

AIRFOIL



GRILLES
DUCT
FITTINGS

making it happen sooner...



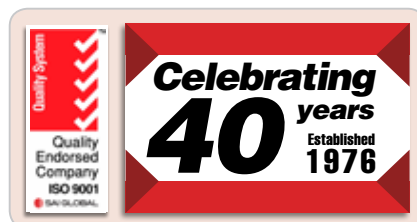
SLOTTED SWIRL DIFFUSER (CDV24)

Airfoil Manufacturing's slotted swirl diffuser type CDV24 have 24 adjustable vanes. The CDV24 swirl is a highly versatile diffuser that allows precise air control as a result of the easily adjustable vanes at the rear of the diffuser.

The CDV24 is ideal for use in a variety of applications and is particularly suited to office blocks, hospitals, shopping centres, or any place where the even distribution of air is paramount.

Product specification codes:

CDV24 595F Slotted Swirl Diffuser 595mm x 595mm



SLOTTED SWIRL DIFFUSER (CDV24)

Performance Data

TEST CONDITIONS				SOUND POWER LEVEL, db re 1E-12 W OCTAVE BAND CENTRE FREQUENCY (Hz)						
Qs (l/s)	Ps (Pa)	Th (m)	NC	125	250	500	1000	2000	4000	8000
77	5	3	20	46.1	42.1	31.3	31.3	24.5	<15.4	<12.1
104	9	4	27	50.9	48.4	37.2	37.0	31.9	24.2	<14.6
134	15	>4	33	55.3	52.7	42.5	42.4	37.3	31.1	21.0
187	26	>4	40	62.3	59.3	50.3	50.1	45.0	39.9	31.8
241	41	>4	45	65.8	62.1	57.2	55.3	50.4	45.2	37.5

LEGEND

Qa - Primary Air Flow Rate (L/s) Ps - Supply Static Pressure (Pa) NC - Noise Criterion based upon room absorption of 10db
 > - Length of throw greater than that able to be measured Th - Horizontal Throw in metres at terminal velocity of 0.25m/s
 < - Insufficient margin above background noise to allow accurate determination

AIRFOIL'S RECENT PROJECTS

