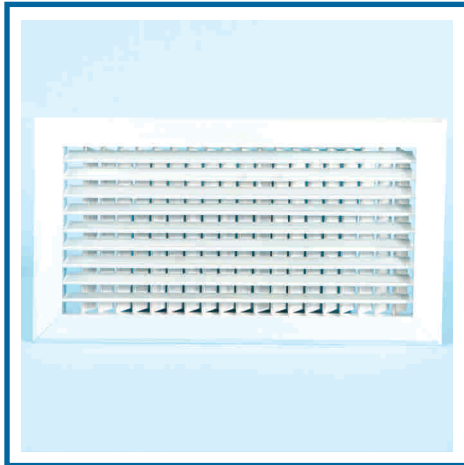


DD Double Deflection Grilles



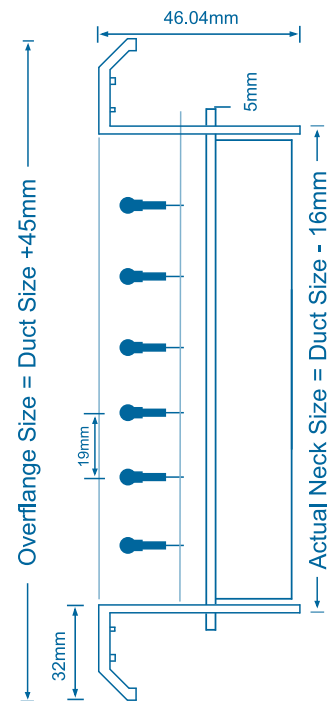
DESCRIPTION

The *equal and approved* Double Deflection Grilles are manufactured from aluminium extrusions with mitred and cleated frames complete with countersunk screw holes. The DD range has two sets of individually adjustable blades, the front set being horizontal and the rear set vertical. DD grilles are supplied in a satin anodised finish as standard but can be painted to available BS or RAL colours.

APPLICATION

Double Deflection grilles can be used for both supply and extract and can be either duct, ceiling or wall mounted. Their most common application is for supply from an exposed duct or sidewall. The adjustable blades allow for on site adjustment of the direction and spread of the air stream making this a very versatile grille.

Volume l/s	Size WxH	150x150	200x200	250x250	300x150	300x300	350x350	400x200	400x400
25	Throw m	1.0	-	-	-	-	-	-	-
	Ps (Pa)	-	-	-	-	-	-	-	-
	NR	-	-	-	-	-	-	-	-
50	Throw m	2.0	1.5	-	-	-	-	-	-
	Ps (Pa)	5	5	-	-	-	-	-	-
	NR	-	10	-	-	-	-	-	-
75	Throw m	4.0	3.5	-	3.5	-	-	-	-
	Ps (Pa)	10	10	-	8	-	-	-	-
	NR	25	10	-	10	-	-	-	-
100	Throw m	x	5.0	4.0	4.5	-	-	-	-
	Ps (Pa)	x	8	5	5	-	-	-	-
	NR	x	15	10	12	-	-	-	-
150	Throw m	x	7.0	5.5	6.5	4.8	-	5.0	-
	Ps (Pa)	x	15	10	12	5	-	5	-
	NR	x	22	15	20	10	-	10	-
200	Throw m	x	x	7.5	x	6.5	5.5	7.0	-
	Ps (Pa)	x	x	15	x	7	5	10	-
	NR	x	x	20	x	15	10	18	-
250	Throw m	x	x	x	x	8.2	7.2	8.5	6.5
	Ps (Pa)	x	x	x	x	10	8	12	5
	NR	x	x	x	x	22	15	25	10
300	Throw m	x	x	x	x	x	8.5	x	8.0
	Ps (Pa)	x	x	x	x	x	15	x	5
	NR	x	x	x	x	x	22	x	15
350	Throw m	x	x	x	x	x	10.0	x	8.8
	Ps (Pa)	x	x	x	x	x	20	x	10
	NR	x	x	x	x	x	30	x	20
400	Throw m	x	x	x	x	x	x	x	10.0
	Ps (Pa)	x	x	x	x	x	x	x	15
	NR	x	x	x	x	x	x	x	25
450	Throw m	x	x	x	x	x	x	x	12.0
	Ps (Pa)	x	x	x	x	x	x	x	28
	NR	x	x	x	x	x	x	x	35



BASIS OF PERFORMANCE DATA

The data is based upon the grille being used for supply. Throw figures are given to a terminal velocity of 0.5m/s at 10 degrees of cooling.

For isothermal conditions multiply by 1.25.

Pressure loss is for the grille fitted with a fully open damper and the blades parallel, +50% for blades at 45 degrees.

AVAILABLE SIZES

The sizes detailed in the table above are for our standard range however other sizes can be manufactured to order.

OPTIONS/ACCESSORIES

Opposed blade dampers, plenum boxes and alternative fixing methods are all available.

