

Grille

B - 10 Series

Type: Door Grille

Model : DG-AB-12

Deflection: Single

Construction: Aluminium

Description

BETEC CAD. model DG-AB-12 is a Door grille with fixed horizontal aerofoil blades at a 45° angle.

Frame and blades are of high quality extruded aluminium profile construction. Inverted " V " type horizontal blades are fixed rigidly to the frame to avoid vibration and corrosion. The blades are spaced at a distance of 15 mm and are provided with counter frames for fixing on both sides of the door.

Made to withstand heavy use to which door grilles are subjected to.

Frame is fabricated to suit door thickness of 30 mm.

The structure provides around 55% free area for air transmission. These grilles are used in facilities such as offices, hospitals, schools and toilets for transfer of air from one room to another room.

Standard Construction

Frame

Extruded aluminium profile with 30 mm Flange width.

Blade

Extruded aluminium profile.

Blade Spacing

Standard Blade Spacing of 20 - 24 mm

Finish

Available with RAL powder coating, please specify color.

Optional Construction

Foam Gasket

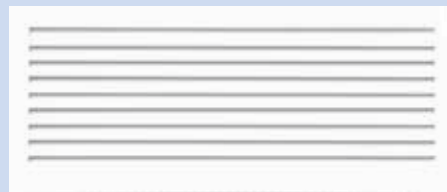
Provided all around the frame, to prevent leakage of air.

Finish

Mill finish or Chrome plating.

Frame and Blades

Available in Stainless steel (304/316L).

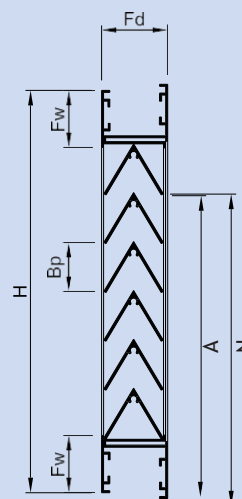


DG-AB-12

DG-AB-12



DG-AB-12



Note:

N = Nominal Duct Size, **A** = Neck Size,

H = Overall Size (Face size)

F_w = Frame width = 29 mm

F_d = Frame depth = 32mm

B_p = Pitch of the blade = 20 - 24mm.

Selected Products of the company have been Classified / Listed / Tested by various international testing authorities.



Grille
B - 10 Series
Engineering & Performance Data

Door Grille

Size in Inches	Neck Velocity	100	150	200
	Ps (in.w.g)	0	0.01	0.02
6 x 6	CFM	20	30	40
8 x 6	CFM	27	40	54
10 x 6	CFM	36	52	70
8 x 8	CFM	38	58	76
12 x 6	CFM	43	63	83
14 x 6	CFM	50	73	97
16 x 6	CFM	58	87	116
10 x 10	CFM	60	90	119
18 x 6	CFM	64	97	127
20 x 6	CFM	73	109	144
22 x 6	CFM	78	117	156
24 x 6	CFM	89	133	178
30 x 6	CFM	112	168	223
14 x 14	CFM	120	184	244
18 x 12	CFM	137	204	272
22 x 10	CFM	138	207	275
26 x 8	CFM	150	225	299
18 x 14	CFM	160	240	319
16 x 16	CFM	163	244	325
24 x 12	CFM	183	274	364
18 x 18	CFM	208	312	415
24 x 14	CFM	215	323	429
30 x 12	CFM	230	340	460
24 x 16	CFM	247	370	493
20 x 20	CFM	258	387	515
26 x 16	CFM	312	468	624
22 x 22	CFM	315	473	630
24 x 22	CFM	344	516	687
30 x 18	CFM	351	526	701
24 x 24	CFM	376	564	752
30 x 24	CFM	472	709	944
28 x 18	CFM	517	776	1033
30 x 28	CFM	552	828	1104
30 x 30	CFM	596	899	1190

Note :

1. Airflow is measured in Cubic Foot/ minute (CFM).
2. Static Pressure (Ps) is measured in inch water guage (in.w.g).
3. Neck velocity is measured in feet/minute (fpm).

Selected Products of the company have been Classified / Listed / Tested by various international testing authorities.

