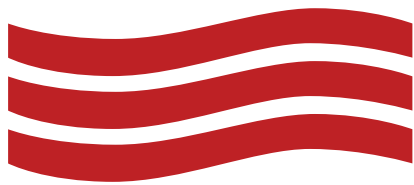


AIRFOIL

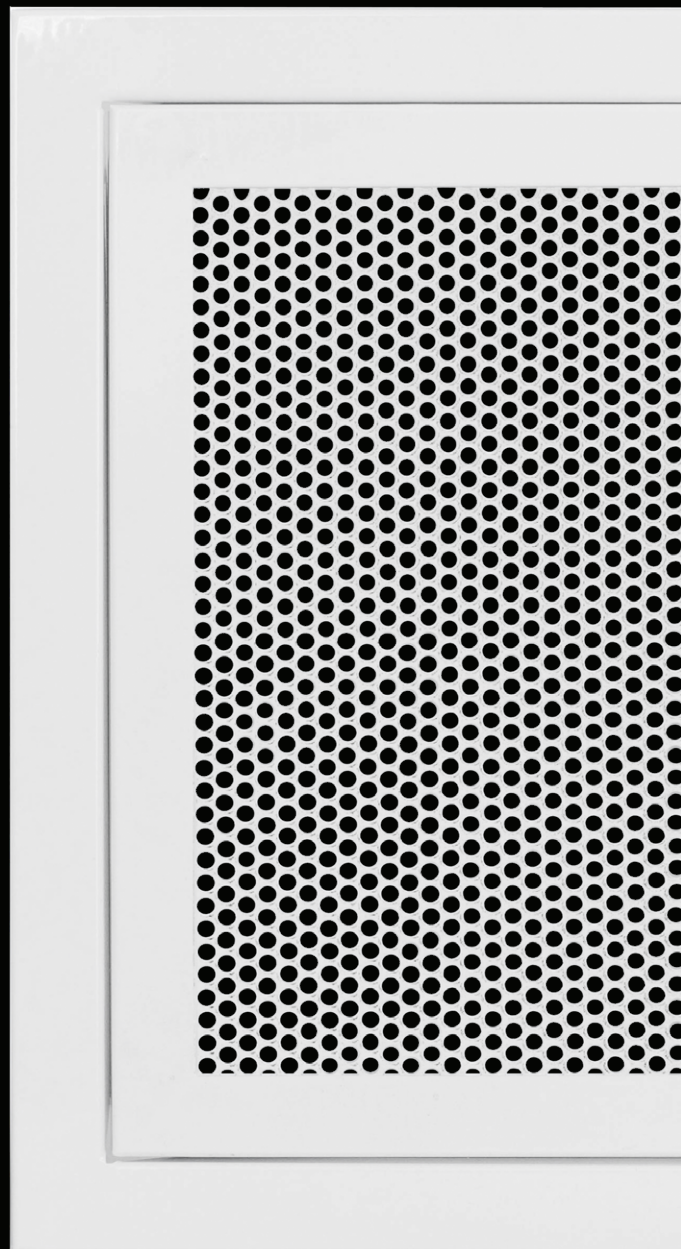


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**REMOVABLE CORE PERFORATED
RETURN AIR GRILLE
RC-PG-RA**



REMOVABLE CORE PERFORATED RETURN AIR GRILLE RC-PG-RA

PRODUCT DESCRIPTION AND APPLICATION

Airfoil's Australian Made Removable Core Perforated Return Air Grille (RC-PG-RA) is crafted from premium extruded aluminium, ensuring durability and longevity. With a free area of approximately 50%, this grille offers exceptional performance in return or exhaust air applications.

Featuring a unique steel perforated removable core securely fixed within its welded channel, the RC-PG-RA facilitates efficient airflow management. The inner removable core effortlessly clicks into its 50mm deep spring-aligned outer frame, allowing for straightforward installation and access. With an outer frame fascia of 25mm, this grille provides a sleek and modern appearance.

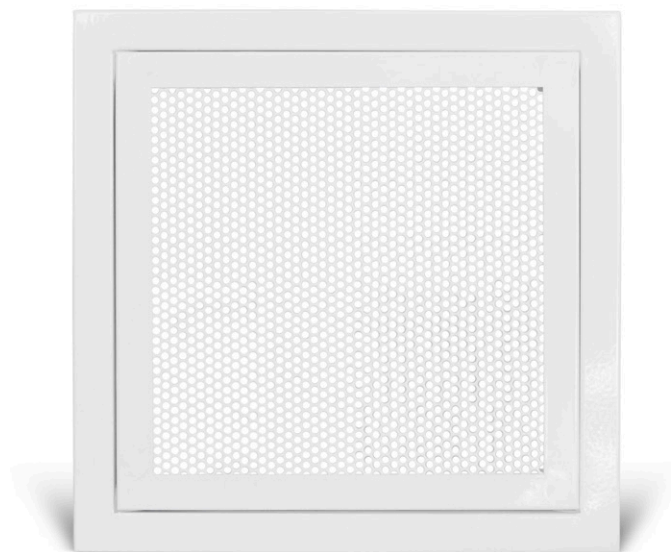
The RC-PG-RA is designed with 4.7mm diameter perforated holes set at a 6.3mm pitch, ensuring optimal airflow distribution. This versatile grille is suitable for a wide range of commercial applications where effective return or exhaust air management is essential.

Manufactured to accommodate any dimensions, the RC-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.

REMOVABLE CORE PERFORATED RETURN AIR GRILLE RC-PG-RA

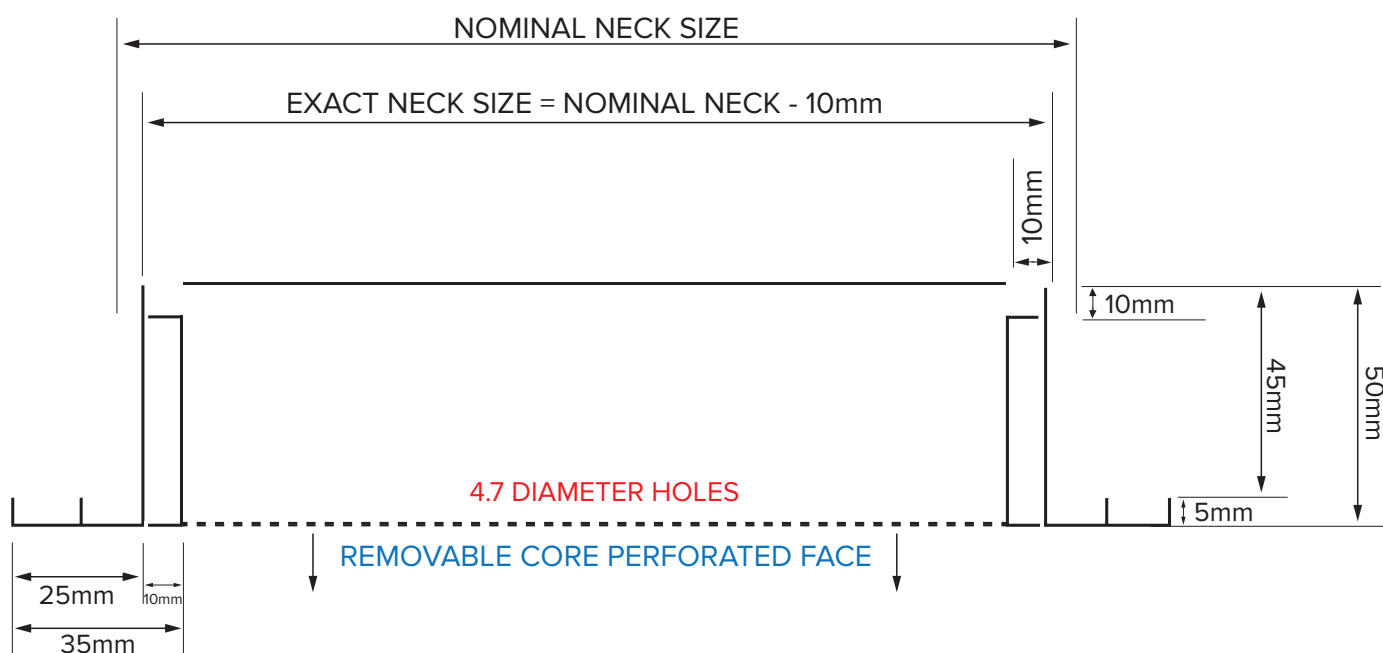
PRODUCT SPECIFICATIONS AND INFORMATION

- **Product ordering code – RC-PG-RA**
- Australian Made
- Aluminium and Steel Construction
- 25mm frame
- 50mm overall deep frame
- 50% free area
- Spring aligned aluminium frame
- Offers a removable core for easy installation and access
- 4.7mm diameter perforated holes pitched at 6.3mm centers
- Manufactured to any size
- Comes standard in our white powder-coated 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**



REMOVABLE CORE PERFORATED RETURN AIR GRILLE RC-PG-RA

CROSS SECTIONAL DIAGRAM



DISCLAIMER:

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REMOVABLE CORE PERFORATED RETURN AIR GRILLE RC-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
244 x 244 300 x 300	Volume L/S NR	89 -	119 <22	149 25	179 31	208 36	238 40	268 43
344 x 344 400 x 400	Volume L/S NR	178 -	237 <22	296 26	355 32	414 37	473 41	533 45
444 x 444 500 x 500	Volume L/S NR	295 -	394 <22	493 27	595 33	690 38	789 42	887 46
544 x 544 600 x 600	Volume L/S NR	444 -	592 <22	740 28	888 34	1036 39	1184 43	1332 47
544 x 244 600 x 300	Volume L/S NR	199 -	266 <22	332 26	398 32	465 37	531 42	597 45
1144 x 244 1200 x 300	Volume L/S NR	419 -	558 <22	698 28	837 34	977 39	1117 43	1256 47
1144 x 544 1200 x 600	Volume L/S NR	933 <22	1245 23	1556 31	1867 37	2178 41	2489 46	2800 49