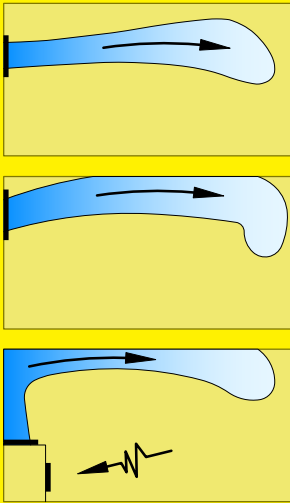


Adjustable supply air

REVERSIBLE LOUVRE

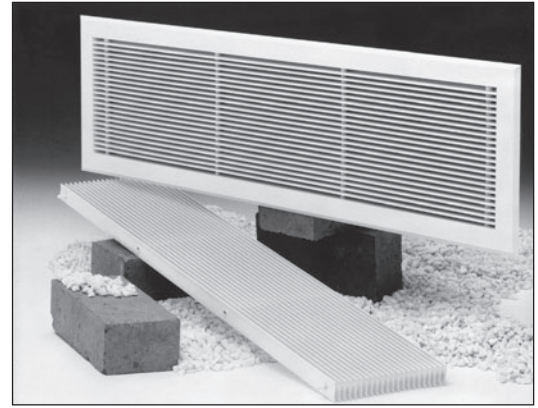
introduction



The RC reversible core grille is particularly suited to cill and sidewall applications requiring an attractive and versatile air terminal.

The close pitch and profile of the core blades are specifically designed to promote rapid diffusion of the air supply, thereby ensuring an even temperature within the occupied zone.

The fixed blade core is readily removable and can be installed to give either 5° or 15° jet deflection.



type

RCSD - RCDD

control

Opposed blade volume control damper - OB

options

For all additional available options, border styles, fixings, finishes and plenums see document **PART L**

fixings

The RC grille is supplied with a removable core to allow concealed fixing methods to be used.

finish

Standard finish is satin anodised aluminium - SAA

sizes

The RC range is available in sizes ranging from 150mm x 100mm to a maximum of 1200mm x 300mm. Widths greater than 1200mm can be supplied in sections.

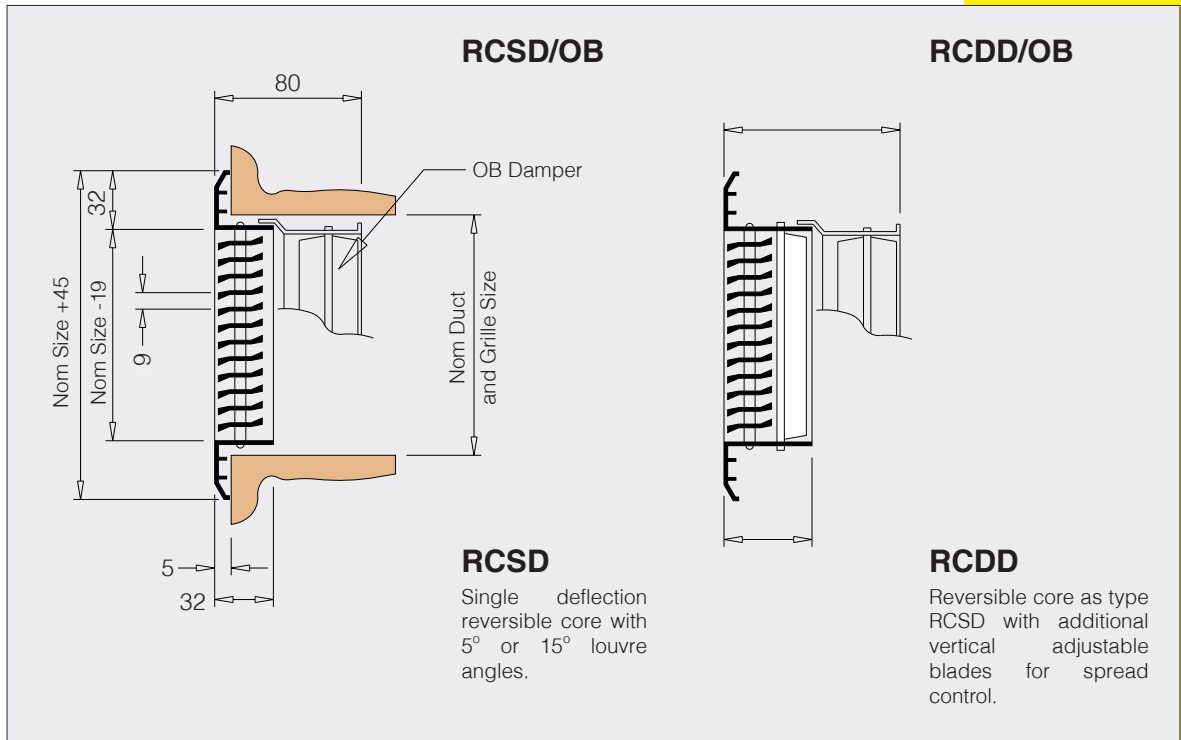
ordering details

example:

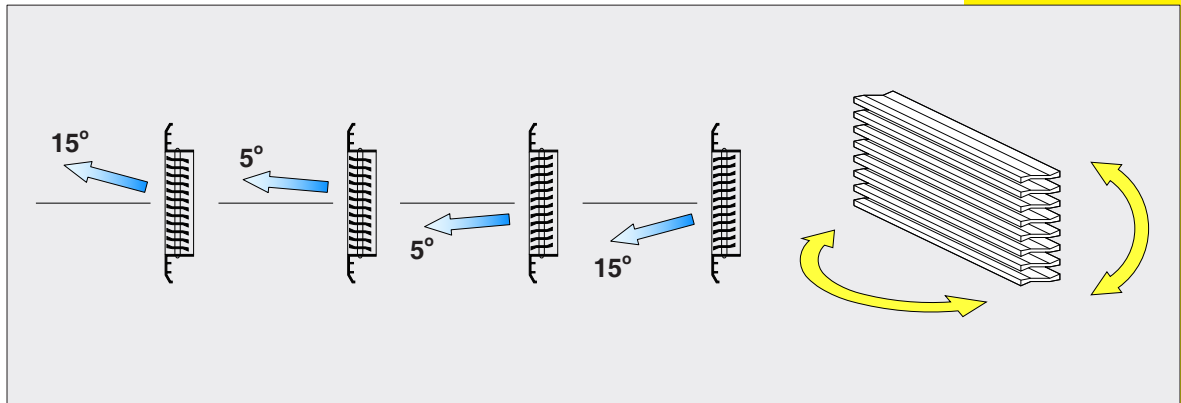
type	control	borders	fixing	finish	width	height	quantity
RCSD	/ OB	/ 32	/ RC	/ SAA	/ 1000	/ 500	/ 6

Adjustable supply air

DIMENSIONS

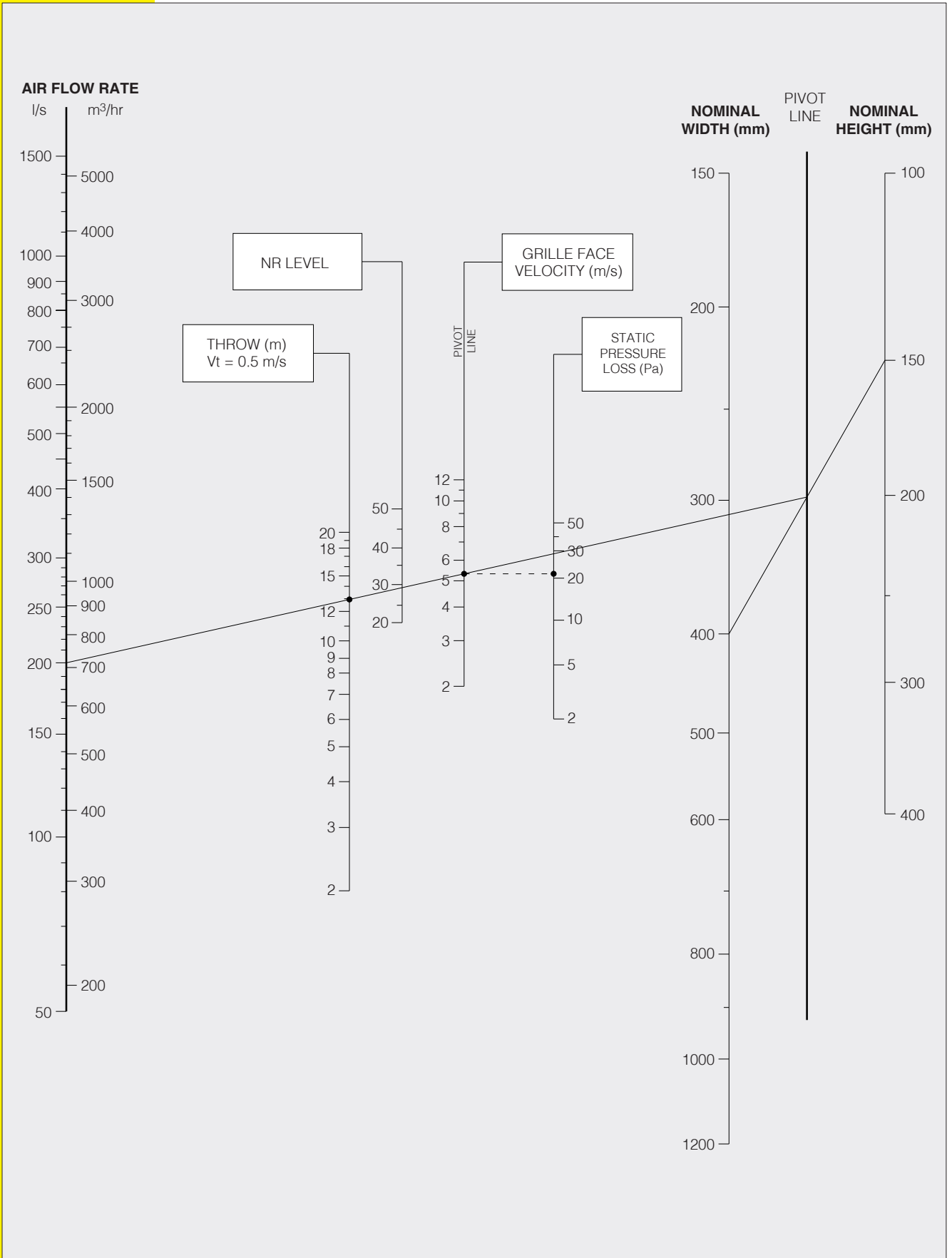


core settings



Adjustable supply air

SELECTION NOMOGRAM

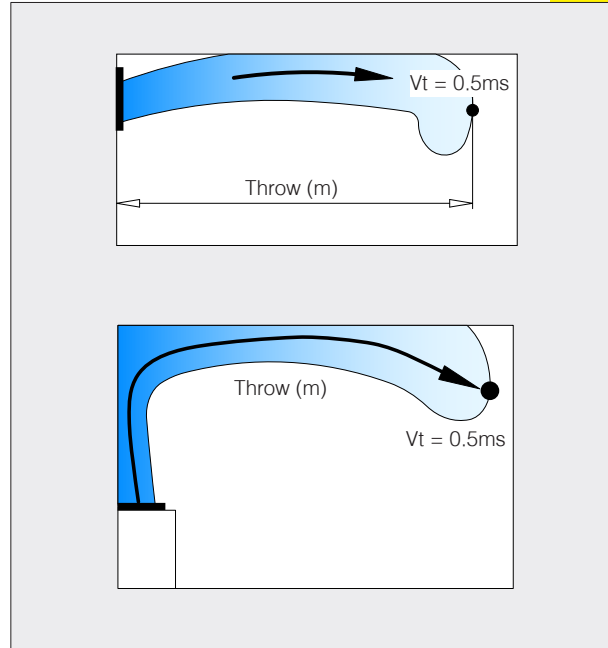


Adjustable supply air

BASIS OF DATA

Throw data is based on a confined (ceiling effect) jet with a terminal velocity of 0.5m/s and a cooling differential of 10°C. Where the grille is to be positioned more than 600mm from an adjacent surface reduce the throws by a factor of 0.7. factor of 8dB.

throws



Additional factors can be applied to correct for other terminal velocities. Acoustic data is presented in terms of NR levels based on a room absorption factor of 8dB.

correction factors

CORRECTIONS FOR LATERAL JET SPREAD (RCDD TYPE)		
	30°	45°
THROW FACTOR	0.75	0.55
NR ADDITION	+4	+8
Ps FACTOR	1.25	1.5

TERMINAL VELOCITY CORRECTION FACTORS	
Vt (m/s)	FACTOR
0.6	0.85
0.4	1.2
0.3	1.5

example

SELECTION EXAMPLE				
	DEFLECTION	THROW (m)	NR	Ps (Pa)
400mm x 150mm RCDD GRILLE PASSING AN AIR FLOW RATE OF 200 l/s	GRILLE 0° DEF	13	28	21
	GRILLE 45° DEF	7	36	31