

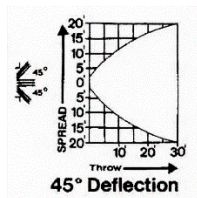
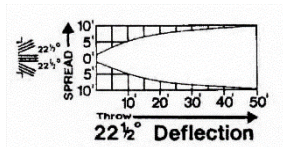
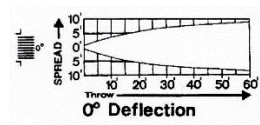
Supply Grille

Spread and Throw Characteristics

Variable deflection settings to satisfy all air distribution requirements are obtained by individual adjustment of airfoil blades in the Supply Grille.

To obtain long throw and narrow air pattern use 0° to 22.5° deflection. For shorter throw and wide air patterns use up to 45° deflection, or more. Performance data shown in the selection charts is based on double deflection grilles with vertical airfoil blades set at 0°, 22.5° and 45°.

MAXIMUM NOISE CRITERIA (NC) RECOMMENDATIONS – For Supply Grilles



The sound level of a supply grille is in direct ratio to the velocity of the air passing through it.

Air passing through a properly selected outlet, will not add any appreciable noise to the sound level of the existing system.

Applications	N.C. LEVEL
Broadcast Studios	Below NC-25
Residences, Apartments, Churches, Hotels, Bedrooms, Movie Theaters	NC-25-30
Private Offices	NC-35-40
Department Stores	NC-40-45
Factories, Computer Rooms, Etc.	NC-45-50

SIZE		17 X 5			20 X 8			28 X 8			30 X 10		
PART NO.		SG-1W			SG-2W			SG-3W			SG-5W		
DEFLECTION		0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°
	Ak	0.34	0.32	0.25	0.76	0.70	0.56	1.05	0.96	0.77	1.51	1.36	1.10
NC		30	30	32									
CFM 425	Vel.	1250	1328	1700									
	Tot. Pr.	1.100	0.113	0.170									
	Throw	28-39	22-30	15-21									

NC	30	30	32			
CFM 440	Vel. 1294	1375	1760			
	Tot. Pr. 0.100	0.120	0.185			
	Throw 28-39	22-30	15-21			

NC		31	31	32		
CFM 800	Vel. 1053	1143	1428			
	Tot. Pr. 0.076	0.100	0.162			
	Throw 37-52	28-40	20-29			

NC		33	33	35		
CFM 865	Vel. 1138	1236	1544			
	Tot. Pr. 0.088	0.114	0.190			
	Throw 40-55	31-42	21-30			

NC			29	29	30	
CFM 885	Vel. 852	175	1162			
	Tot. Pr. 0.054	0.075	0.113			
	Throw 37-54	35-49	21-30			

NC			39	39	41	
CFM 1285	Vel. 1237	1359	1687			
	Tot. Pr. 0.108	0.147	0.249			
	Throw 42-66	35-50	25-37			

NC				36	36	38
CFM 1450	Vel. 968	1071	1331			
	Tot. Pr. 0.073	0.103	0.169			
	Throw 51-73	39-56	28-40			

NC				46	46	49
CFM 2000	Vel. 1336	1477	1835			
	Tot. Pr. 0.130	0.188	0.335			
	Throw 61-86	54-65	33-46			

Job Name:	Engineer:
Location:	Architect: