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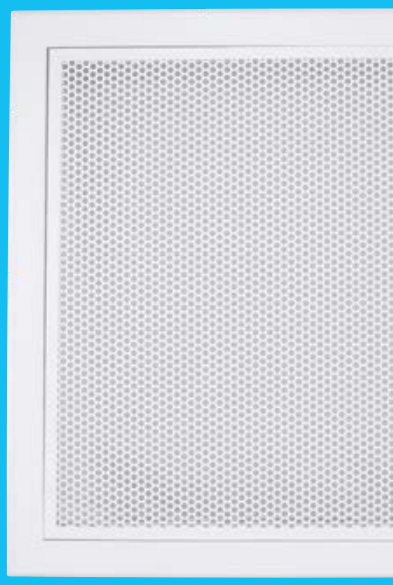

PATENS

Perforated grille

PGRC
PG

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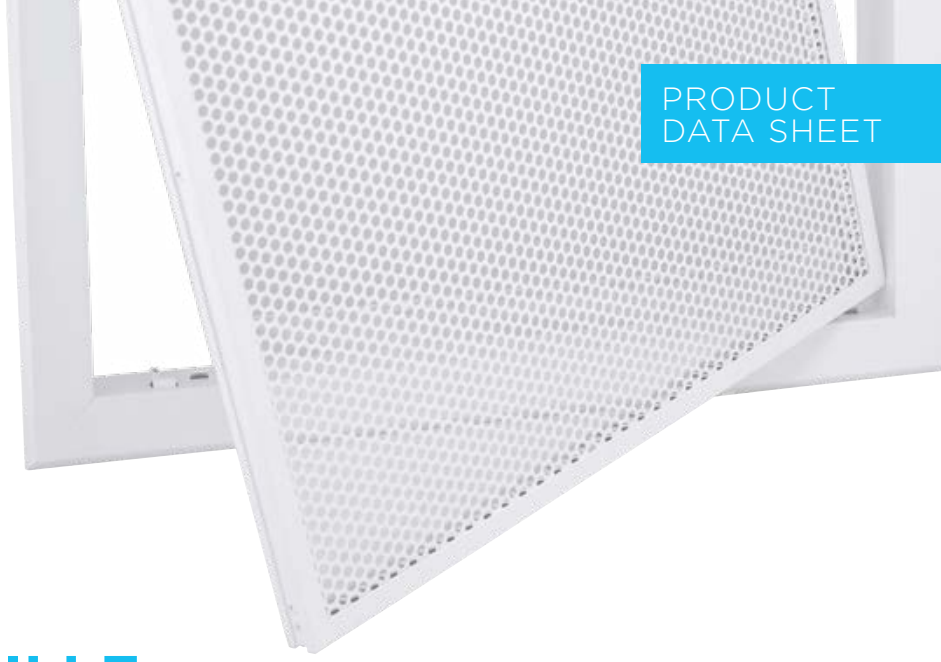
PRODUCT DATA SHEET



1 YR WARRANTY

PERFORATED GRILLE

Overview

The PG series perforated faced grilles are designed for flush mounted or suspended ceiling applications. The perforated plate is aluminium at approx. 50% free area. The perforated grille is also available in 3 or 4 way air distribution patterns as an option. There is also a removable core version. Standard finish is powder coated RAL 9016. Other colours available upon request.

PGRC
Perforated grille, removable core.

PG
Perforated grille, fixed core.

Front view

Rear view

Side view

Front view (w/removable core)

Base perspective

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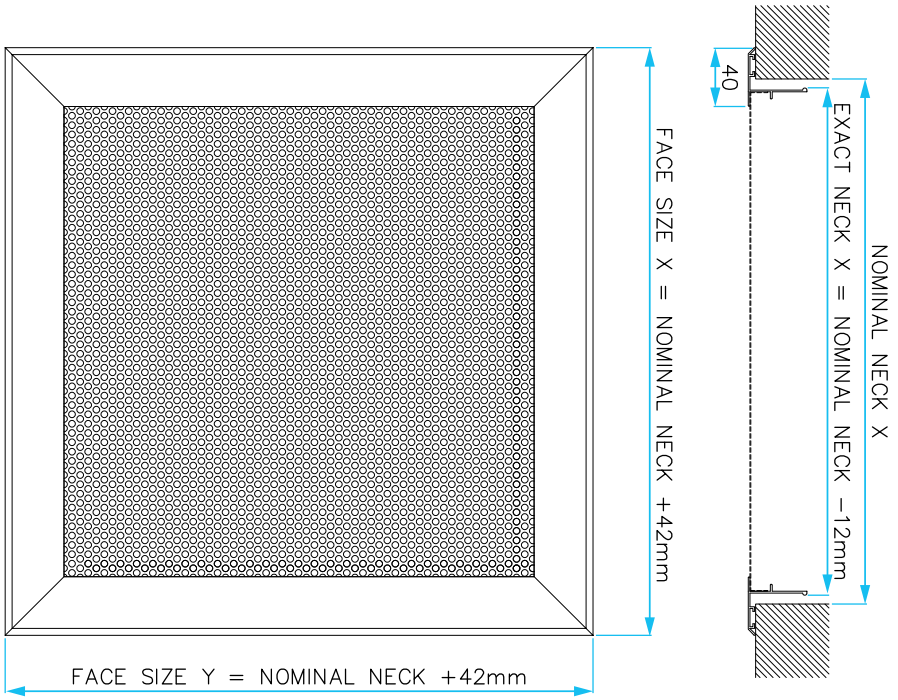
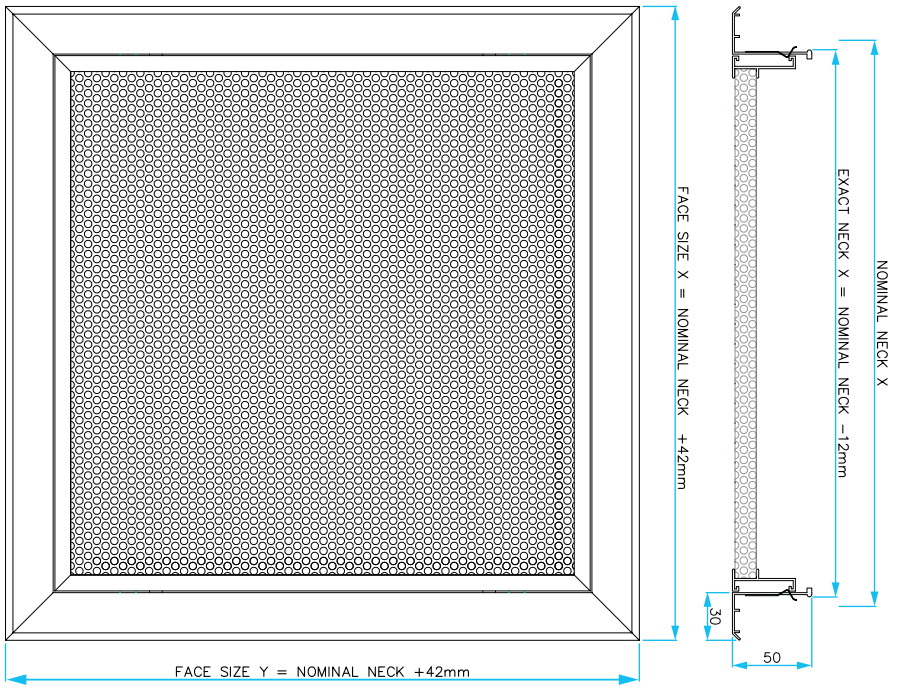


PG - PERFORATED FIXED CORE GRILLE



PGRC - PERFORATED REMOVABLE CORE GRILLE

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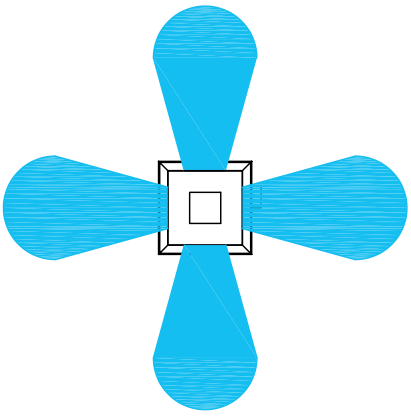
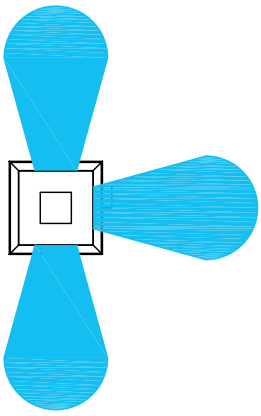
Options – 4 & 3 Way Blow

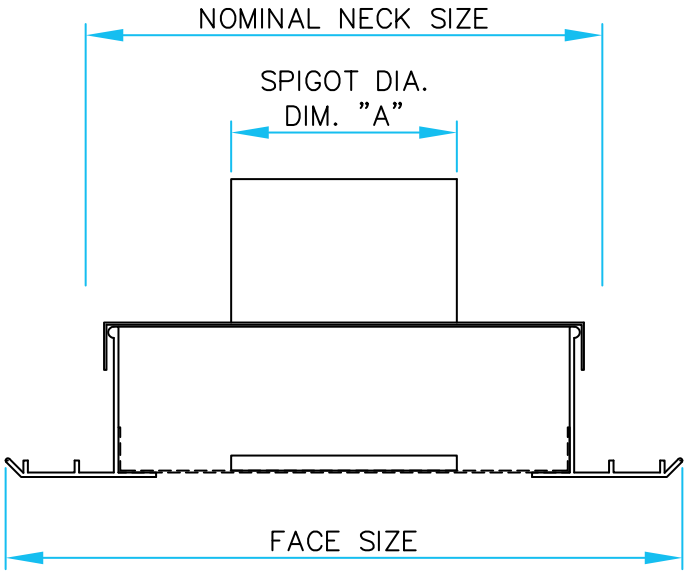
By adding a specific shaped deflection pad to the inside face of the perforated grille, a 4 or 3-way air flow can be created. This can only be achieved by using the appropriate spigot size as per below examples.



PERFORATED DIFFUSER
4 WAY BLOW DRAWN



PERFORATED DIFFUSER
3 WAY BLOW DRAWN



PERFORATED DIFFUSER
4 WAY BLOW DRAWN

3 & 4 Way Spigot Sizes

Product Code	Nominal Size	Spigot Ø
PG3003003W or 4W	300 x 300	150
PG4004003W or 4W	400 x 400	200
PG4504503W or 4W	450 x 450	250
PG6006003W or 4W	600 x 600	250 or 300

Dimensions in millimetres

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Model PG - Perforated Diffuser
4 Way Pattern

Size (Nom.)									
X Dim.	Y Dim.	Spigot Size Ø	Pressure Drop (Pa)	5	10	20	30	40	50
300	300	150	Flow Rate (l/s)	33	48	67	82	95	107
			Throw (m)		0.7 to 1.5	1.5 to 2.6	1.7 to 3.4	2.0 to 4.0	2.3 to 4.6
			Noise NR	<20	<20	25	30	35	38
400	400	200	Flow Rate (l/s)	65	93	135	162	184	203
			Throw (m)	0.9 to 1.8	1.5 to 3.0	2.2 to 4.4	2.7 to 5.4	3.1 to 6.2	3.5 to 7.0
			Noise NR	<20	23	34	40	45	
600	600	250	Flow Rate (l/s)	105	148	210	260	300	
			Throw (m)	1.2 to 2.4	1.9 to 3.8	2.7 to 5.4	3.2 to 6.4	3.8 to 7.2	
			Noise NR	<20	25	35	41	46	
600	600	300	Flow Rate (l/s)	150	203	293	358	405	
			Throw (m)	1.5 to 3.0	2.2 to 4.4	3.0 to 6.0	3.7 to 5.4	4.2 to 8.4	
			Noise NR	<20	26	36	42	47	

Throw terminal velocities 0.60m/sec & 0.30m/sec.
This data to be used for quick selection only, not to be used for commissioning.

Model PG - Exhaust Data

Size (Nom.)								
X Dim.	Y Dim.	Pressure Drop (Pa)	5	10	20	30	40	50
300	300	Flow Rate (l/s)	95	130	192	232	255	252
		Noise NR	<20	<20	25	31	34	37
400	400	Flow Rate (l/s)	195	265	380	475	525	545
		Noise NR	<20	<20	28	34	37	40
600	600	Flow Rate (l/s)	455	635	900	1050	1130	
		Noise NR	<20	28	33	38	42	

Throw terminal velocities 0.60m/sec & 0.30m/sec.
This data to be used for quick selection only, not to be used for commissioning.

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PERFORATED GRILLE

Order Details

Example - To order a Removable core perforated grille, nominal size of 450 x 450 and a 4 way blow, standard RAL9016 colour.

CODE = PGRC-450-450-4W

Note: Contact your sales branch or sales representative if your desired product cannot be ordered by using the above ordering criteria.

PG___-_____-_____ -_____-_____

FINISH
NIL= Standard white RAL9016

AIR PATTERN
NIL = No pattern
4W = 4 Way Blow
3W = 3 Way Blow

PG WIDTH – NOMINAL
Y NOMINAL DIMENSION
Stated in millimetres

PG LENGTH - NOMINAL
X NOMINAL DIMENSION
Stated in millimetres

MODEL
PG = Perforated Grille – Fixed Core
PGRC = Perforated Grille – Removable Core
PGLRC = Perforated Grille – Lock & Removable Core

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