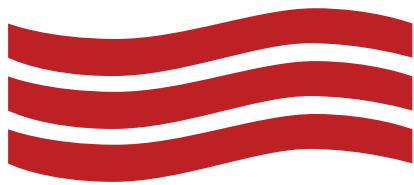


AIRFOIL

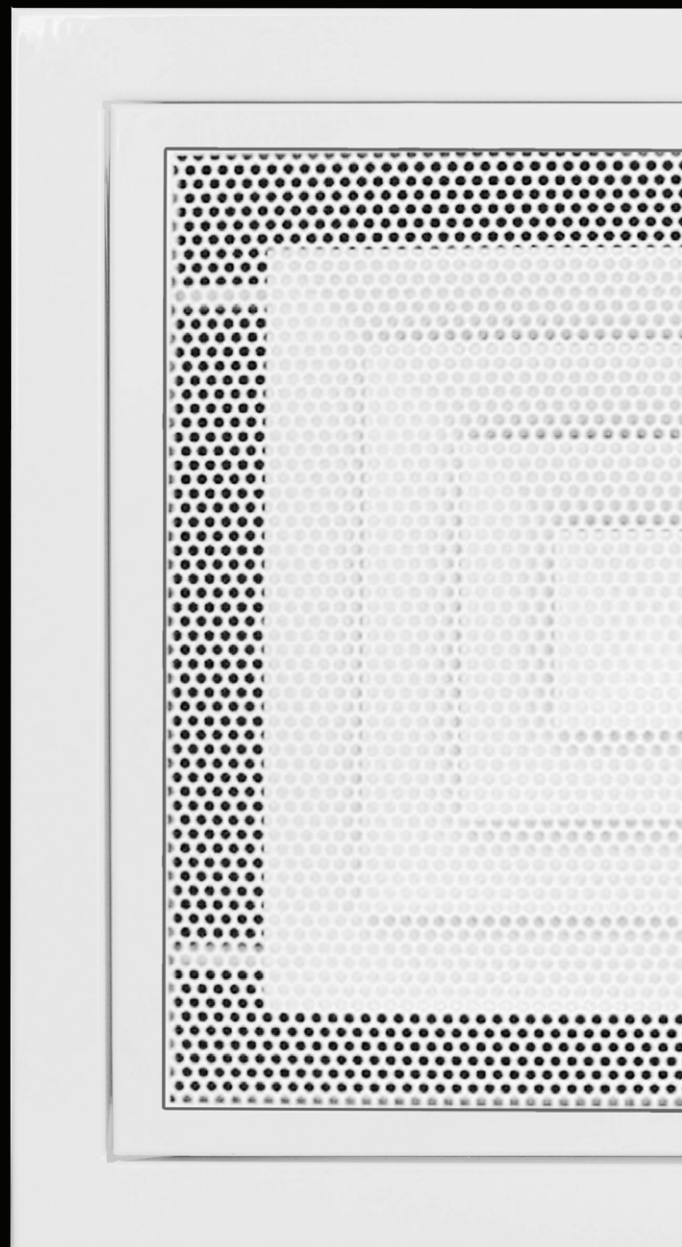


GRILLES
DUCT
FITTINGS

making it happen sooner...

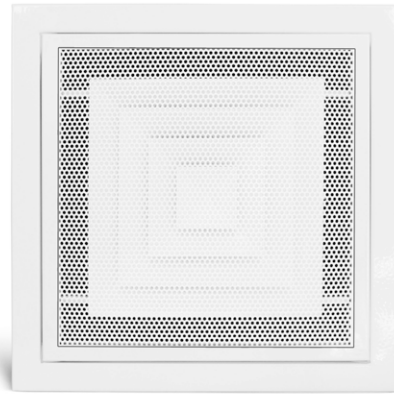


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 SAI GLOBAL



**REMOVABLE CORE PERFORATED
SUPPLY AIR GRILLE**

RC-PG-SA



REMOVABLE CORE PERFORATED SUPPLY AIR GRILLE RC-PG-SA

PRODUCT DESCRIPTION AND APPLICATION

Airfoil's Australian Made Removable Core Perforated Supply Air Grille (RC-PG-SA) is meticulously crafted from high-quality extruded aluminium, ensuring durability and reliability. With a free area of approximately 50%, this grille offers efficient airflow distribution in supply air applications.

The RC-PG-SA is available in a range of core diffusing patterns, including 1 Way, 2 Way Opposite, 3 Way, and 4 Way, providing versatility to suit various airflow requirements. These patterns are welded to the grille's outer frame, enhancing strength and rigidity.

Featuring a unique steel perforated removable core securely fixed within its welded channel, the RC-PG-SA facilitates easy airflow management. The inner removable core effortlessly clicks into its 50mm deep spring-aligned outer frame, enabling simple installation and access.

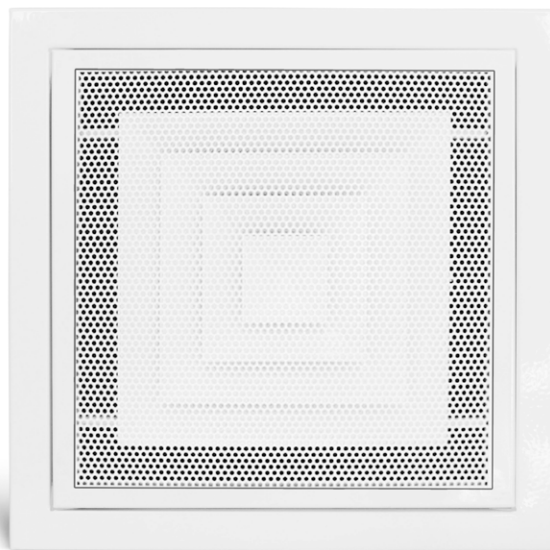
With an outer frame fascia of 25mm, this grille boasts a sleek and modern design. Ideal for heating or cooling applications, the RC-PG-SA is suitable for a wide range of commercial settings where effective supply air distribution is paramount.

Manufactured to accommodate any dimensions, the RC-PG-SA is offered in our standard white powder-coated finish or alternatively, the Perforated Grille can be custom powder-coated to match any specific colour upon request. The product is suitable for commercial use in any building allowing for functional air distribution to a designated target area.

REMOVABLE CORE PERFORATED SUPPLY AIR GRILLE RC-PG-SA

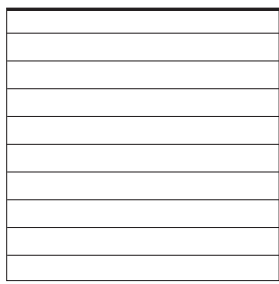
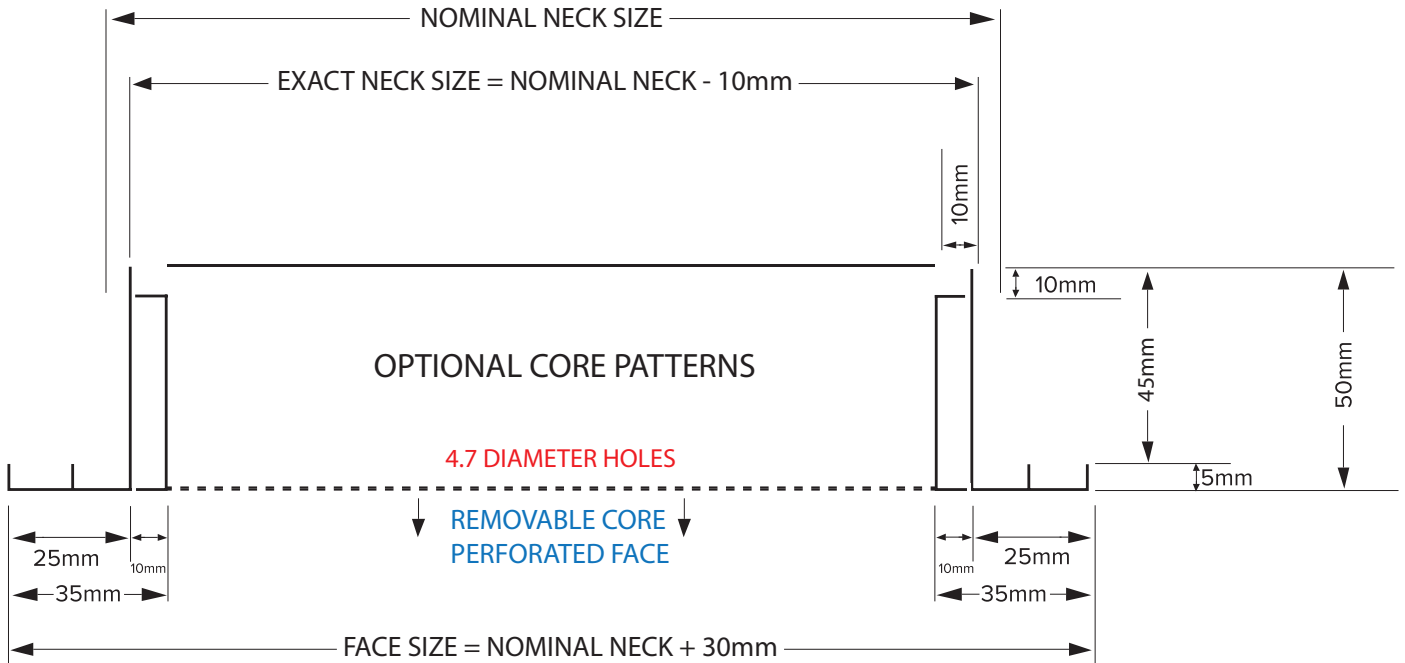
PRODUCT SPECIFICATIONS AND INFORMATION

- **Product ordering code – RC-PG-RA**
- Australian Made
- Aluminium and Steel Construction
- Effective for use in Supply Air applications
- Available in **four** core diffusing patterns
- 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 finish
- Special powder-coating colours available upon request
- 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**



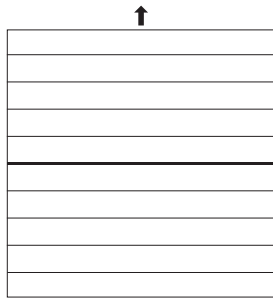
REMOVABLE CORE PERFORATED SUPPLY AIR GRILLE RC-PG-SA

CROSS SECTIONAL DIAGRAM



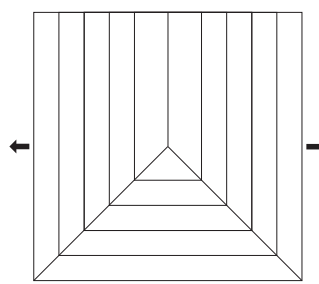
1 WAY

RC-PG-SA1



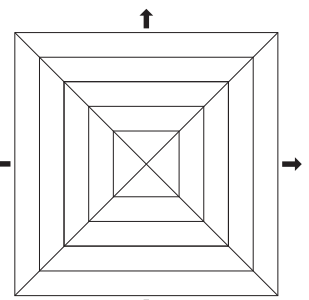
2 WAY

RC-PG-SA2



3 WAY

RC-PG-SA3



4 WAY

RC-PG-SA4



DISCLAIMER:

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REMOVABLE CORE PERFORATED SUPPLY AIR GRILLE RC-PG-SA

PERFORMANCE DATA

SUPPLY AIR

Nom Face		Neck Velocity m/s	1.5	2.0	2.5	3.0	3.5	4.0	5.0
Inlet/Face	Air Pattern	Vel. Press Pa	1.5	2.5	4.0	5.8	7.8	10.0	15.8
150 x 150 300 x 300	1 WAY CORE 2 WAY CORE 3 WAY CORE 4 WAY CORE	Total Press Pa	308	0.3	9.8	14.0	10.0	24.5	38.8
		Volume L/S	35	47	59	70	82	94	118
		NR	-	-	<22	25	29	33	39
		Throw Metres	1.9 - 1.8	0.9 - 2.4	1.2 - 3.0	1.5 - 3.9	1.8 - 4.2	2.1 - 4.8	2.4 - 6.0
		Throw Metres	1.6 - 1.5	0.9 - 2.1	0.9 - 2.4	1.2 - 3.0	1.5 - 3.9	1.5 - 4.0	2.1 - 4.8
200 x 200 400 x 400	1 WAY CORE 2 WAY CORE 3 WAY CORE 4 WAY CORE	Total Press Pa	4.3	7.0	11.0	415.8	21.3	28	44
		Volume L/S	63	84	103	125	146	167	209
		NR	-	<22	24	30	34	37	43
		Throw Metres	0.9 - 2.4	1.2 - 3.3	1.8 - 4.2	2.1 - 4.8	2.4 - 5.7	2.7 - 6.4	3.3 - 8.2
		Throw Metres	0.9 - 1.8	1.2 - 2.7	1.2 - 3.3	1.5 - 4.0	1.8 - 4.5	2.1 - 5.1	2.7 - 6.4
250 x 250 500 x 500	1 WAY CORE 2 WAY CORE 3 WAY CORE 4 WAY CORE	Total Press Pa	4.5	7.5	12	17.3	23.3	300	48
		Volume L/S	99	132	162	195	228	261	327
		NR	<22	22	28	33	37	41	46
		Throw Metres	1.2 - 3.0	1.8 - 4.2	2.1 - 5.1	2.4 - 6.0	3.0 - 7.3	3.3 - 8.2	4.2 - 10.3
		Throw Metres	0.9 - 2.4	1.2 - 3.3	1.5 - 4.0	2.1 - 4.8	2.4 - 5.7	2.7 - 6.4	3.3 - 8.2
300 x 300 600 x 600	1 WAY CORE 2 WAY CORE 3 WAY CORE 4 WAY CORE	Total Press Pa	4.8	8	13	19	25	32	50
		Volume L/S	141	188	235	283	330	377	50
		NR	<22	25	31	36	40	44	51 - 12.0
		Throw Metres	1.5 - 3.9	2.1 - 4.8	2.4 - 6.0	3.0 - 7.6	3.9 - 8.8	4.0 - 9.7	4.0 - 9.7
		Throw Metres	1.2 - 3.0	1.5 - 4.0	2.1 - 4.8	2.4 - 5.7	2.7 - 7.0	3.0 - 7.9	3.9 - 8.5
450 x 150 600 x 300	1 WAY CORE 2 WAY CORE 3 WAY CORE 4 WAY CORE	Total Press Pa	9	15	24	34	47	60	93
		Volume L/S	106	141	176	212	247	283	353
		NR	<22	26	32	37	41	45	51
		Throw Metres	2.4 - 5.7	3.3 - 7.9	4.0 - 10.0	4.8 - 11.8	5.7 - 14.0	6.4 - 15.5	7.9 - 18.9
		Throw Metres	1.5 - 4.0	2.1 - 5.4	2.7 - 6.7	3.3 - 8.2	4.0 - 9.7	4.5 - 10.6	5.7 - 13.4