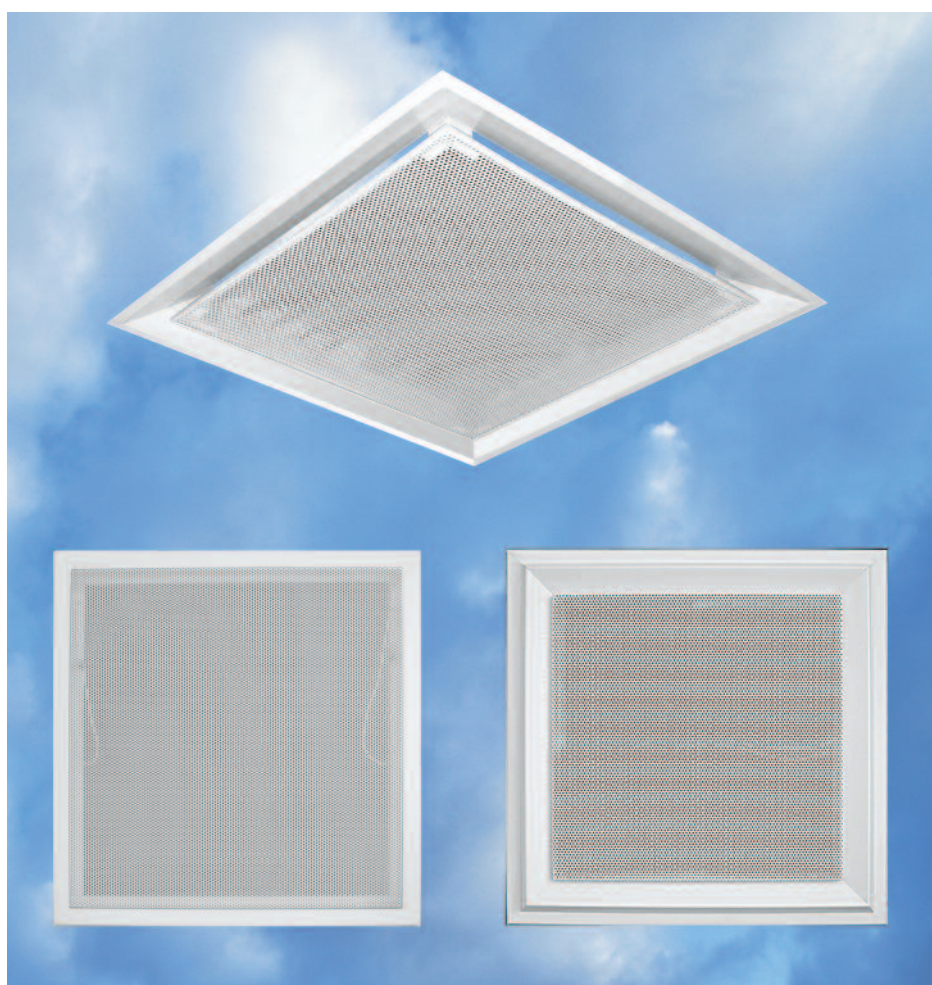


# Perforated Face Ceiling Diffuser

Models PD, DFP and DPP

## Features

- **NEW DROP PLAQUE DESIGN**
- 3 Model Types
- 1,2,3 or 4way Air Patterns
- Extruded Aluminium Sections
- Welded Frame Construction
- Supply or Return Air Applications
- Optional Opposed Blade Damper
- Purpose Designed Plenum Boxes



# Air Diffusion

Grilles Diffusers Chilled Beams

Ruskin Air Management Limited  
[www.ruskinuk.co.uk](http://www.ruskinuk.co.uk)

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## Introduction

A comprehensive range of ceiling mounted perforated face diffusers is available, including the redesigned Model PD, Model DFP drop face perforated diffuser and a new design Model DPP drop plaque perforated face diffuser. Each diffuser produces a radial air pattern and even air distribution making the diffusers suitable for most applications including general office areas, public areas, restaurants and kitchens.

A new feature encompassing a two-position perforated face design is incorporated into the Model DPP drop plaque perforated face ceiling diffuser, which results in the diffuser providing rapid room entrainment. An easily adjustable two-position perforated plaque gives alternative air projection into the occupied space.

A collection of popular frame styles allows integration with most modular ceiling systems. All outer frames are manufactured from high quality extruded aluminium sections and feature a welded construction.

The Model PD has a 25mm wide flange designed for surface mount or tee bar installation; otherwise a variety of flange styles are available to suit Recessed, Tegular or "Clip in" Spring Tee types of ceiling grid systems. An aerodynamic anti smudge dropped flange frame is included with the Model DFP, which is suitable for a concealed "T" or "lay-in" ceiling grid system, in addition clips can be supplied for installation into a "Clip in" Spring Tee type ceiling system.

A hinged inner perforated core is incorporated into Model PD and Model DFP, for ease of access and installation. Each core assembly is factory fitted with a retention cord. Model DPP includes a 2 position drop plaque, which is easily removed by gently pulling down the inner perforated plaque on each corner and releasing each leg from the outer extrusion.

Model PD is offered as standard with a 4 way supply air pattern, using a deflection disc fixed onto the back of the perforated face plate. A further choice of 1 way, 2 way opposite, 2 way corner and 3 way patterns is simply added by the use of

supplementary air pattern deflection plates behind the perforated face.

Model DPP and DFP include a set of air pattern vanes which for supply air is arranged in a 4 way air pattern, although 3 way, 2way opposite, 2 way corner and 1 way air patterns may also be provided by re-arranging the air pattern vanes accordingly.

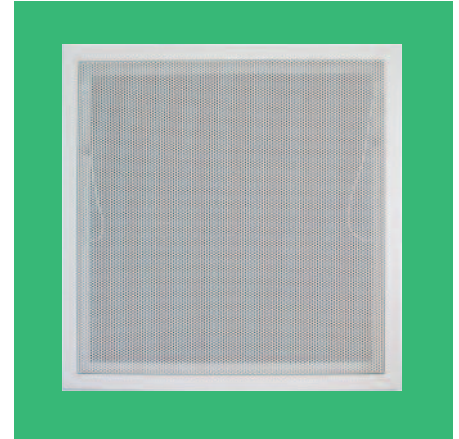
As standard each diffuser gives a horizontal supply air discharge pattern. For matching return air diffusers the deflection plates of air pattern vanes are omitted.

With the diffuser in situ, the deflection plates and vanes can be re-positioned to alter the air pattern but the visual appearance remains unchanged, increasing the aesthetic appeal of the diffuser.

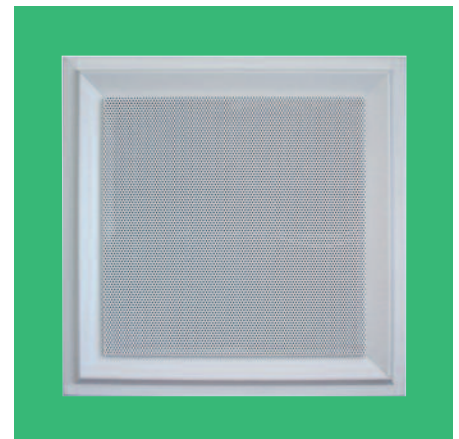
Each diffuser can be fitted with an optional opposed blade damper. The damper is designed as an air balancing/trimming device and is operated via a screw cam through the diffuser neck with the core removed.

Purpose designed and individually selected plenum boxes are available to ensure the performance and characteristics of the diffuser.

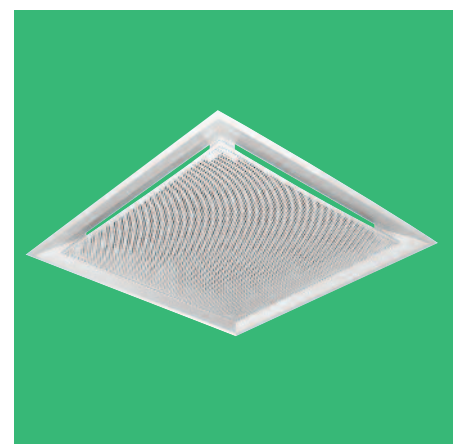
As standard, Models PD, DFP & DPP have a polyester powder white finish to RAL9010 (20% gloss) or alternatively, silver polyester powder to RAL9006. Other special finishes are available on request.



**Model PD**



**Model DFP**



**Model DPP**

Diffuser Specification

Material

Standard outer frames from best quality extruded aluminium sections. Perforated faces from Galvanised steel, having 37.5% free area.

Construction

Outer frame sections mitred with welded seams. Perforated faces fixed using pivot pin or clip in bracket arrangement.

Standard Installation Method

Standard is plain un-drilled flange for surface mount or lay in tee bar installation, duct connection by screw fixing through neck (Type F0 fixing). Access for duct installation is with the core removed.

Installation Options

Countersunk screw holes in flange (Type F1 fixing). Model PD 25mm flat flange only.



Clip in "Spring Tee" style fixing, confirmation of the ceiling type and spring tee is required (Type F8 fixing).



Twist in brackets type TSC2. (Type F7 fixing) Model PD only.

If a plenum box or pan adapter is required, the diffuser can be supplied already fixed to the box. The box/diffuser assembly is then supported with on site fixings (by others).

Accessories

Opposed Blade Damper, operated by screw cam with the core removed.

Matching Plenum Box or Pan Adapter, side or top entry circular, square or rectangular spigots available with spigot dampers if required.

Rear quadrant Blanking Plates to maintain diffuser appearance. Plates manufactured from plated steel and painted black, (Model PD only).

Finish

Standard is White Polyester Powder Coat to RAL9010 (20% gloss) (type 83) or Silver Polyester Powder Coat to RAL9006 (type 82). Alternative special finishes are also available on request.

Standard Model Types

PD4 – Square Perforated Diffuser with 4way air pattern.

PD3 – Square Perforated Diffuser with 3way air pattern.

PD2 – Square Perforated Diffuser with 2way Opposite air pattern.

PD2C – Square Perforated Diffuser with 2way Corner air pattern.

PD1 – Square Perforated Diffuser with 1way air pattern.

PDE – Square Perforated Diffuser for Extract (No deflection plates).

DFP4 – Square Perforated Diffuser having fixed position drop face with 4way air pattern.

DFP3 – Square Perforated Diffuser having fixed position drop face with 3way air pattern.

DFP2 – Square Perforated Diffuser having fixed position drop face with 2way Opposite air pattern.

DFP2C – Square Perforated Diffuser having fixed position drop face with 2way Corner air pattern.

DFP1 – Square Perforated Diffuser having fixed position drop face with 1way air pattern.

DFPE – Square Perforated Diffuser having fixed position drop face for Extract (No deflection vanes).

DPP4 – Square Perforated Diffuser having 2 position drop plaque with 4way air pattern.

DPP3 – Square Perforated Diffuser having 2 position drop plaque with 3way air pattern.

DPP2 – Square Perforated Diffuser having 2 position drop plaque with 2way Opposite air pattern.

DPP2C – Square Perforated Diffuser having 2 position drop plaque with 2way Corner air pattern.

DPP1 – Square Perforated Diffuser having 2 position drop plaque with 1way air pattern.

DPPE – Square Perforated Diffuser having 2 position drop plaque for Extract (No deflection vanes).

If an opposed blade damper is required the code reference letter G is replaced by R to denote that a damper is to be fitted (i.e. PD 4R = 4 Way air pattern diffuser with OBD fitted).

Standard Size Range

Model PD	Overall Size
25mm Lay In Flat Flange	295 x 295mm
	298 x 298mm
	495 x 495mm
	498 x 498mm
	595 x 595mm
8 or 16mm Tegular	598 x 598mm
	493 x 493mm
	593 x 593mm
27mm Bevel Edge	598 x 598mm
<b>Model DFP</b>	
76mm Anti Smudge Flange	595 x 595mm
	598 x 598mm
<b>Model DPP</b>	
15mm Bevel Edge	595 x 595mm
	598 x 598mm

Other sizes also available, please contact Sales Office for details.

## Plenum Box Specification

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### Material

Standard is a minimum of 0.7mm thick galvanised or zinc coated steel.

### Construction

Plenum boxes are generally fabricated in 3 sections having tray ends, which are either mechanically joined or spot welded to form an airtight seal. Flush ends (no tray indents) are also available. As standard, spigots are side entry and located centrally. All boxes are supplied with straight edges, as standard, (F0 fixing). Hemmed edges are available for use with secret fixing brackets (F6 fixing).

### Standard Installation Method

The tray ends of the plenum box incorporate a 15mm indent, on each side to allow for 8mm drop rod fixings, which gives space for holes to be drilled (by others) without disturbing the active section.

### Installation Options

Fixing lugs can be factory fitted if preferred or special fixing methods (by others) may be used.

For plenum boxes having flush ends separate hanging brackets/fixing lugs need to be fitted to allow independent support of diffuser and plenum box.

### Accessories

Joggled style plenum boxes or pan adapters.

Spigot dampers include; quadrant, teleflex operation or cord operated.

12mm thick Class 'O' internal lining.

Equalising grids (50% free area perforated mesh).

Turning Vanes.

Fixing lugs or special fixings (by others).

Plain Ends (No Indent).

Hemmed edge plenum boxes (type F6 diffuser fixing brackets are used as standard).

### Finish

Self finish galvanised or zinc coated steel as standard.

Black paint can be applied to internal faces if required.

### Standard Model Types

**PBS – 1** Standard unlined plenum box with either 1 number centrally located circular or square/rectangular **side** entry spigot having no damper or equalising grid.

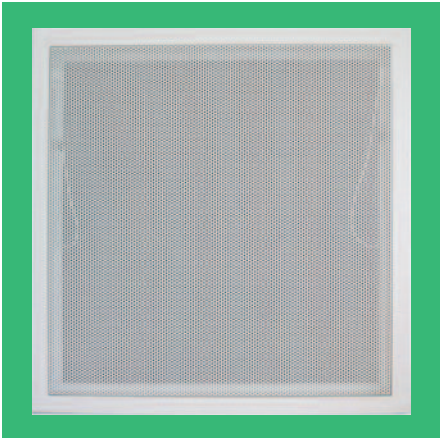
**PBS – 2** Standard unlined plenum box with either 1 number centrally located circular or square/rectangular **top** entry spigot having no damper or equalising grid.

**PBS – 3** Unlined **joggled** plenum box with 1 number centrally located circular or square/rectangular **side** entry spigot having no damper or equalising grid.

**PA – 1** Unlined pan adapter with 1 number centrally positioned circular or square/rectangular spigot having no damper or equalising grid.



Model PD



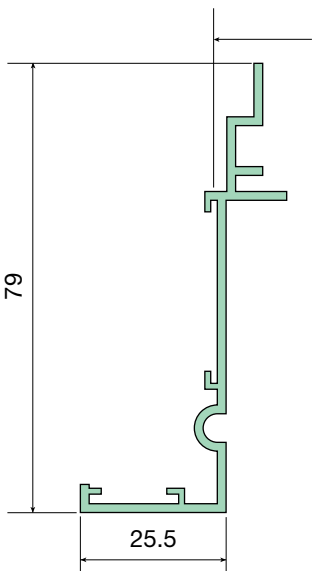
Description

The redesigned Model PD square perforated face ceiling diffuser is intended to be compatible with 3 main ceiling grid sizes 300 x 300, 500 x 500 and 600 x 600. It is offered in a variety of flange styles to suit most contemporary ceiling grid systems. Incorporated in the design is a hinged perforated face inner core, which has a retention cord fitted, but the core is also removable to allow complete access for both installation and maintenance.

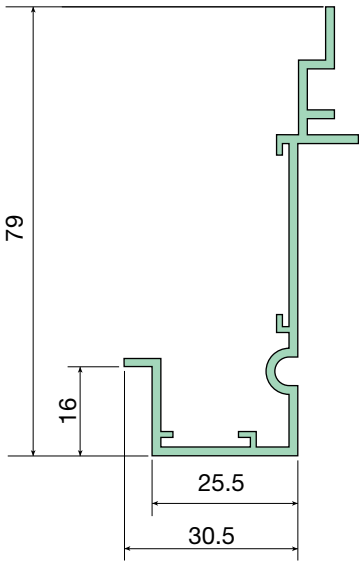
The diffuser may be used for either supply or extract purposes. When used in a supply application a central disc is fixed to the rear of the inner core, which gives a 4 way horizontal discharge. For extract use no disc is fitted. To change the air pattern, internal deflection plates are fitted to the frame behind the perforated core to provide the required; 3 way, 2 way opposite, 2 way corner or 1 way discharge. By changing the air pattern the external visual appearance remains the same, which adds considerable aesthetic appeal to this type of diffuser.

Flange Styles

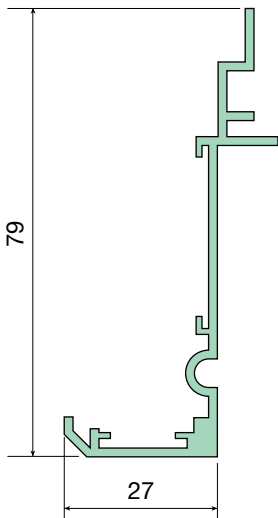
25mm Lay In Flat Flange



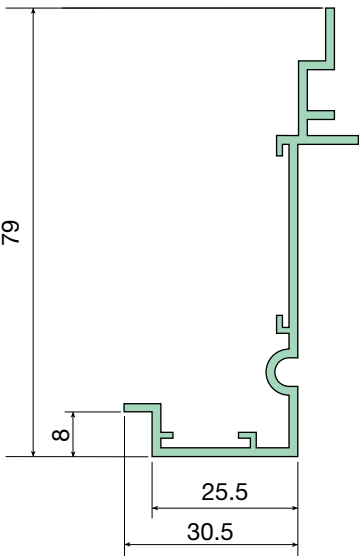
16mm - Tegular (16TW)



Bevel Edge (27BW)



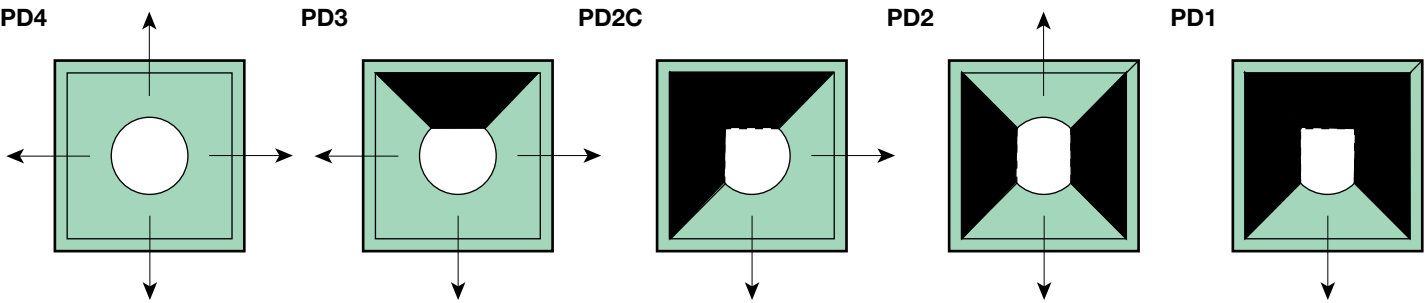
8mm - Tegular (8TW)



Model PD

Continued

Air Patterns

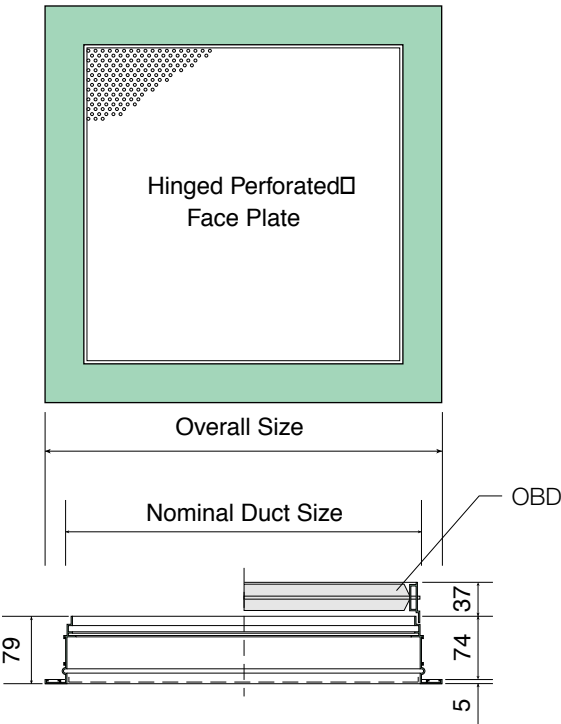


Deflection baffles can be removed or repositioned on site.

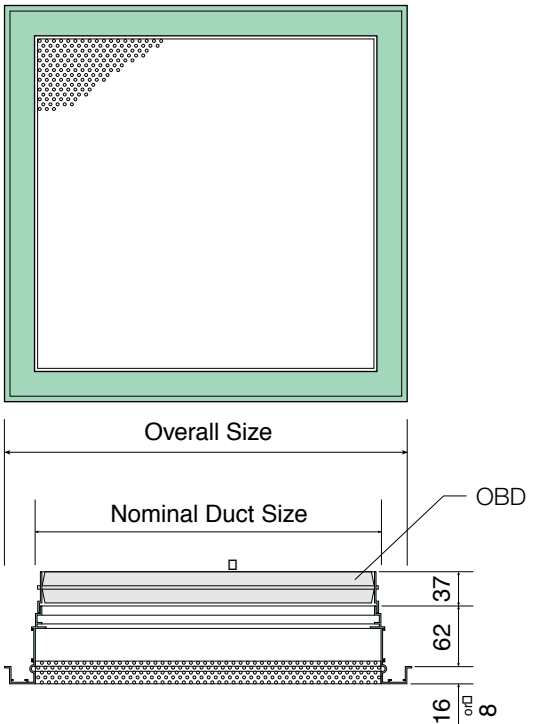
Size Range

Flange Style	Overall Size	Nominal Duct Size	Ceiling Opening Size
Lay In Flat Flange (25 mm)	295 x 295mm	248 x 248mm	259 x 259mm
	298 x 298mm	251 x 251mm	262 x 262mm
	495 x 495mm	448 x 448mm	459 x 459mm
	498 x 498mm	451 x 451mm	462 x 462mm
	595 x 595mm	548 x 548mm	559 x 559mm
	598 x 598mm	551 x 551mm	562 x 562mm
Tegular (8 or 16mm)	493 x 493mm	436 x 436mm	457 x 457mm
	593 x 593mm	536 x 536mm	557 x 557mm
Bevel Edge (27mm)	598 x 598mm	547 x 547mm	562 x 562mm

Dimensions



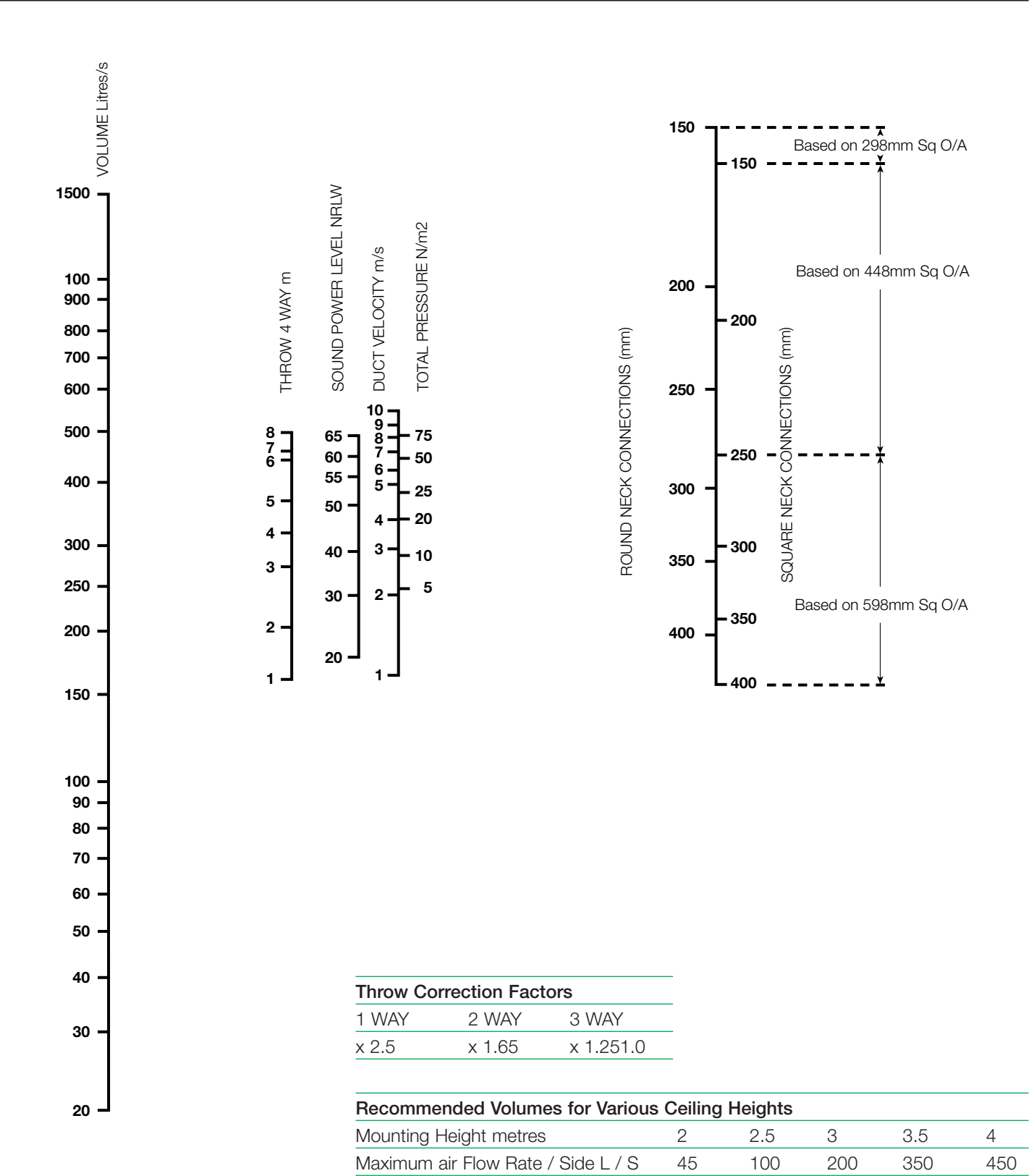
25W Flat Flange 27BW Bevel Edge only



8TW and 16 TW Tegular Flange

Model PD – Selection Data

Models PD Nomogram



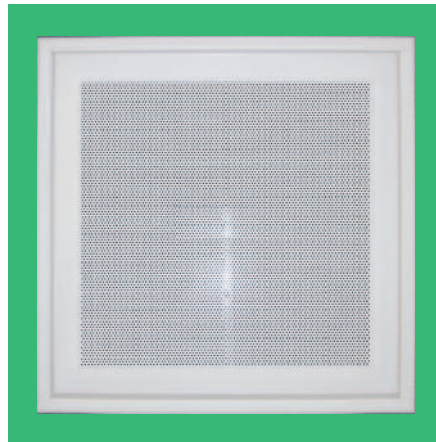
Throw is based on a temperature differential of 10 °C cooling to terminal velocity of 0.5 m/s to give average room velocity of 0.18 m/s with a room height of 2.7 when mounted flush with an unobstructed flat ceiling. sound power and pressure levels are based on supply with dampers fully open.



## Model DFP

### Description

Model DFP square drop face perforated ceiling diffusers is designed to suit a 600 x 600mm grid ceiling system and is available in two overall face sizes of 595 x 595mm or 598 x 598mm, suitable for installation in a 'Lay in' or 'Spring tee' type ceiling. It is offered for either supply or extract applications. When used for supply air the diffuser is fitted with an internal cruciform holding the deflection vane quadrants, the vanes are arranged to provide the required air pattern. For extract use no deflection vanes are fitted.



Model DFP



Model DFP

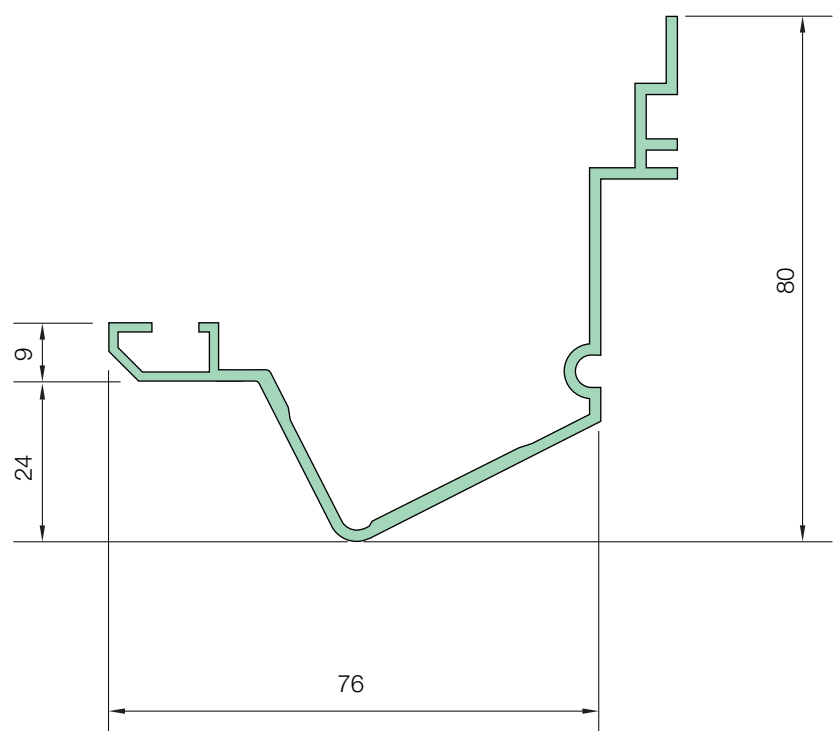
With perforated face hinged, showing air pattern vanes.



Model DFP side view

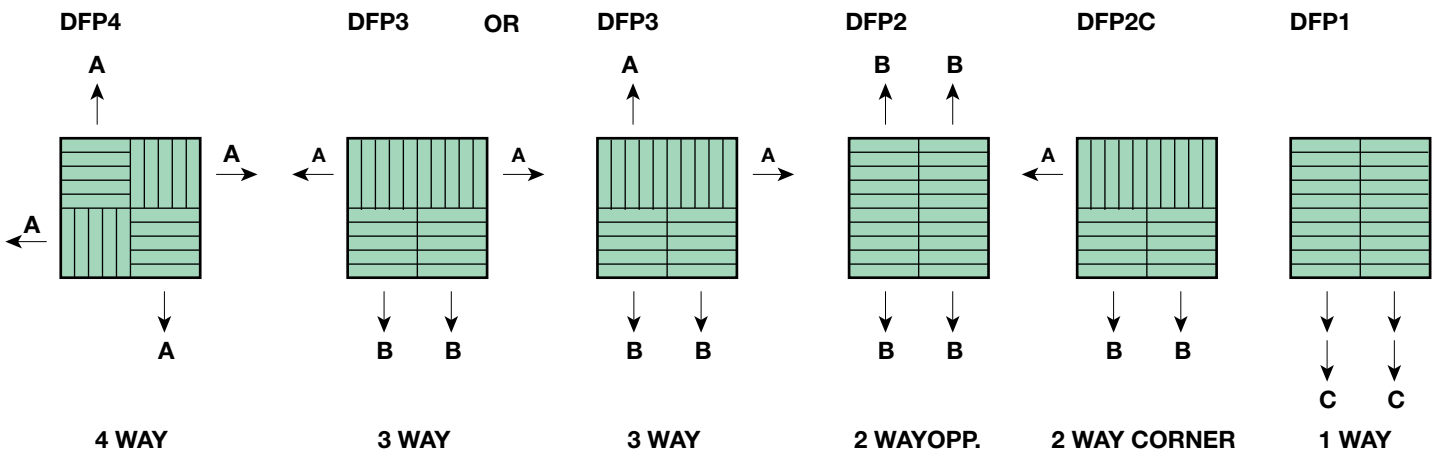
### Flange Style

#### Anti smudge flange (76W)



Model DFP

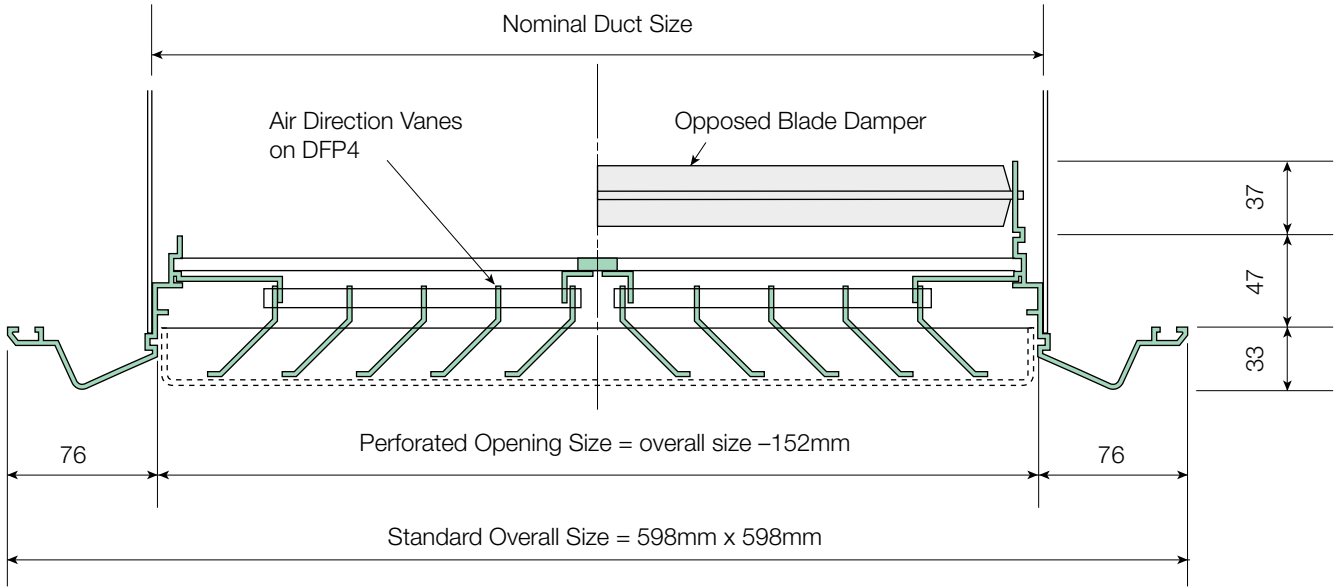
Standard Air Patterns



Size Range

Flange Style	Overall Size	Nominal Duct Size	Ceiling Opening Size
Drop Face 76mm	595 x 595mm	450 x 450mm	455 x 455mm
Drop Face (Standard) 76mm	598 x 598mm	453 x 453mm	458 x 458mm

Dimensions



## Model DFP Selection Data

### Supply Performance Data

Model DFP(1-4)-0 (-R).

Overall size to suit a 600mm square ceiling grid with a 300mm diameter neck.

Volume l.s	150	200	250	300	350
Neck Velocity m/s	2.1	2.9	3.6	4.3	5.0
Total Pressure Pa	5	10	16	22	28
Sound Power NRLW	24	32	38	44	48
Throw A metre	1.1	2.0	2.4	2.9	3.4
Throw B metre	1.8	2.4	2.8	3.4	4.4
Throw C metre	2.2	3.1	4.3	5.6	6.8

Throws are to a terminal velocity of 0.5m/s.

For DFP(1-4)(-R) with 450mm square neck :-

Throw x 0.7 – Sound power Level deduct 7db.

For supply cooling applications we do not recommend an effective neck velocity below 1.0 m/s.

### Exhaust Performance Data

#### Model DFPE- 0

Overall size to suit a 600mm square ceiling grid with a 300mm diameter neck.

Volume l.s	150	200	250	300	350	400
Neck Velocity m/s	2.1	2.9	3.6	4.3	5.0	5.7
Total Pressure Pa	3	6	12	18	23	27
Sound Power NRLW	–	23	29	36	43	47

Sound power levels are given. For most applications 4db may be subtracted to allow for absorption.

#### Model DFPE- 0

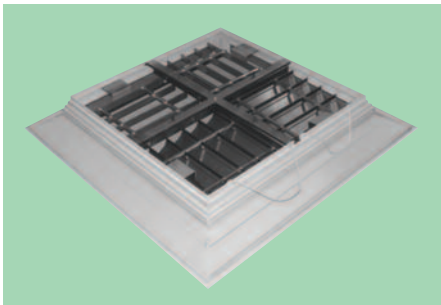
Overall size to suit a 600mm square ceiling grid with a 450 x 450mm square neck.

Volume l.s	150	250	350	450	550	650
Neck Velocity m/s	0.75	1.25	1.75	2.25	2.75	3.25
Total Pressure Pa	–	3	5	10	16	25
Sound Power NRLW	–	–	23	29	36	42

Model DPP

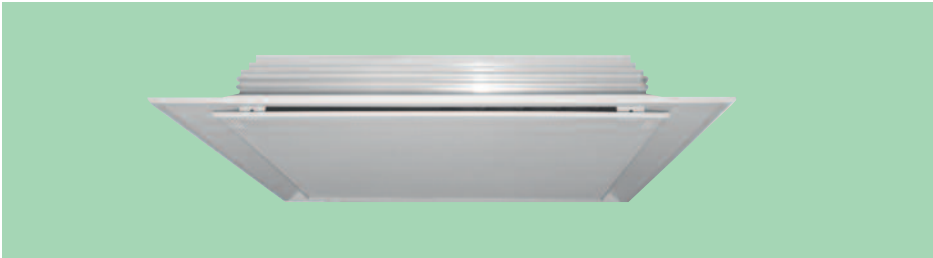
Description

The newly designed Model DPP square drop plaque perforated face ceiling diffuser is designed to suit a 600 x 600mm grid ceiling system and is available in two overall face sizes of 595 x 595mm or 598 x 598mm. It is offered for either supply or extract applications. When used for supply air the diffuser is fitted with an internal cruciform holding the deflection vane quadrants, the vanes are arranged to provide the required air pattern. For extract use no deflection vanes are fitted.

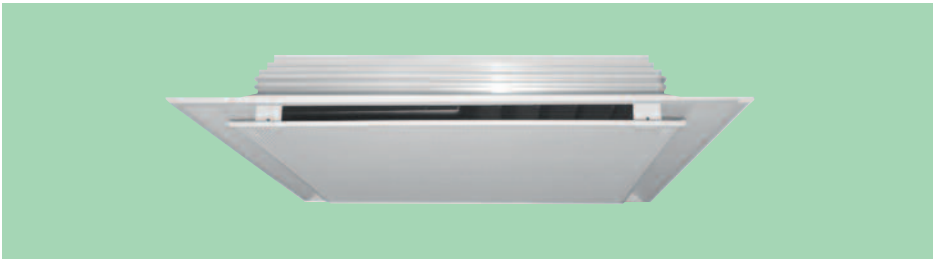


Model DPP4

Rear view showing air pattern vanes and cruciform.



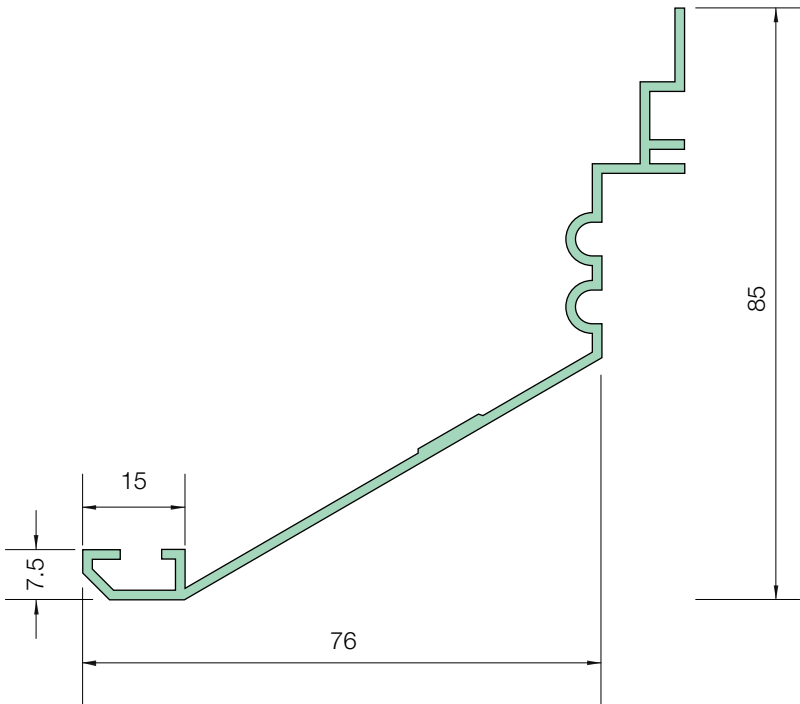
Position 1. Flush Plaque



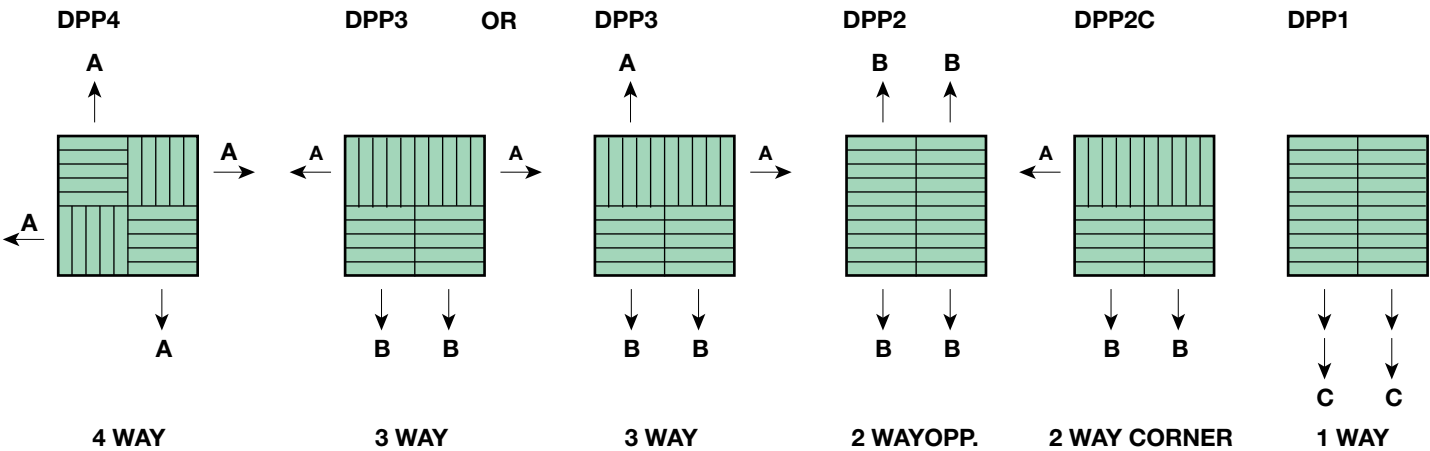
Position 2. Drop Plaque

Flange Styles

Bevel Edge 15BW



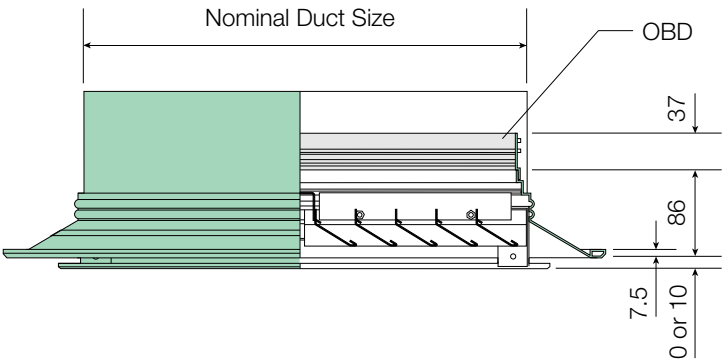
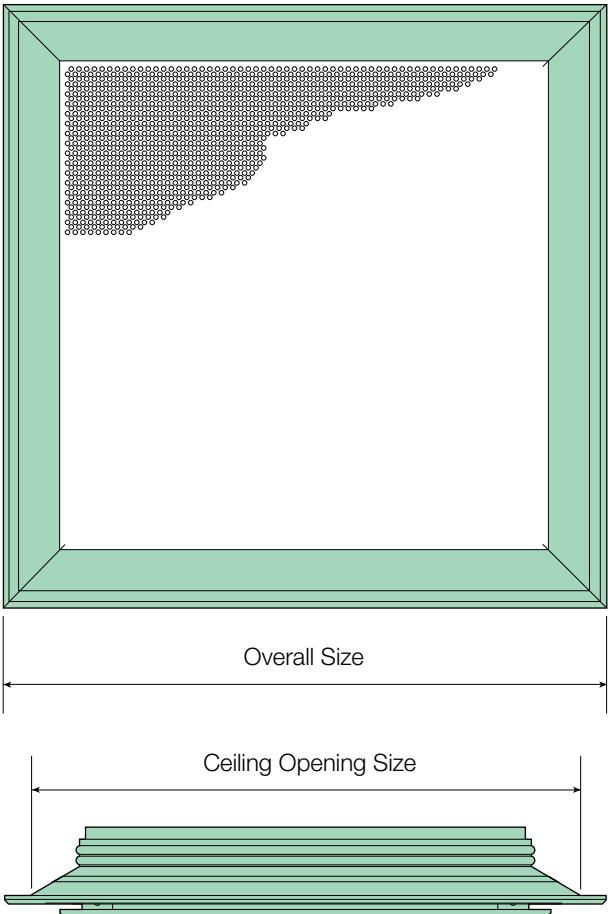
Standard Air Patterns



Size Range

Flange Style	Overall Size	Nominal Duct Size	Ceiling Opening Size
Bevel Edge 15mm	595 x 595mm	435 x 435mm	555 x 555mm
	598 x 598mm	438 x 438mm	558 x 558mm

Dimensions



# Models PD, DFP and DPP Selection Guide – Plenum Boxes

## Pressure Drop and Sound Ratings

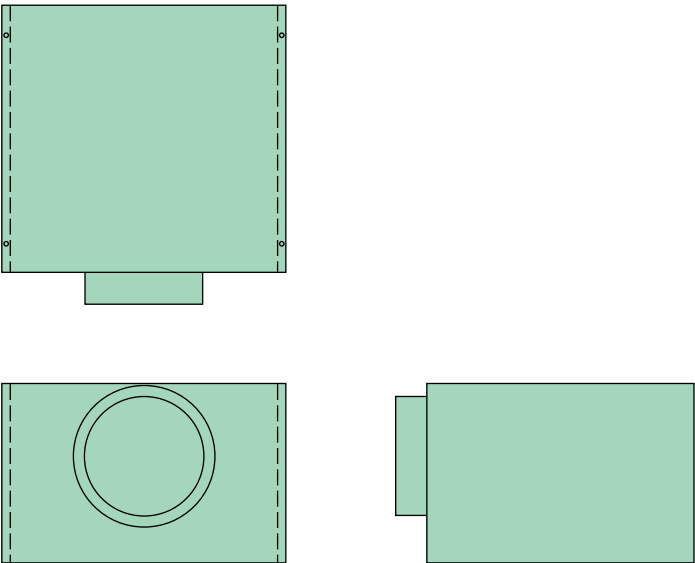
The pressure drop given is for supply diffuser with damper fully open. When the diffuser is installed with plenum box, the pressure loss of the box has to be added to the diffuser.

Spigot Velocity m/s	1.5	2.0	2.5	3.0	3.5	4.0
Pressure Drop Pa*	2	4	6	8	12	16
Sound Level NR*	-	-	25	30	35	40

\* The figures given are approximate - dependent upon spigot entry conditions.

## Plenum Box Spigot Volumes

Diameter (mm)	Spigot velocity m/s					
	1.5	2.0	2.5	3.0	3.5	4.0
100	10	15	19	22	26	30
125	18	24	30	35	41	47
150	25	34	42	51	60	68
175	35	46	58	70	82	94
200	45	60	75	91	109	121
225	58	77	96	117	137	151
250	71	95	120	142	170	191
275	86	115	145	172	205	230
300	103	139	172	208	240	275
325	120	160	200	240	280	320
350	140	188	235	280	328	375
400	185	245	310	370	430	495

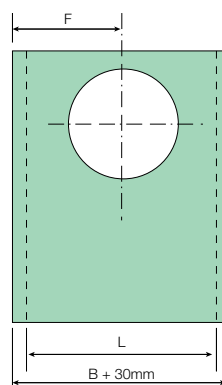
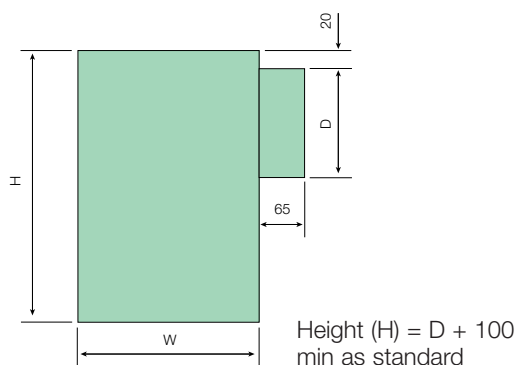


Typical arrangement for Model PBS - 1



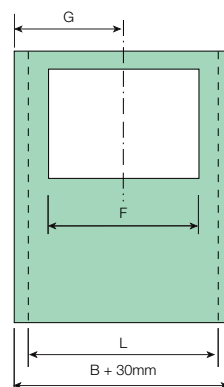
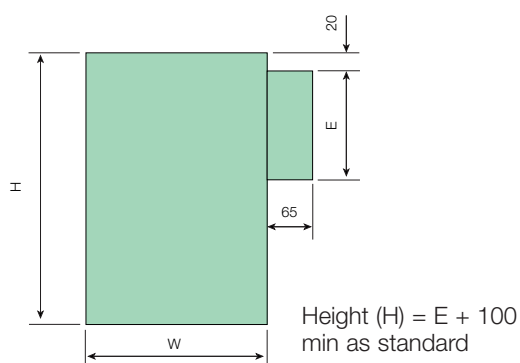
## Dimensions – Plenum Boxes

### Type PBS-1 Circular Spigot



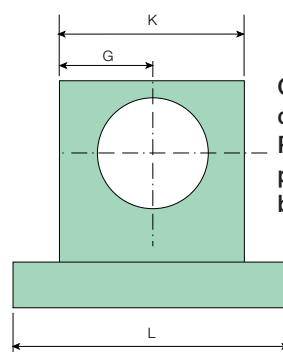
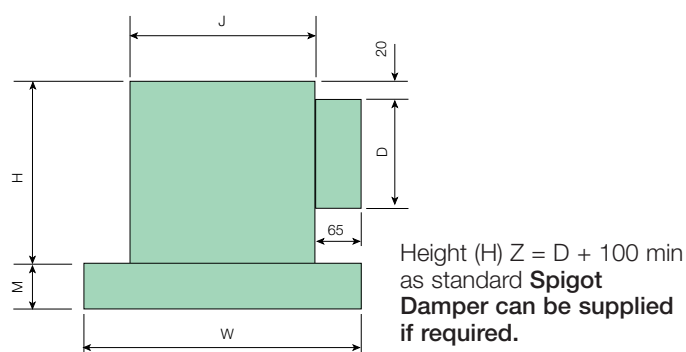
Spigot Damper can be supplied if required.  
Top entry box Type PBS-2

### Type PBS-1 Square/Rectangular Spigot



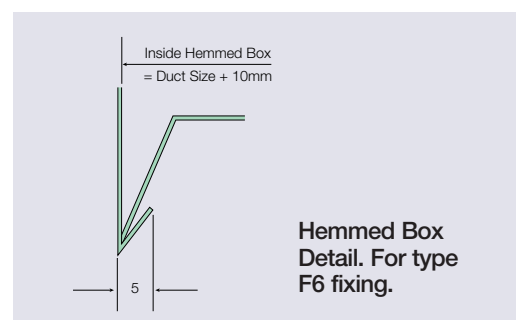
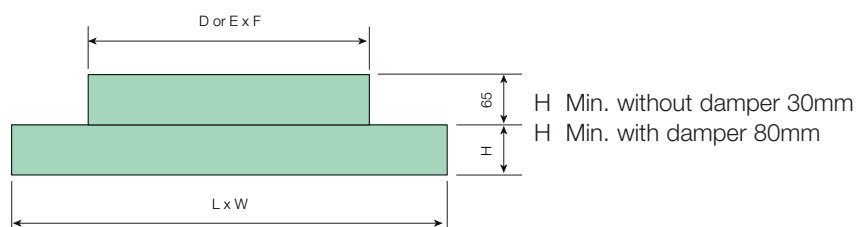
Spigot Damper can be supplied if required.  
Top entry box Type PBS-2

### Type PBS-3 Joggled Box – Circular Spigot



Opposed Blade Damper can be mounted in Plenum Box. Alternative position would be behind diffuser.

### Type PA-1 Pan Adaptor



## Ordering Information – Plenum Boxes

### Example

Model PBS-1	Internal Lining U	Spigot Damper N	Options 0
<p><b>PA-1</b> – Pan Adapter to suit square/rectangular diffuser with square/rectangular or circular top entry.</p> <p><b>PBS-1</b> – Plenum box to suit square/rectangular diffuser with circular or square/rectangular side entry spigot.</p> <p><b>PBS-2</b> – Plenum box to suit square/rectangular diffuser with circular or square top entry spigot.</p> <p><b>PBS-3</b> – Plenum box to suit square/rectangular diffuser with circular side entry spigot.</p>	<p><b>U</b> – Standard Unlined Plenum Box</p> <p><b>L</b> – 12mm Class ‘O’ Internal Lining.</p>	<p><b>N</b> – Plain spigot no damper</p> <p><b>Q</b> – Quadrant damper fitted to spigot.</p> <p><b>T</b> – Teleflex damper fitted to spigot.</p> <p><b>C</b> – Cord operated damper fitted to spigot.</p>	<p><b>0</b> – No options</p> <p><b>1</b> – Internal faces painted black.</p> <p><b>2</b> – Equalising grid 50% free area perforated mesh.</p> <p><b>3</b> – Fixing lugs fitted to side of plenum.</p> <p><b>4</b> – Profile ends on each end of plenum.</p> <p><b>5</b> – Hemmed edge for secret strap fixing.</p> <p><b>6</b> – Spigot length (65mm as standard).</p> <p>Other lengths available on request.</p>

### Dimensions PBS - 1 and PBS - 2 Example

Neck Size	Plenum Height	Circular Spigot Diameter	OR	Sq. / Rect.Spigot Width x Height	Centre Line of Spigot
L x W	H	D		E x F	G
450 x 450	350	1 x 250		0	0

### Dimensions PA - 1 and PBS - 3 Example

Neck Size	Plenum Height	Circular Spigot Diameter	OR	Sq. / Rect.Spigot Width x Height	Centre Line of Spigot	Joggled Section	Adaptor Height
L x W	H	D		E x F	G	J x K	M
450 x 450	75	0		200 x 150	0	350 x 350	250

**Important Note:** All orders must be addressed to AIR DIFFUSION, Ruskin Air Management Limited.

## Ordering Information – Diffusers

### Example

Flange Style 25W	Model PD4	Damper R	Fixing F0	Finish 83	Size 595 x 595
<p><b>Flange Style</b> <b>25W</b> – 25mm wide flat flange.</p> <p><b>27BW</b> – 27mm wide bevel edge flange to suit “Spring Tee” style ceiling grid.</p> <p><b>16TW</b> – 16mm deep stepped flange to suit “Tegular” style ceiling grid.</p> <p><b>8TW</b> – 8 mm deep stepped flange to suit “Tegular” style ceiling grid.</p> <p><b>76W</b> – 76mm wide anti smudge flange (Standard Model DFP). To suit “Lay in” or “Spring tee” ceiling grid.</p>	<p><b>Model Type</b> <b>PD4</b> – Square Perforated Diffuser with 4 way air pattern.</p> <p><b>PD3</b> – Square Perforated Diffuser with 3 way air pattern.</p> <p><b>PD2</b> – Square Perforated Diffuser with 2 way Opposite air pattern.</p> <p><b>PD2C</b> – Square Perforated Diffuser with 2 way Corner air pattern.</p> <p><b>PD1</b> – Square Perforated Diffuser with 1 way air pattern.</p> <p><b>PDE</b> – Square Perforated Diffuser for Extract ( No deflection plates).</p> <p><b>DFP4</b> – Square Perforated Diffuser having fixed position dropped face with 4 way air pattern.</p> <p><b>DFP3</b> – Square Perforated Diffuser having fixed position dropped face with 3 way air pattern.</p> <p><b>DFP2</b> – Square Perforated Diffuser having fixed position dropped face with 2 way Opposite air pattern.</p> <p><b>DFP2C</b> – Square Perforated Diffuser having fixed position dropped face with 2 way Corner air pattern.</p> <p><b>DFP1</b> – Square Perforated Diffuser having fixed position dropped face with 1way air pattern.</p> <p><b>DFPE</b> – Square Perforated Diffuser having fixed position dropped face for Extract (No deflection vanes).</p> <p><b>DPP4</b> – Square Perforated Diffuser having 2 position dropped plaque with 4 way air pattern.</p> <p><b>DPP3</b> – Square Perforated Diffuser having 2 position dropped plaque with 3 way air pattern.</p> <p><b>DPP2</b> – Square Perforated Diffuser having 2 position dropped plaque with 2 way Opposite air pattern.</p> <p><b>DPP2C</b> – Square Perforated Diffuser having 2 position dropped plaque with 2 way Corner air pattern.</p> <p><b>DPP1</b> – Square Perforated Diffuser having 2 position dropped plaque with 1way air pattern.</p> <p><b>DPPE</b> – Square Perforated Diffuser having 2 position dropped plaque for Extract (No deflection vanes)</p>		<p><b>F0</b> – No fixing</p> <p><b>F1</b> – Countersunk screw holes in flange (on 25W or 27BW only).</p> <p><b>F4</b> – Secret Strap (mating strap in duct opening by others).</p> <p><b>F6</b> – Secret Strap with “U” bracket.</p> <p><b>F8</b> – Spring Tee Models DFP, DPP, PD (25mm or 27mm) flanges only, details of ceiling type required.</p> <p><b>F7</b> – Twist in Bracket TSC2 (Model PD only).</p>	<p><b>Model PD</b> 25mm Lay In Flat Flange</p> <p>8 or 16mm Tegular</p> <p>27mm Bevel Edge</p> <p><b>Model DFP</b> 76mm Anti Smudge Flange</p> <p><b>Model DPP</b> 15mm Bevel Edge</p> <p><b>Other sizes also available, please contact Sales Office for details.</b></p>	<p><b>Overall Size</b></p> <p>295 x 295mm 298 x 298mm 495 x 495mm 498 x 498mm 595 x 595mm 598 x 598mm</p> <p>493 x 493mm 593 x 593mm</p> <p>598 x 598mm</p> <p>595 x 595mm 598 x 598mm</p> <p>595 x 595mm 598 x 598mm</p>
<p><b>15BW</b> – 15mm wide bevel edge flange to suit “Lay in” or “Spring Tee” style ceiling grid. (Standard Model DPP)</p>		<p><b>G</b> – Diffuser only.</p> <p><b>R</b> – Diffuser with OBD fitted.</p>	<p><b>0</b> – Mill Finish Extruded Aluminium</p> <p><b>82</b> – Silver Polyester Powder Coat to RAL9006.</p> <p><b>83</b> – White Polyester Powder Coat to RAL9010 (20% Gloss).</p> <p><b>4</b> – Black Eggshell Stove Enamel Finish.</p> <p><b>6</b> – Special Finish (Details required separately).</p>		

**Important Note:** If the overall size is critical then it must be clearly stated on the order. All orders must be addressed to AIR DIFFUSION, Ruskin Air Management Limited.

## Product Range

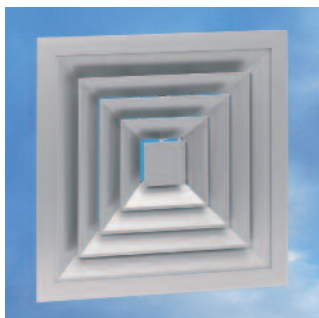
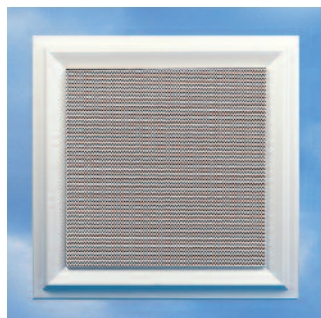
### Swirl, Displacement and High Induction Diffusers



### Circular Diffusers and Air Valves



### Perforated and Louvre Face Ceiling Diffusers



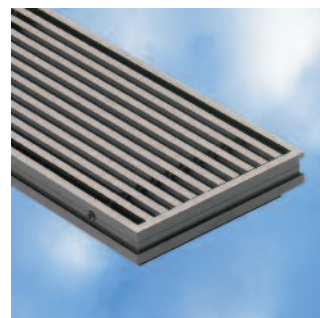
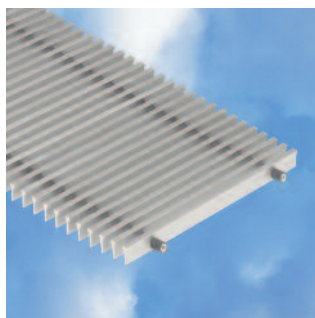
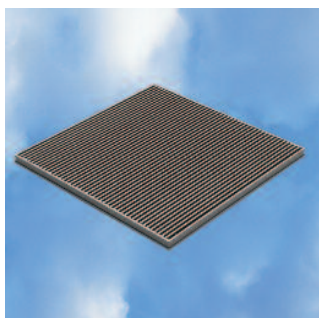
### Slot and Fixed Blade Diffusers



### Cylinder and Jet Nozzle Diffusers



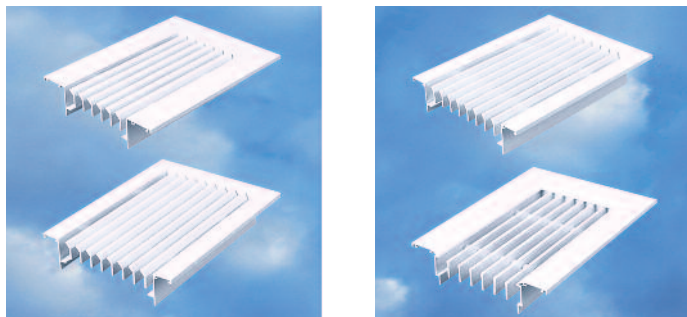
### Floor Grilles





## Product Range

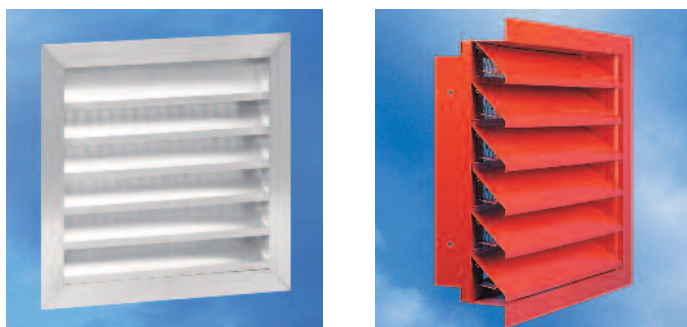
### Linear Grilles



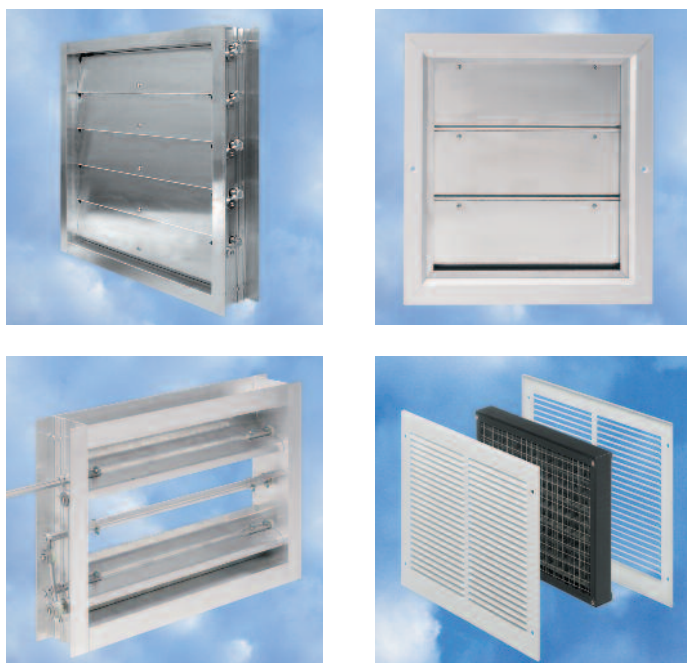
### Grilles



### External Louvres



### Miscellaneous



- Swirl, Displacement and High Induction Diffusers
- Perforated and Louvre Face Ceiling Diffusers
- Slot and Fixed Blade Linear Diffusers
- Cylinder and Jet Nozzle Diffusers
- Circular Diffusers and Air Valves
- Floor Grilles
- Linear Bar Grilles
- Grilles
- External Louvres
- Miscellaneous

**Ruskin Air Management Limited**  
**a BS EN ISO 9000 registered company**

The statements made in this brochure or by our representatives in consequence of any enquiries arising out of this document are given for information purposes only. They are not intended to have any legal effect and the company is not to be regarded as bound thereby. The company will only accept obligations which are expressly negotiated for and agreed and incorporated into a written agreement made with its customers.

Due to a policy of continuous product development the specification and details contained herein are subject to alteration without prior notice.

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### **Air Diffusion**

Grilles Diffusers Louvres Chilled Beams