

# AIRFOIL

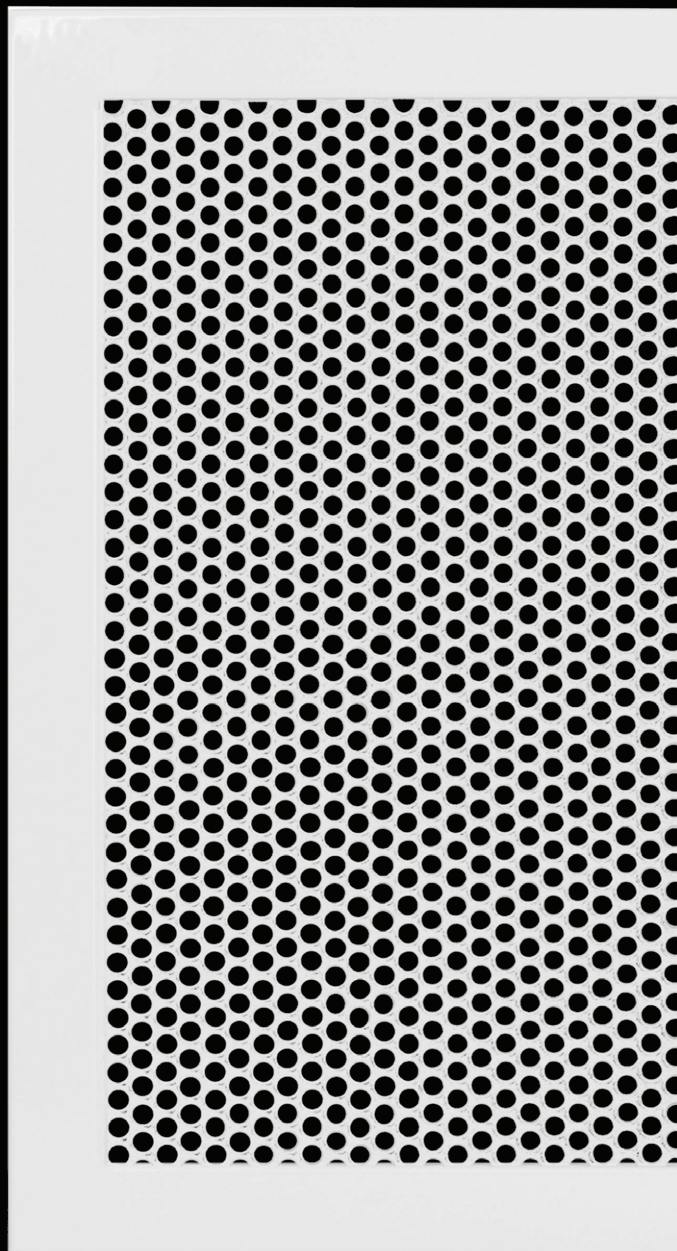


GRILLES  
DUCT  
FITTINGS

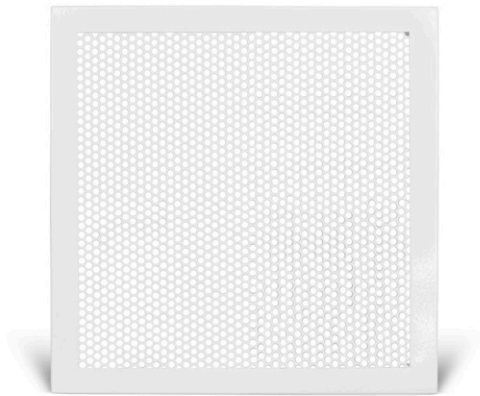
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 SAI GLOBAL



**PERFORATED  
RETURN AIR GRILLE  
PG-RA**



## PERFORATED RETURN AIR GRILLE PG-RA

### PRODUCT DESCRIPTION AND APPLICATION

Airfoil's Australian Made Perforated Return Air Grille (PG-RA) stands out for its superior quality and efficiency. Crafted from the finest extruded aluminium, this grille boasts a free area of approximately 50% and features a fixed perforated steel face.

Designed for return or exhaust air applications in heating or cooling systems, the PG-RA excels in delivering optimal performance. Its unique perforated core is securely housed within a 34mm outer frame, while maintaining a slimline depth of 25mm.

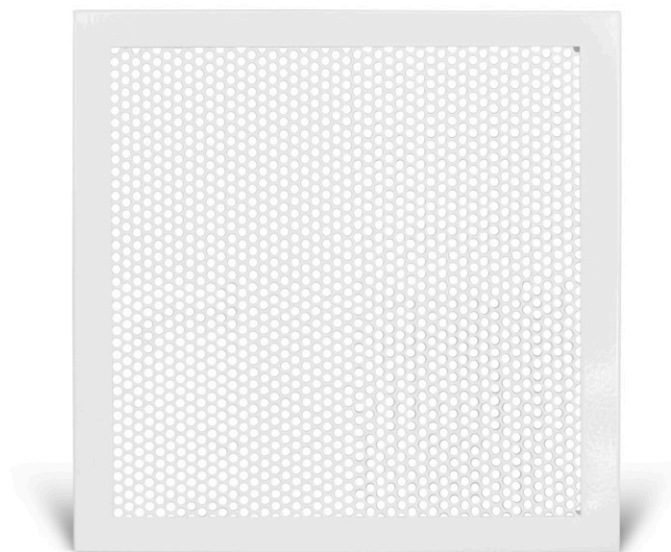
Featuring 4.7mm diameter perforated holes set at a 6.3mm pitch, the PG-RA ensures effective airflow for return or exhaust applications.

Manufactured to accommodate any dimensions, the PG-RA is offered in our standard white powder-coated finish or a sleek Natural Anodised silver finish. Additionally, the Perforated Grille can be custom powder-coated to match any specific colour upon request. This versatile product is ideal for commercial applications in any building where the consistent transfer of return or exhaust air is essential for optimal performance.

## PERFORATED RETURN AIR GRILLE PG-RA

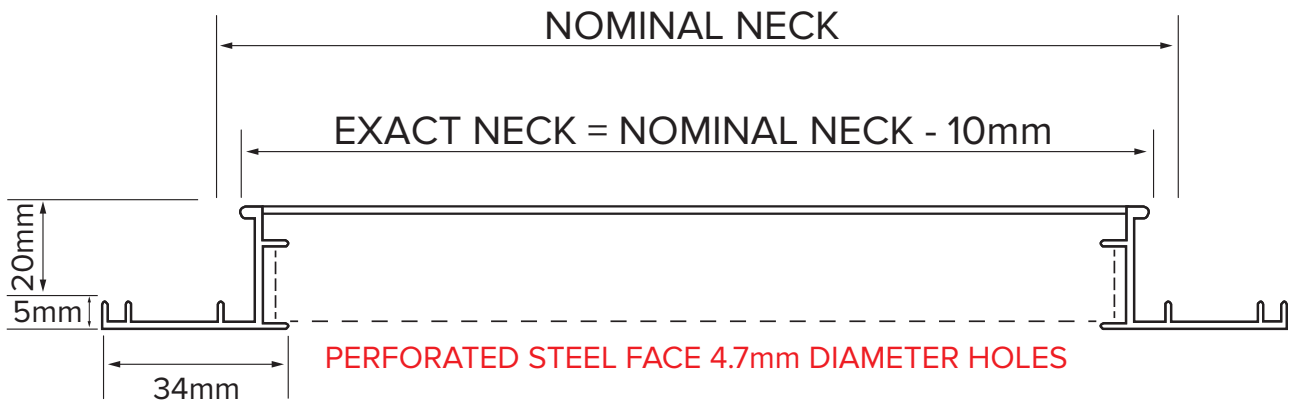
### PRODUCT SPECIFICATIONS AND INFORMATION

- **Product ordering code – PG-RA**
- Australian Made
- Aluminium and Steel Construction
- 34mm frame
- 25mm overall deep frame
- 50% free area
- Offers a fixed steel perforated face
- 4.7mm diameter perforated holes pitched at 6.3mm centers
- Manufactured to any size
- Comes standard in our white powder-coated finish or Natural Anodised silver finish
- Special powder-coating colours available upon request
- Effective for use in return or exhaust air applications
- Suitable for any commercial application
- Airfoil tested information available
- **The following metric performance data has been derived from exhaustive testing in elaborate laboratories of acoustic and vibrational engineers Louis A. Challis and Associates Proprietary Limited. Darling Street, Sydney 2000**



## PERFORATED RETURN AIR GRILLE PG-RA

### CROSS SECTIONAL DIAGRAM



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## PERFORATED RETURN AIR GRILLE PG-RA

### PERFORMANCE DATA

#### RETURN AIR

	Neck Velocity m/s	1.5	2.0	2.5	3.0	3.5	4.0	4.5
Nominal Face	Neg. Stat Press. Pa	7.5	12.5	19.0	27.5	41.0	50.0	64.0
Neck/Face	Vel. Press Pa.	1.5	2.5	3.8	5.5	7.8	10	12.8
<b>244 x 244</b> <b>300 x 300</b>	Volume L/S NR	89 -	119 <22	149 25	179 31	208 36	238 40	268 43
<b>344 x 344</b> <b>400 x 400</b>	Volume L/S NR	178 -	237 <22	296 26	355 32	414 37	473 41	533 45
<b>444 x 444</b> <b>500 x 500</b>	Volume L/S NR	295 -	394 <22	493 27	595 33	690 38	789 42	887 46
<b>544 x 544</b> <b>600 x 600</b>	Volume L/S NR	444 -	592 <22	740 28	888 34	1036 39	1184 43	1332 47
<b>544 x 244</b> <b>600 x 300</b>	Volume L/S NR	199 -	266 <22	332 26	398 32	465 37	531 42	597 45
<b>1144 x 244</b> <b>1200 x 300</b>	Volume L/S NR	419 -	558 <22	698 28	837 34	977 39	1117 43	1256 47
<b>1144 x 544</b> <b>1200 x 600</b>	Volume L/S NR	933 <22	1245 23	1556 31	1867 37	2178 41	2489 46	2800 49