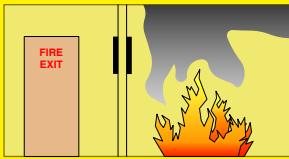


Transfer air

FIRE RATED GRILLES

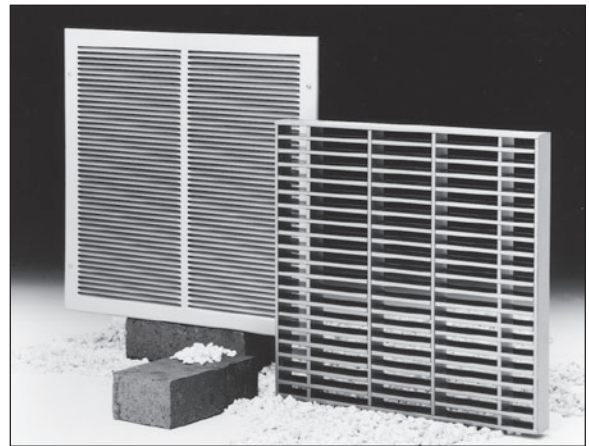
introduction



The fire rated intumescent grille is designed for use as a fire barrier in either doors or partitions and has a 1 hour fire rating in accordance with BS476 Part 8

“Test methods and criteria for the fire resistance of elements of building construction”.

The core of the grille comprises a lattice of Palusol 210 intumescent material which swells at air temperatures above 150°C to form an effective smoke and fire seal across the assembly. The cores are supplied with a set of pressed steel louvre grilles as standard, but can also be offered with other Brooke Air products such as the TG type transfer grille.



type

SG - BV60

options

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

finish

Standard finish for the louvre grilles is stove enamelled white or silver but other colours and types of paint finish are also available as detailed in **PART L**.

sizes

The SG/BV60 assembly is available in sizes ranging from 150 x 100mm increasing in 50mm increments to 600 x 600mm.

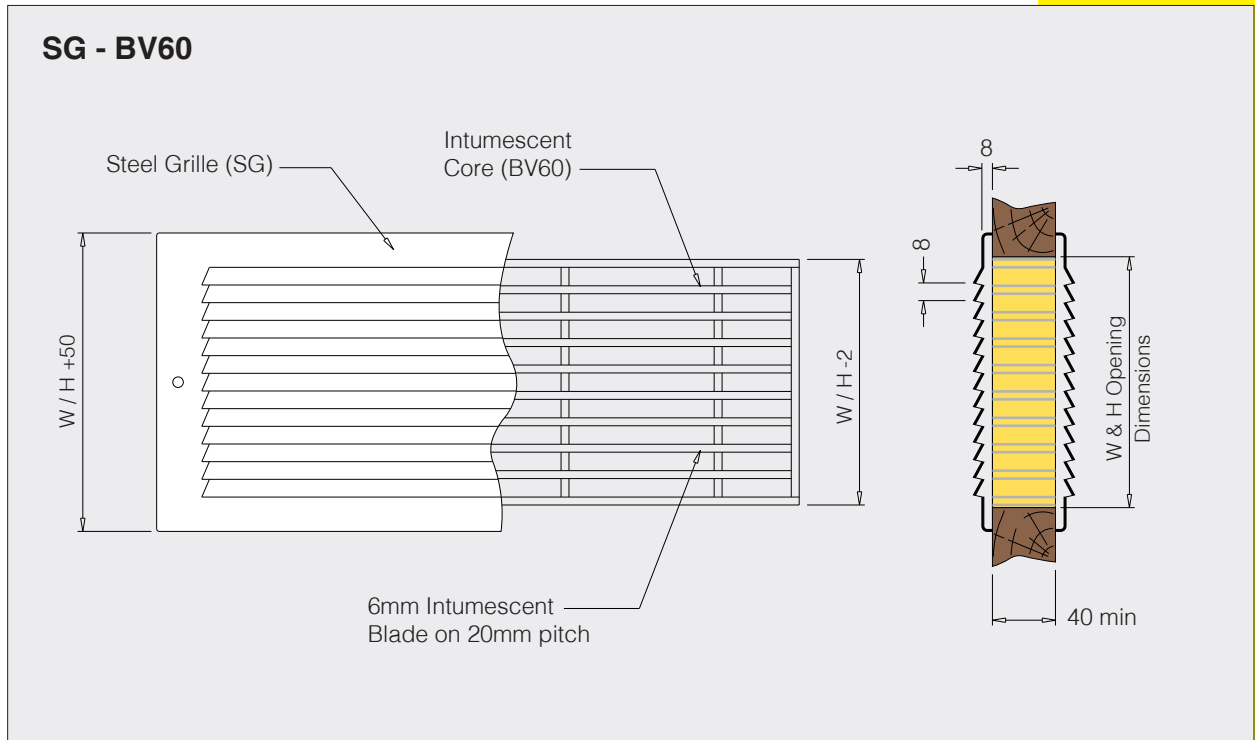
ordering details

example:

type	finish	width	height	quantity
SG / BV60	/ SE	/ 450	/ 200	/ 6

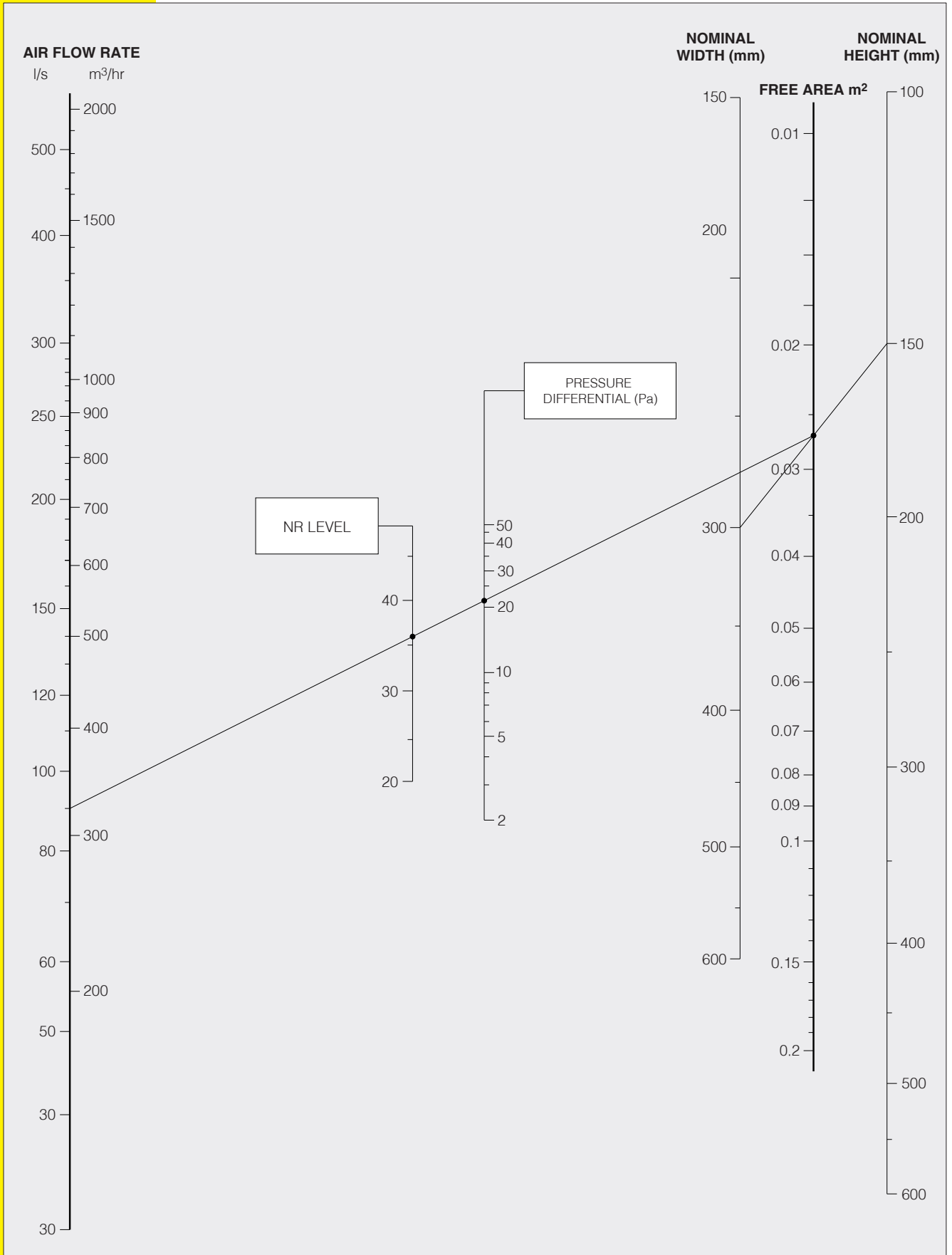
Transfer air

DIMENSIONS



Transfer air

SELECTION NOMOGRAM



Transfer air

BASIS OF DATA

Acoustic data is presented in terms of NR levels based on a room absorption factor of 8dB.

Pressure differential is the resulting difference in static pressure across the grille assembly at the design air flow rate.

Free area is based on the minimum clear area of the grille assembly.

example

SELECTION EXAMPLE		
300 x 150mm BV60 GRILLE ASSEMBLY PASSING 90l/s	ΔP_s	21Pa
	NR LEVEL	NR36
	FREE AREA	0.027m ²