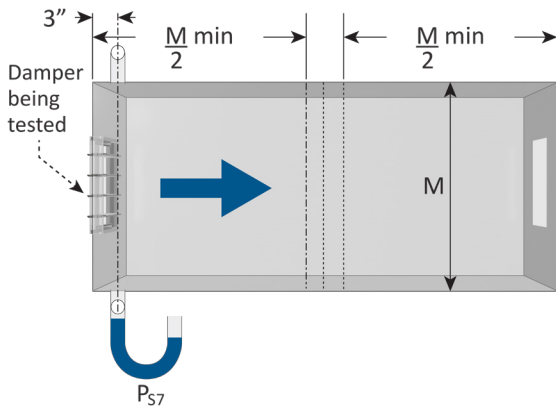
AMCA FIG. 5.2 - DUCTED EXIT



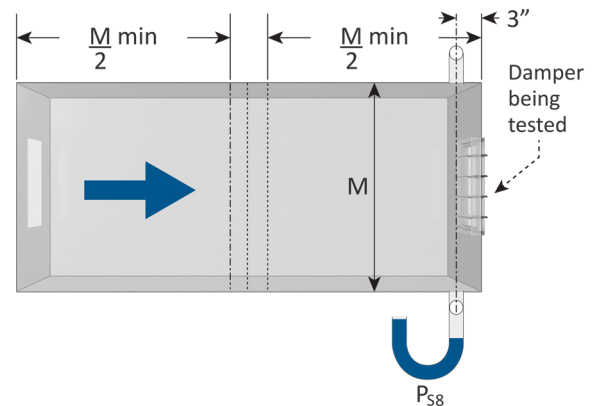
AMCA FIG. 5.3 - IN DUCT



AMCA FIG. 5.4 - PLENUM ENTRANCE



AMCA FIG. 5.5 - PLENUM EXIT





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