

MODEL SGAL-1-0 (0° DEFLECTION)
MODEL SGAL-1-15 (15° DEFLECTION)

DUCT HEIGHT	NC	10	15	20	25	30	35	40	45
2	CFM/FEET	15	25	30	35	45	50	60	75
	Ps	.03	.05	.08	.12	.15	.25	.37	.53
	THROW	SILL	5-9	7-11	9-13	11-16	14-20	16-23	23-33
		WALL	7-11	8-12	11-15	14-18	18-25	21-29	30-43
2 1/2	CFM/FEET	25	35	40	50	60	80	90	110
	Ps	.03	.05	.07	.10	.15	.23	.32	.48
	THROW	SILL	5-9	7-11	9-13	11-16	13-19	16-23	19-27
		WALL	7-11	9-13	11-16	13-18	16-22	20-27	23-33
3	CFM/FEET	35	45	55	70	80	100	120	240
	Ps	.03	.04	.06	.09	.14	.20	.30	.45
	THROW	SILL	5-9	7-11	9-13	11-16	14-19	16-23	20-28
		WALL	7-12	9-13	11-16	14-20	17-24	20-28	24-35
3 1/2	CFM/FEET	50	60	70	85	105	130	150	185
	Ps	.03	.04	.06	.09	.13	.20	.29	.43
	THROW	SILL	5-10	8-12	9-14	11-16	14-20	16-24	21-29
		WALL	8-12	10-14	12-17	14-20	18-25	21-30	26-37
4	CFM/FEET	55	70	80	100	110	140	165	205
	Ps	.02	.04	.05	.09	.12	.18	.26	.38
	THROW	SILL	6-10	8-12	9-13	12-16	14-20	17-24	20-28
		WALL	8-12	9-14	11-16	14-21	18-25	21-31	26-36
5	CFM/FEET	75	90	110	135	165	200	245	295
	Ps	.02	.03	.05	.07	.11	.16	.25	.36
	THROW	SILL	6-10	8-12	9-13	12-16	14-20	17-23	20-28
		WALL	8-12	9-14	11-16	14-20	18-25	21-30	25-35
6	CFM/FEET	90	110	135	165	205	245	305	360
	Ps	.02	.03	.05	.07	.11	.16	.24	.36
	THROW	SILL	7-11	9-13	10-14	12-16	14-20	17-25	22-31
		WALL	9-13	10-15	11-17	14-20	18-26	23-32	27-39
8	CFM/FEET	115	140	170	210	255	310	370	450
	Ps	.02	.04	.05	.08	.11	.16	.24	.35
	THROW	SILL	9-13	11-15	13-18	17-22	20-28	24-33	28-39
		WALL	11-15	13-18	15-22	20-29	25-35	29-43	36-50

Test Standard

- ANSI / ASHRAE standard 70

Sound Levels

- NC is noise criteria curve that will not be exceeded at the operating point. This is determined by assuming a 10dB (ref: 10⁻¹² watts) room attenuation that is subtracted from the power levels in each of the 2nd thru 7th octave bands
- When an opposed blade damper is used, add NC adjustment as shown below

Throw

- Distance in feet, at which the air has reduced to a terminal velocity, VT, of 125, 80 FPM.
- Terminal velocity is the air speed, in feet per minute, measured in the supply air stream.

Pressure

- P_s represents Static Pressure, inches of water