

Aircell Polymer Grilles

S / D / G / A / T / E

Performance Table

Aircell A		Extract					
m³/h	l/s		150 x 150	200 x 200	250 x 250	300 x 150	300 x 300
90	25	P _s	10	4	2	2	
		L _w	26	20	<20	<20	
180	50	P _s	40	15	6	10	3
		L _w	40	33	<20	30	<20
360	100	P _s		57	24	39	11
		L _w		47	33	43	25
540	150	P _s			50	88	25
		L _w			44	51	36
720	200	P _s					45
		L _w					44
900	250	P _s					70
		L _w					50

For performance of the **Aircell T** series, please multiply the above pressure loss by 2 and add 3db to the dBA level.

Please note that when using the N series neck reducer, air volumes must not exceed the following guidelines.

Grille W x H	Spigot ØD	Maximum Volume m³/h	l/s
150 x 150	97	99	28
200 x 200	147	223	62
250 x 250	197	396	110
300 x 150	97	99	28
300 x 300	247	619	172

Accessories

Aircell GO Opposed Blade Damper

Aircell GO series opposed blade dampers are manufactured from injection moulded components in self-coloured black engineering polymer. Adjustable through the grille face, the damper can be clipped directly onto the grille without fixings.

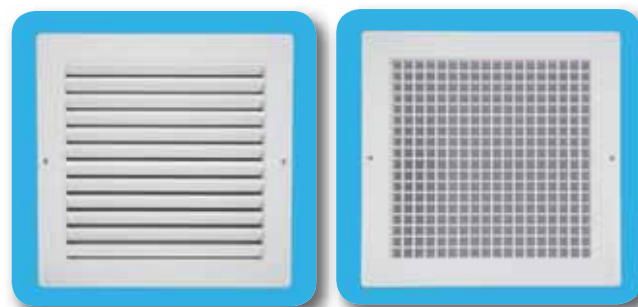
Aircell N Neck Reducer

Aircell N series neck reducers are injection moulded in self coloured black engineering polymer. The units are available in five sizes to suit the grille range and are designed to snap fit over the opposed blade damper or directly onto the grille stack.

All reducers have standard size circular spigots related to the grille height (see dimensional details).

OBSS damper and NR neck reducer for E600 series

The OBSS aluminium opposed blade damper and NR steel neck reducer are available for the E600 series to allow volume control and circular duct connection directly onto the E600 grille. Please state spigot size required when ordering.



Aircell - T

Aircell - E

Selection Criteria

Ceiling height 2.7m

dBA is noise level based on a room absorption of 8dB.

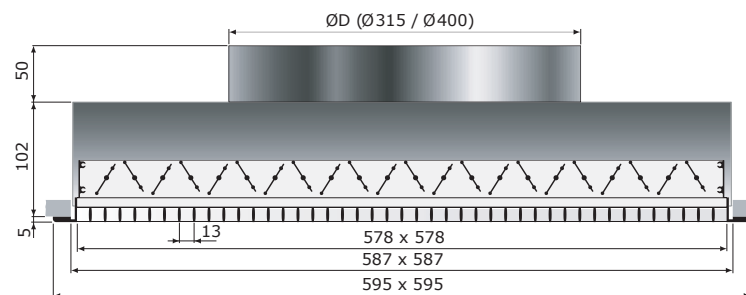
Selection Example Aircell A-200 x 200

Air Volume 50 l/s

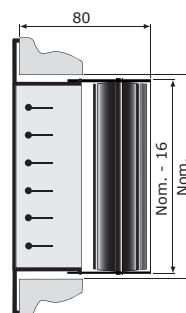
Pressure Drop 15 Pa

Noise Level 33 dBA

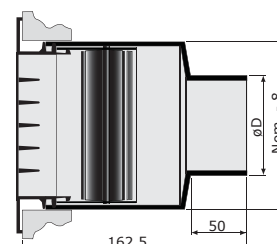
Free Area						
	150 x 150	200 x 200	250 x 250	300 x 150	300 x 300	600 x 600
S	49%	53%	58%	53%	59%	-
D	49%	53%	58%	53%	59%	-
G	58%	60%	64%	62%	67%	-
A	32%	30%	37%	33%	36%	-
T	32%	30%	37%	33%	36%	-
E	44%	50%	51%	49%	53%	56%



E600 + OBSS + NR



Aircell D + GO


GO Polymer Opposed
Blade Dampers


Aircell G + GO + N



N Polymer Neck Reducer