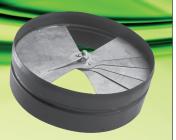
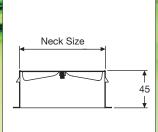
CEILING DIFFUSERS ACCESSORIES





C1 Radial Fan Blade Damper

Materials

0.6mm SPGC galvanized steel.

Surface Finish

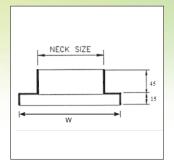
Collar: Black powder coated, oven baked as standard.

Blade: Galvanized finish.

Standard Sizes Unit: mm

ø150 / ø200 / ø250 / ø300 / ø350





D2 Adapter

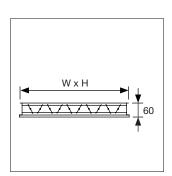
Materials

0.6mm galvanized steel.

Surface Finish

Black powder coated, oven baked as standard.





G1 Opposed Blade Damper

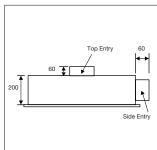
Materials

Frame: 0.6mm SPGC galvanized steel Blade: 0.5mm SPGC galvanized steel

Surface Finish

Black powder coated, oven baked as standard.
*Maximum dimension is 500mm x 500mm damper size bigger than this will come in sections can be set at fully open, half open & fully close.





PB Plenum Box

Materials

0.5mm galvanized steel.

Surface Finish

Electrogalvanized mill finish as standard.

Oval Dimension				
Diameter Oval (inch)	Witdth	Height		
6	175	89		
8	247	105		
10	308	129		
12	378	159		

CEILING DIFFUSERS ACCESSORIES



C2 Crown Damper

Materials

0.6mm thickness galvanized steel.

Surface Finish

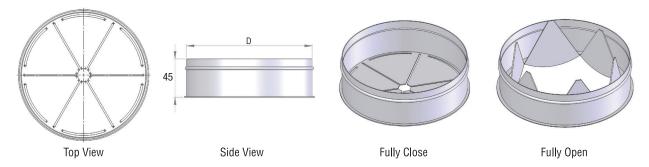
Black powder coat, oven baked as standard.

Standard Sizes *Unit:mm* 150ø / 200ø / 250ø / 300ø

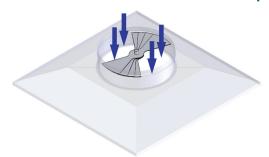
Features

- Six blades can be adjusted to control the damper opening without using any tools.
- Maximum effective (free) area percentage.
- · Low noise level.
- Uniform air flow pattern.
- Standard C2 installation with blades bending upwards, (inverted upon request)

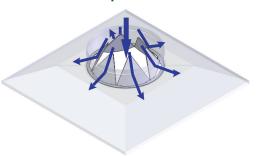
Construction Illustrations



Comparison Of Radial Fan Blade Damper And Crown Damper



Ceiling diffuser adapter with radial fan blade damper, which air flow is concentrated in the center of the diffuser. Free area is 70% when blades are fully opened.



Ceiling diffuser adapter with crown damper (C2), which air flow has been distributed to every corner of the diffuser. Free area is 95% when blades are fully open.

Crown damper has more free area and distributes air more uniformly compare to radial blade damper. This is to ensure that the supplied air is distributed uniformly to the occupant zone and reduces noise level at the same time. Please refer to the diagrams above.

Apply the following factor for C2 & PB:

	C2	C1 / PB
Tot. Press	X 1.1	X 1.2
NC	+ 2	+ 2
Throw	X 0.9	X 0.85

RECOMMENDED NOISE CRITERIA FOR ROOMS

Type of Area	Range of NC
RESIDENCES Private homes (rural and suburban) Private homes (urban) Apartment houses, 2-and 3-family units	20-30 25-35 30-40
HOTELS Individual rooms or suites Ballrooms, banquet rooms Halls and corridors, lobbies Garages Kitchens and laundries	30-40 30-40 35-45 40-50 40-50
HOSPITALS AND CLINICS Private rooms Operating rooms, wards Laboratories, halls and corridors Lobbies and waiting rooms Washrooms and toilets	25-35 30-40 35-45 40-50
OFFICES Board room Conference rooms Executive office Supervisor office, reception room General open offices, drafting rooms Halls and corridors Tabulation and computation	20-30 25-35 30-40 30-45 35-45 35-50 40-60
AUDITORIUMS AND MUSIC HALLS Concert and opera halls Studios for sound reproduction Legitimate theaters, multi-purpose halls Movie theaters, TV audience studios Semi-outdoor amphitheaters Lecture halls, planetarium Lobbies	15-25 25-30 30-35 35-45

Type of Area	Range of NC
CHURCHES AND SCHOOLS Sanctuaries Libraries Schools and classrooms Laboratories Recreation halls Corridors and halls Kitchens	20-30 30-40 30-40 35-45 35-50 35-50 40-50
PUBLIC BUILDINGS Public libraries, museums, court rooms Post office, general banking areas, lobbies Washrooms and toilets	30-40 35-45 40-50
RESTAURANTS, CAFETERIAS, LOUNGES Restaurants Cocktail lounges Night clubs Cafeterias	35-45 35-50 35-45 40-50
STORES, RETAIL Clothing stores Department stores (upper floors) Department stores (main floor) Small retail stores Supermarkets	35-45 40-50 40-50
SPORTS ACTIVITIES, INDOOR Coliseums Bowling alleys, gymnasiums Swimming pools	30-40 35-45 35-45
TRANSPORTATION (RAIL, BUS, PLANE) Ticket sales offices Lounges and waiting rooms	30-40 35-50

