

# AIRFOIL



GRILLES  
DUCT  
FITTINGS

*making it happen sooner...*



## JET DIFFUSER (JD)

Airfoil's Jet Diffuser is manufactured from high-grade spun aluminium, and can supply air in either a "jet" or "diffused" air pattern by rotating the cone assembly on its own axis.

Airfoil's Jet Diffuser is perfect for long throw, short throw, or diffused air control. It's ideal for high volume applications such as high ceiling auditoriums and shopping centres. Comes standard in white.

### Jet Diffuser Options

- > *Specific colours and finishes available on request*
- > *Can be supplied without housing*
- > *Can be supplied mounted with multiple units*
- > *Jet mode or diffuser mode*

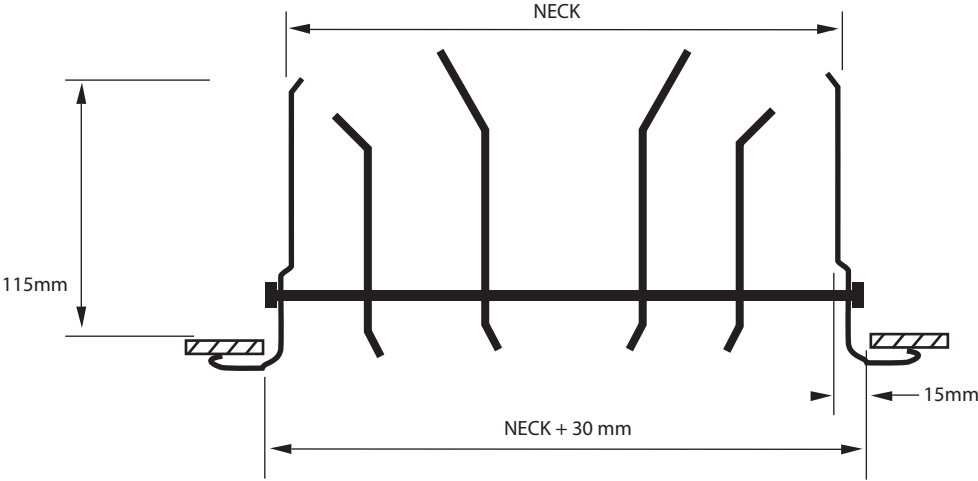
### Product specification codes:

<b>JD150</b>	Jet Diffuser with 150 diameter
<b>JD200</b>	Jet Diffuser with 200 diameter
<b>JD250</b>	Jet Diffuser with 250 diameter
<b>JD300</b>	Jet Diffuser with 300 diameter
<b>JD350</b>	Jet Diffuser with 350 diameter
<b>JD400</b>	Jet Diffuser with 400 diameter

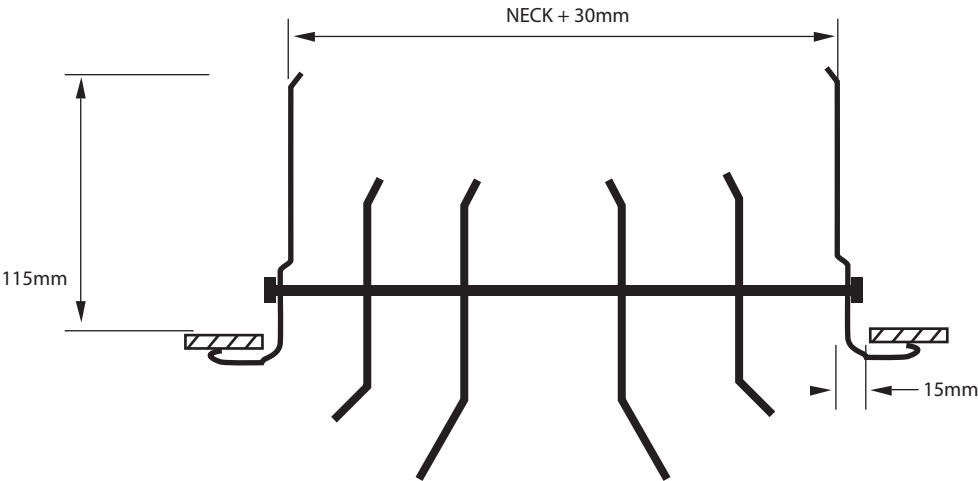


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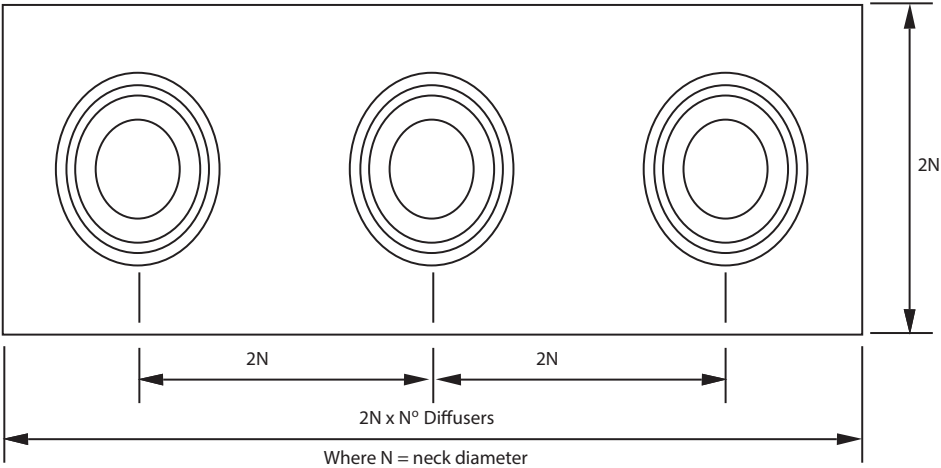
Cross Sectional Diagram: Jet Mode



Cross Sectional Diagram: Diffusing mode



Cross Sectional Diagram: Mounted Jet Diffusers



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## Performance Data

NECK DIA	Lit / sec	50	75	100	125	150
	NR	28	34	38	45	>50
150 mm	Static Pressure Pascals	15	28	38	55	70
	Throw JET	3	4.2	6	7.3	8.6
	metres DIFFUSION	1.5	2.1	3	3.7	4.3
NECK SIZE	Lit / sec	100	125	150	175	200
	NR	26	30	34	39	43
200 mm	Static Pressure Pascals	15	23	33	45	60
	Throw JET	4.5	5.5	6.5	8	9
	metres DIFFUSION	2.3	2.8	3.3	4	4.5
NECK SIZE	Lit / sec	150	200	250	300	400
	NR	20	27	33	37	46
250 mm	Static Pressure Pascals	8	15	23	33	60
	Throw JET	5	7	8.3	10.2	12.7
	metres DIFFUSION	2.5	3.5	4.2	5.1	4.6
NECK SIZE	Lit / sec	250	300	400	500	600
	NR	27	28	34	39	45
300 mm	Static Pressure Pascals	10	15	25	40	58
	Throw JET	6.3	7	10.2	13.3	16
	metres DIFFUSION	3.2	3.8	5.1	6.7	8
NECK SIZE	Lit / sec	300	400	600	800	1000
	NR	-	25	35	43	> 50
350 mm	Static Pressure Pascals	5	12	32	60	103
	Throw JET	6.5	8.8	13.8	18	23
	metres DIFFUSION	3.3	4.4	6.9	9	11.5
NECK SIZE	Lit / sec	400	600	800	1000	1200
	NR	-	28	35	43	> 50
400 mm	Static Pressure Pascals	5	15	33	60	145
	Throw JET	7.8	12	16	20	24
	metres DIFFUSION	3.9	6	8	10	12

Sound values are based on a room absorption of 8 dB , re 10<sup>-12</sup> watts.

Radii of diffusion indicated are at a terminal velocity of 0.5 metres per sec.