

Fixed linear bar grilles (FBG)

Fixed linear bar grilles (FBG) are suitable for supply and extract air in sidewall or sill applications. They are available with 0°, 15° and 45° blades, pitched to give either 50% or 75% free area. Standard flanges are 19mm although 32mm are available with butt joints to give a continuous appearance. Opposed Blade Dampers (OBD), Equalising Grids (EQG) and Plenum Boxes (PLB) are also available.

Special options are: Flangeless Frames, Reverse Flanges, Grille Cores only, Hinged Access Flaps, Mitred Corner Sections and Two Way Blow. FBG grilles are manufactured from extruded aluminium sections, the mitred corners being fully welded and finished. Finally they are stove enamelled RAL 9010 white as standard. Other finishes are available.



FBG-NB

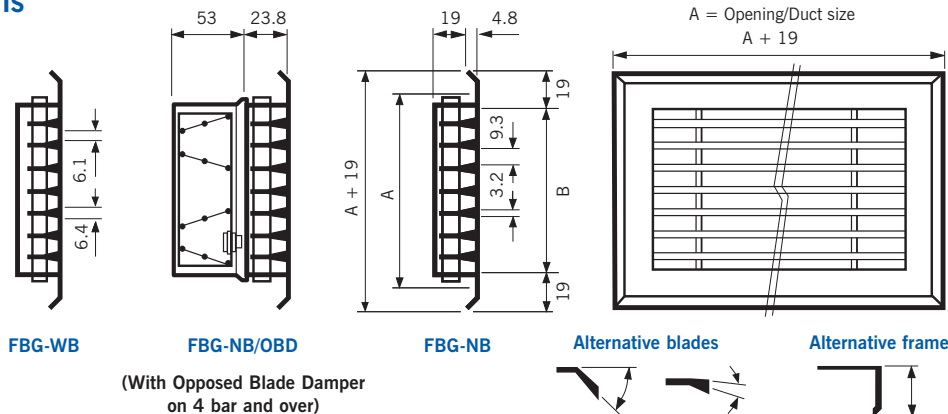
A narrow bladed grille having 75% free area and fixed at 0° deflection.



FBG-WB

A wider bladed grille of lightweight construction having 50% free area and fixed at 0° deflection.

Dimensions



Number of bars	1	2	3	4	5	6	7	8	9	10	11	12
A Opening / Duct height	37.5	50	62.5	75	87.5	100	112.5	125	137.5	150	162.5	175
B Grille core height	18.5	31	43.5	56	68.5	81	93.5	106	118.5	131	143.5	156
Number of bars	13	14	15	16	17	18	19	20	21	22	23	24
A Opening / Duct height	187.5	200	212.5	225	237.5	250	262.5	275	287.5	300	312.5	325
B Grille core height	168.5	181	193.5	206	218.5	231	243.5	256	268.5	281	293.5	306

Fixing methods

- FMA:** Screw fixing optional 32mm flange only
- FMB:** Subframe with concealed screw fixing. Excluding 45° blade angles
- FMC:** Subframe and spring clip
- FMD:** Spring clip only (standard)
- FML:** Yoke and bracket concealed screw fixing

Performance data

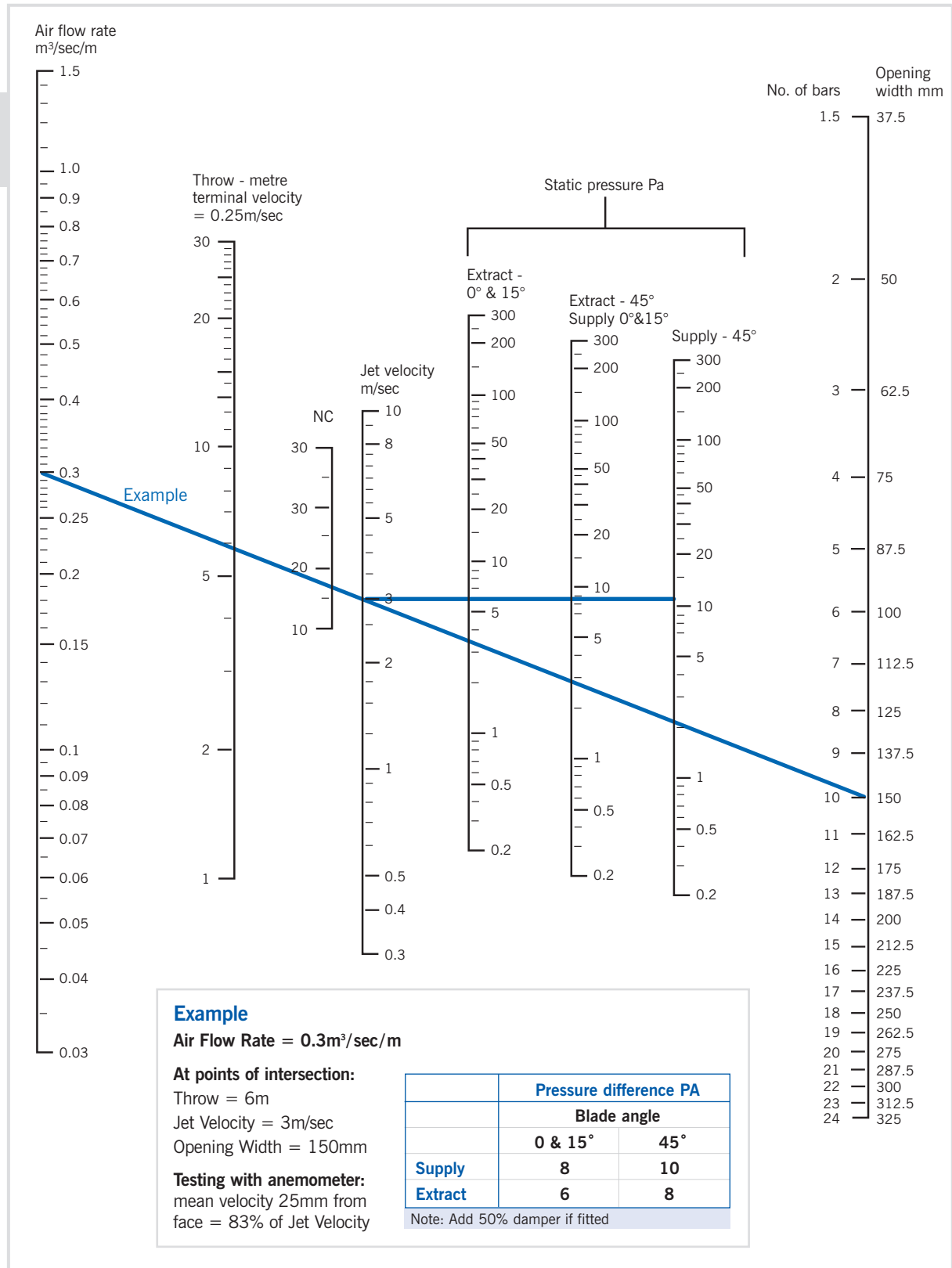
Fixed linear bar grilles Narrow blade (FBG NB)

To select an opening size for a given air volume. Project a line from the known airflow through the flow line and intersect opening width line.

Pressure drops for various applications can be obtained by projecting a line from the jet velocity line horizontally across.

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Fixed linear bar grilles (FBG)



Performance data

Fixed linear bar grilles Wide blade (FBG WB)

To select an opening size for a given air volume. Project a line from the known airflow through the throw line and intersect opening width line. Pressure

drops for various applications can be obtained by projecting a line from the jet velocity line horizontally across.

