

KFSD, KSD & KCFSD: Allowable Leakage by Classification

Combination FireSmoke & Smoke Damper

1" Water Gauge :

Damper Leakage Classifications	Damper Leakage Allowed Maximum CFM/SQ/FT	8" x 8" SQ/FT 0.44	8" X 36" SQ/FT 2.00	24" X 24" SQ/FT 4.00	36" X 36" SQ/FT 9.00
Class 1 (CFM)	4	1.76	8.00	16.00	36.00
Class 2 (CFM)	10	4.40	20.00	40.00	90.00
Class 3 (CFM)	40	17.60	80.00	160.00	360.00

4" Water Gauge :

Damper Leakage Classifications	Damper Leakage Allowed Maximum CFM/SQ/FT	8" x 8" SQ/FT 0.44	8" X 36" SQ/FT 2.00	24" X 24" SQ/FT 4.00	36" X 36" SQ/FT 9.00
Class 1 (CFM)	8	3.52	16.00	32.00	72.00
Class 2 (CFM)	20	8.80	40.00	80.00	180.00
Class 3 (CFM)	80	35.20	160.00	320.00	720.00

8" Water Gauge :

Damper Leakage Classifications	Damper Leakage Allowed Maximum CFM/SQ/FT	8" x 8" SQ/FT 0.44	8" X 36" SQ/FT 2.00	24" X 24" SQ/FT 4.00	36" X 36" SQ/FT 9.00
Class 1 (CFM)	11	4.84	22.00	44.00	99.00
Class 2 (CFM)	28	12.32	56.00	112.00	252.00
Class 3 (CFM)	112	49.28	224.00	448.00	1008.00

12" Water Gauge :

Damper Leakage Classifications	Damper Leakage Allowed Maximum CFM/SQ/FT	8" x 8" SQ/FT 0.44	8" X 36" SQ/FT 2.00	24" X 24" SQ/FT 4.00	36" X 36" SQ/FT 9.00
Class 1 (CFM)	14	6.16	28.00	56.00	126.00
Class 2 (CFM)	35	15.40	70.00	140.00	315.00
Class 3 (CFM)	140	61.60	280.00	560.00	1260.00