

PLASTER-IN FRAME LINEAR BAR GRILLE

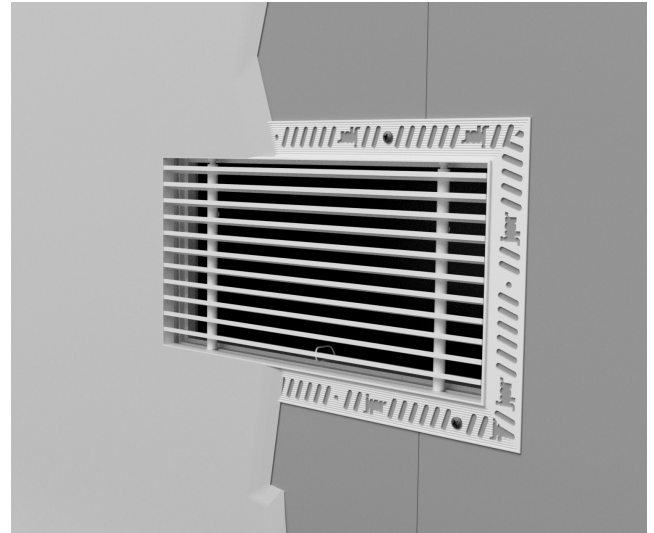


Plaster-in Frame Linear Bar Grille

JPR plaster-in 25P series aluminium linear bar grilles provide a clean, flangeless frame to satisfy the most demanding architectural demands and specifications.

The 25P outer sub-frame can be face fixed through the punched outer frame into the opening with the core removed for a straight forward and simple installation.

Continuous grilles can be supplied in sections for butt joining on site with alignment plates.



Sprung removable cores are provided which are easily installed into the track system.

Grilles are normally manufactured in single lengths of up to 1800mm.

Longer grilles will be manufactured in open-ended sections and supplied with alignment plates for joining on site to give a continuous look.

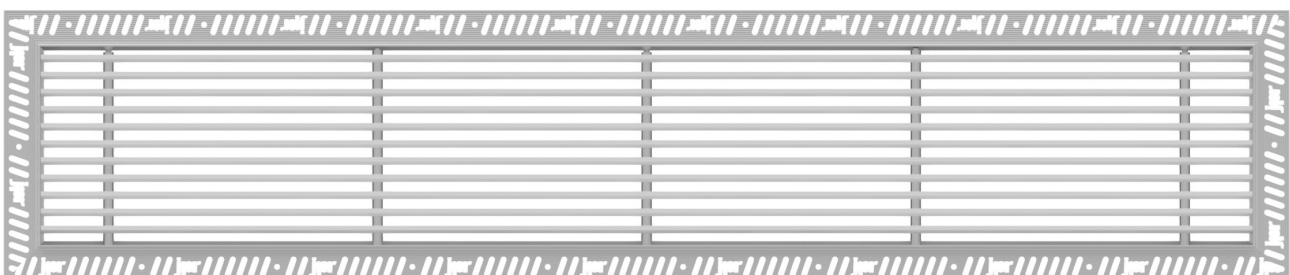
Varying blade profiles can be supplied with 0, 15 and 45 degree profiles available in. 3 and 6mm face profiles are available in the 0 and 15 degree options.

Commissioning of supply air is further aided by the optional JPR SVMB rear straightening vane to give the installer full left/right directional adjustment of supply air within the space.

Rear non-vision plates can also be supplied in 1000 mm long sections supplied loose for site cutting to prevent any direct sight lines through any dummy return air paths specified when using the 25P grilles for both supply and return air.

Blanking plates are also available which are also supplied in 1000 mm lengths for site cutting and installation where required.

Finishing is normally a powder coated RAL colour, other finishes are available.

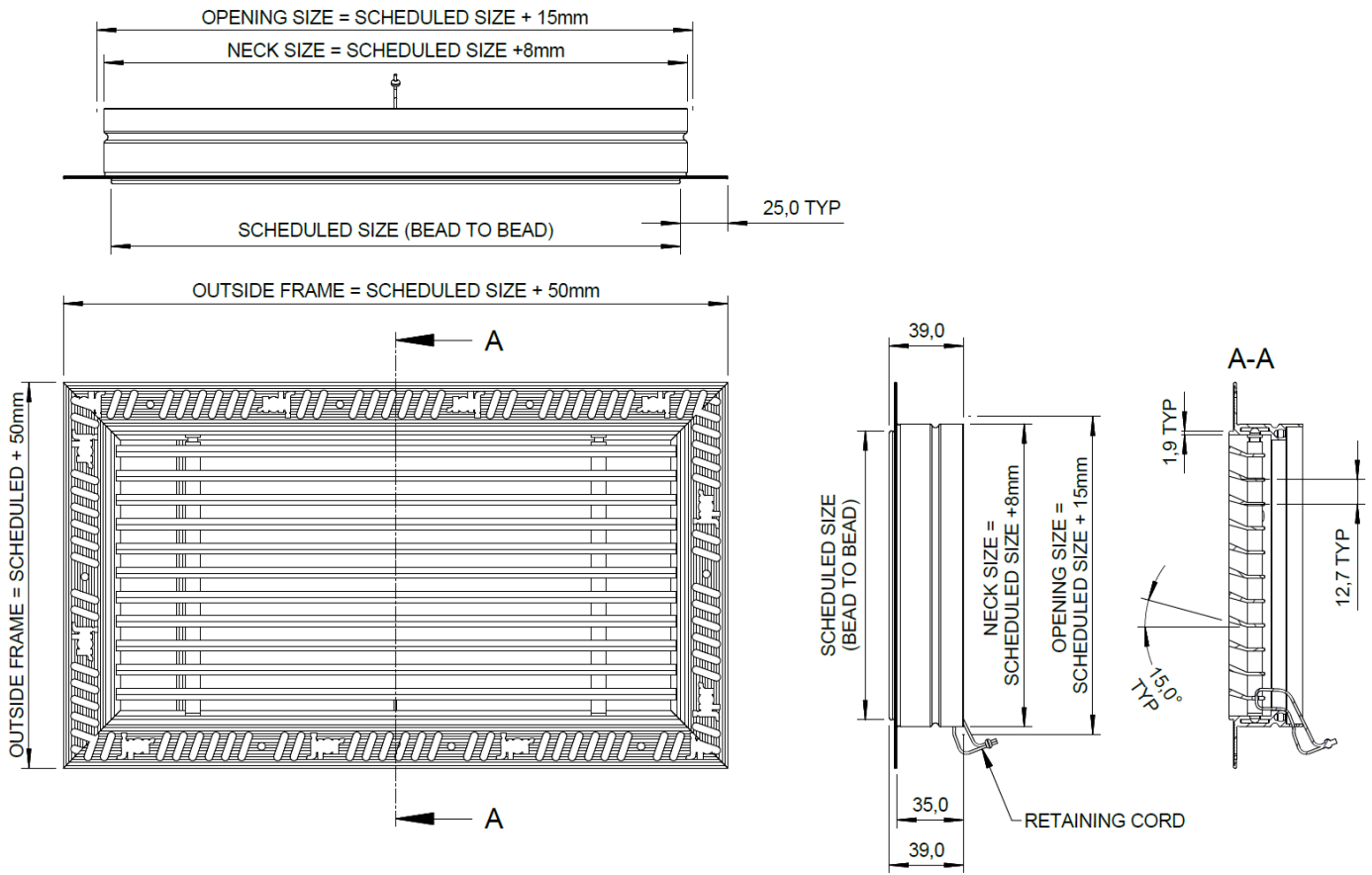


25P PLASTER-IN LINEAR BAR GRILLE

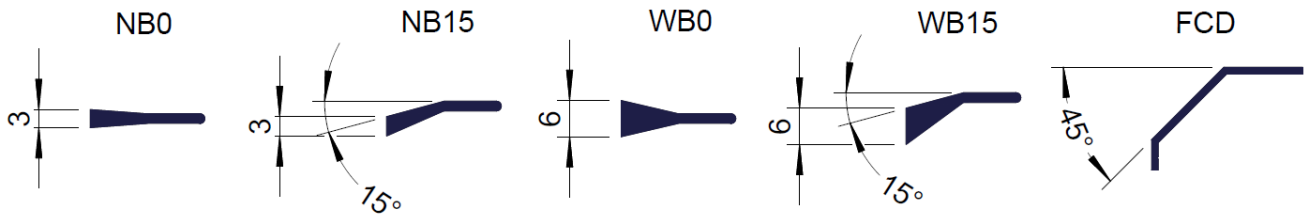


Dimensional Information

25P Plaster-in Frame



Blade Profiles



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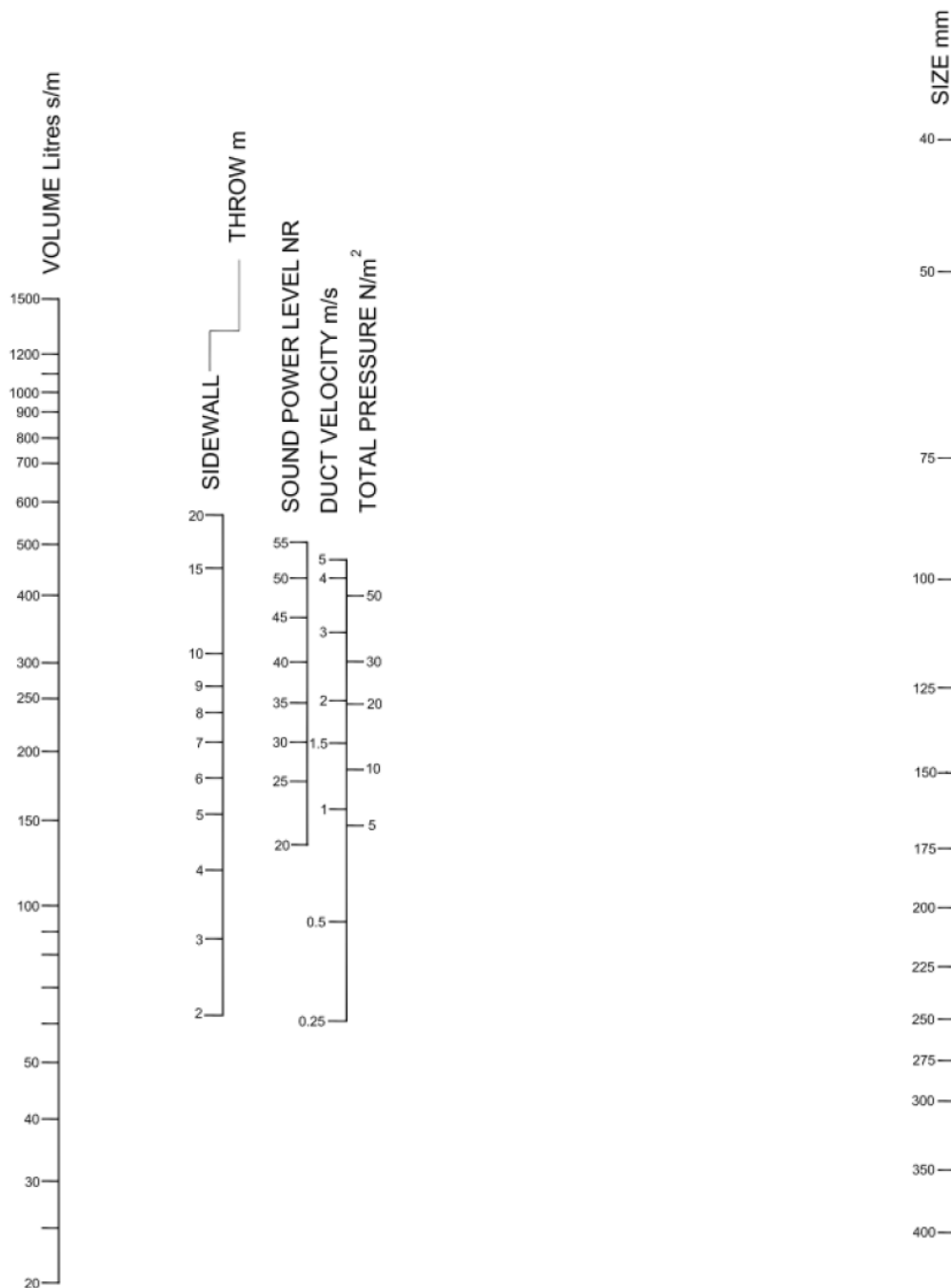
Performance Data - Common sizes

| Throw (m) | 100mm High | | | 130mm High | | | 150mm High | | |
|-----------|--------------|-----------|--------------|--------------|-----------|--------------|--------------|-----------|--------------|
| | <i>l/s/m</i> | <i>Pa</i> | <i>Noise</i> | <i>l/s/m</i> | <i>Pa</i> | <i>Noise</i> | <i>l/s/m</i> | <i>Pa</i> | <i>Noise</i> |
| 1.6 | 40 | 3 | <25 | 45 | 3 | <25 | 48 | 3 | <25 |
| 2.0 | 50 | 3 | <25 | 54 | 3 | <25 | 60 | 3 | <25 |
| 2.5 | 63 | 4 | <25 | 70 | 3 | <25 | 80 | 4 | <25 |
| 3.0 | 80 | 5 | <25 | 88 | 4 | <25 | 98 | 4 | <25 |
| 3.5 | 100 | 9 | <25 | 110 | 6 | <25 | 125 | 5 | <25 |
| 4.0 | 120 | 10 | 30 | 135 | 9 | <25 | 150 | 8 | <25 |
| 4.5 | 138 | 15 | 30 | 150 | 10 | 30 | 165 | 10 | 30 |

| Throw (m) | 175mm High | | | 200mm High | | |
|-----------|--------------|-----------|--------------|--------------|-----------|--------------|
| | <i>l/s/m</i> | <i>Pa</i> | <i>Noise</i> | <i>l/s/m</i> | <i>Pa</i> | <i>Noise</i> |
| 1.6 | 50 | 3 | <25 | 55 | 3 | <25 |
| 2.0 | 65 | 3 | <25 | 70 | 3 | <25 |
| 2.5 | 80 | 3 | <25 | 90 | 3 | <25 |
| 3.0 | 100 | 4 | <25 | 110 | 3 | <25 |
| 3.5 | 135 | 5 | <25 | 145 | 4 | <25 |
| 4.0 | 155 | 6 | <25 | 160 | 5 | <25 |
| 4.5 | 180 | 9 | <25 | 190 | 7 | <25 |

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Selection nomogram



Values shown are for Model 6W. For 3W apply correction factors as shown below.

| 3W Correction Factors | | |
|-----------------------|-------------|----------------|
| Throw | Sound Power | Total Pressure |
| x 0.8 | -2db | x 0.8 |

All values include for fitted opposed blade dampers.

Throw based on 10° cooling to a terminal velocity of 0.25m/s.

Side wall throw assumes flate ceiling not more than 0.5m above the grille centre line.

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Ordering codes

| Frame | Blade | Core Type | Accessories | Fixings | Finish |
|-----------------------------|---|---|--|---|---|
| 25P - 25mm plaster-in frame | NB0 - 3mm / 0° NB15 - 3mm / 15° WB0 - 6mm / 0° WB15 - 6mm / 15° FCD - 45° | FC - Fixed core RC - Removeable core | 0 - None OBD - Opposed Blade Damper SVMB - Straightening Vanes BP - Blanking Plate NVP - Non Vision Plate S - Special | FO - None U - U Bracket S - Special | Mill - Mill Finish RAL - PPC to a RAL Colour Other - Please specify |

Accessories

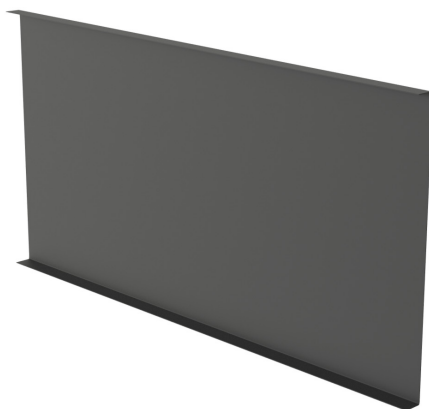
Opposed Blade Damper



Straightening Vanes



Blanking Plate



Non-vision Plate

