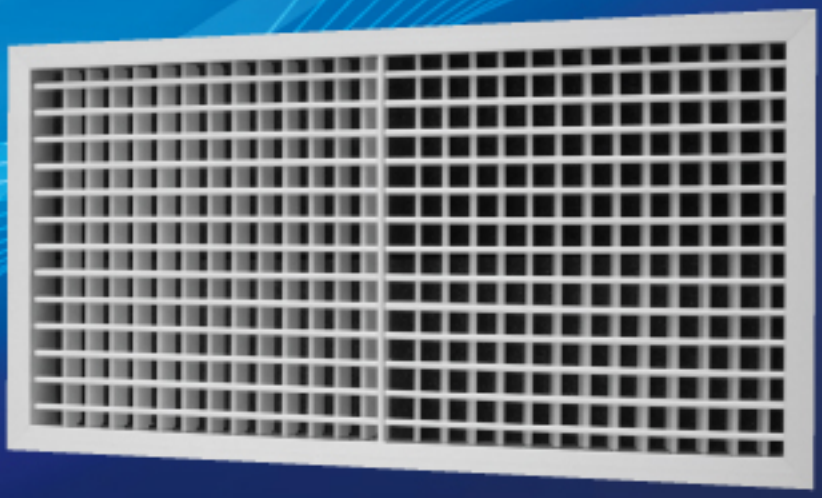


air diffusion
FNW
Engineering Developments Ltd

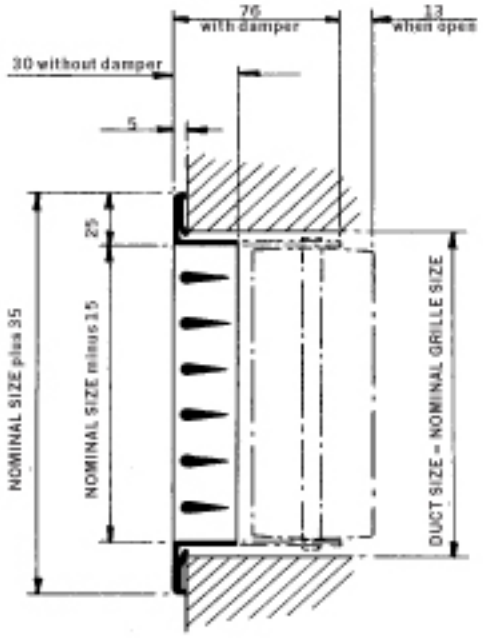
Side Wall Air Supply Grilles types SH SV DH and DV

New Street Skelmanthorpe Huddersfield HD8 9BL Telephone 01484 861233 Fax 01484 864928

All products are manufactured in the UK at the above address

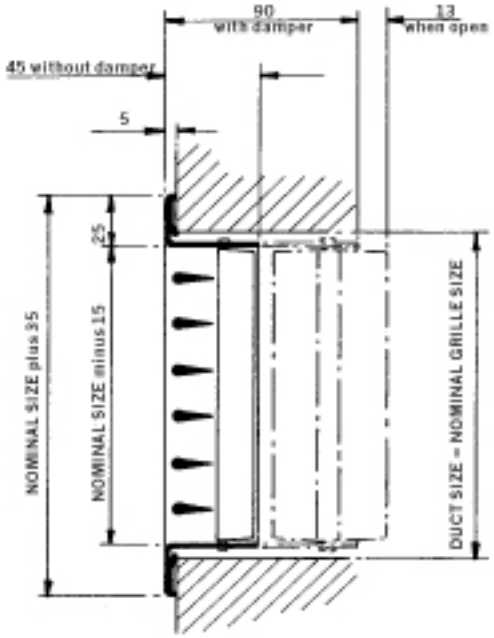
Grille Type SH & SV

[with damper SH/EF AND SV/EF]



Grille Type DH & DV

[with damper DH/EF AND DV/EF]



All FNW plastic faced, steel sidewall air supply grilles have louvres at 25mm centres pivoting about their front edge for individual adjustment.

All consisting of a zinc coated steel spot welded casing with steel pivoting axles welded at their ends onto which self coloured plastic extruded sections are assembled.

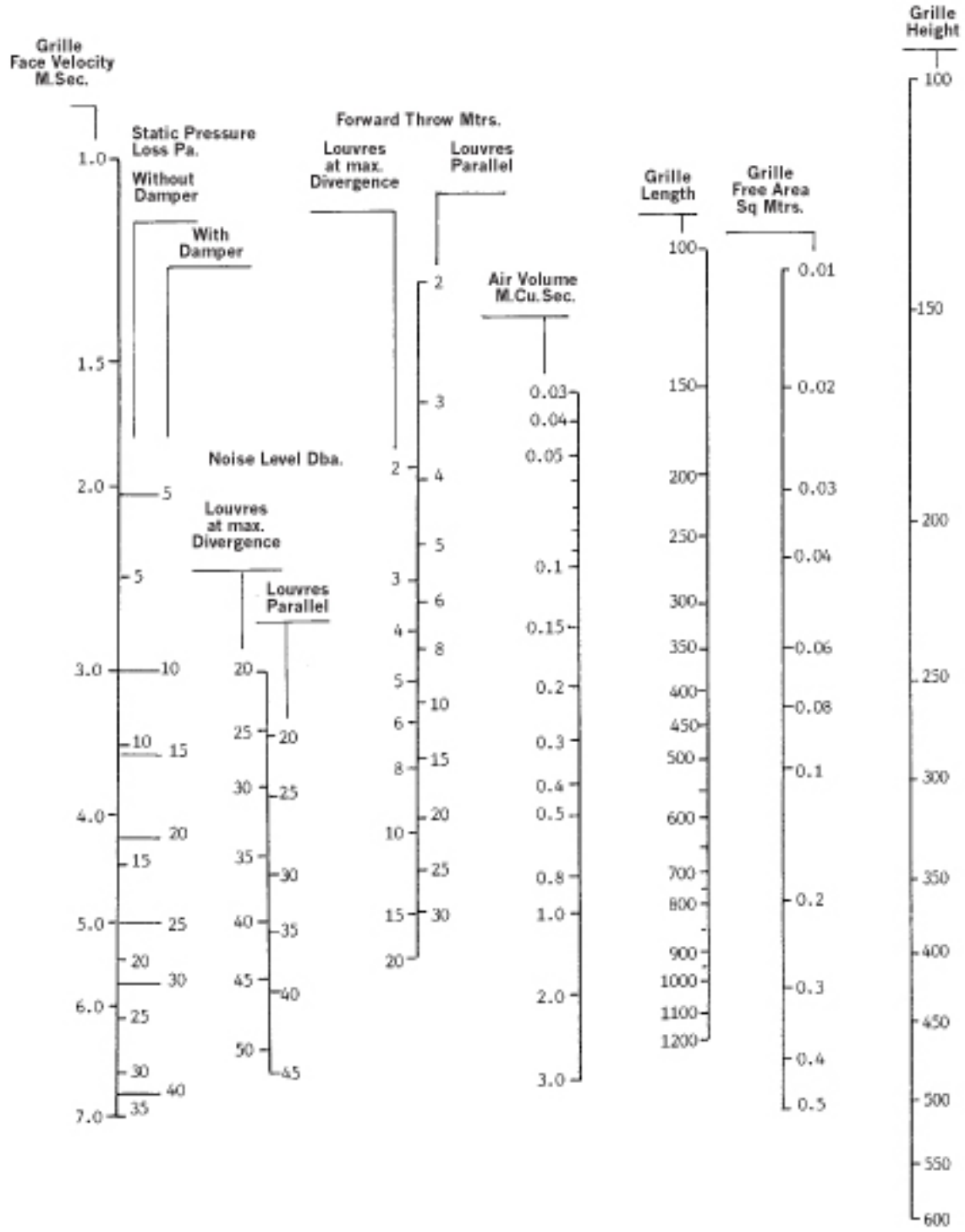
Produced in standard sizes of 50mm size increments from100 x 100mm up to and including 1200 x 600mm, but can be produced in any intermediate size both in length and height. Mullions are provided to limit the span of the louvres to 400mm, they can be produced in larger sizes of up to 2000mm [but when fitted with a volume control damper, limiting the maximum size to 1200 x 600m]
All grille sizes must be expressed as length x height and refer to nominal opening size.

Colours available Black White Cream Grey
But as louvres and flange facings are fitted individually, they may be of the same colour, or the flange can be of a different colour to the louvres.

Volume control dampers can be fitted behind each grille, should this be required, EF should be added to the grille designation chosen, ie a type DH grille would become DH/EF when fitted with a damper.

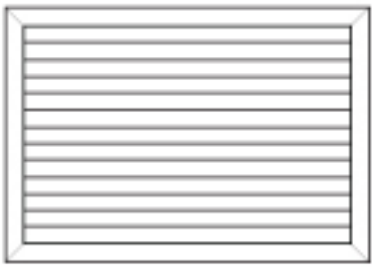
Although possessing excellent non-corrosive properties intheir standard form, this can be enhanced further when grilles are to be installed in corrosion causing atmospheres by polyester coating the zinc coated casings prior to assembly of the plastic extruded sections, the damper unit [if fitted] similarly treated with all moving parts manufactured in stainless steel.

SIZE SELECTION

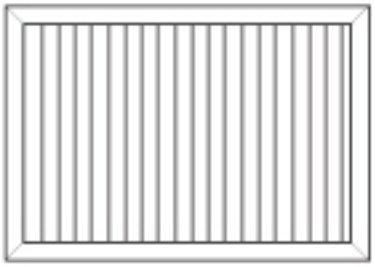


Assuming the Air Volume and the Forward Throw are the known factors from the above nomogram, place a rule intersecting these factors [checking parallel and max. divergent settings] read off the Face Velocity, Static Pressure Loss, Noise Level and the Free Area of grille required to fulfill those conditions.

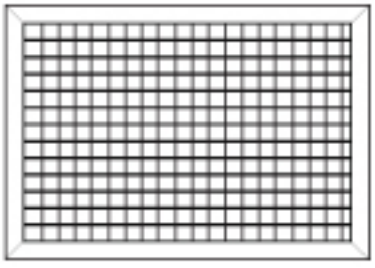
GRILLE TYPES



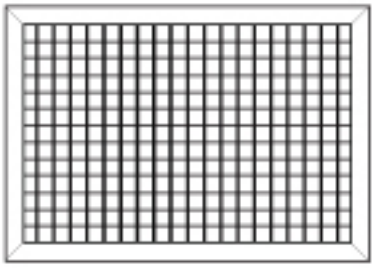
SH Single Horizontal Deflection



SV Single Vertical Deflection



DH Double Deflection Front Louvres Horizontal



DV Double Deflection Front Louvres Vertical