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**POLY ROUND DIFFUSER
RND-150**



POLY ROUND DIFFUSER **RND-150**

PRODUCT DESCRIPTION AND APPLICATION

Airfoil's Plastic Round Diffuser (RND-150) offers an appealing ceiling-mounted solution, crafted from high-quality ABS Polymers to ensure lasting strength and rigidity. This premium ABS Polymer material is engineered to resist discolouration over time, maintaining its aesthetic appeal.

Featuring manual adjustment at the center, users can conveniently and accurately balance the desired airflow. Suitable for cooling, heating, and isothermal conditions, this supply air Plastic Round Diffuser is ideal for use in modular plaster ceiling systems. It comes complete with a snap-down fixing clip and dual clip arrangement for easy installation, and is available in four sizes to accommodate various needs.

While primarily intended for domestic supply and exhaust applications, the RND-150 can also be utilised in commercial spaces with ceiling heights of up to 2.7 meters. Finished in standard ceiling white with an etched surface, it is readily available in stock for immediate delivery.

POLY ROUND DIFFUSER RND-150

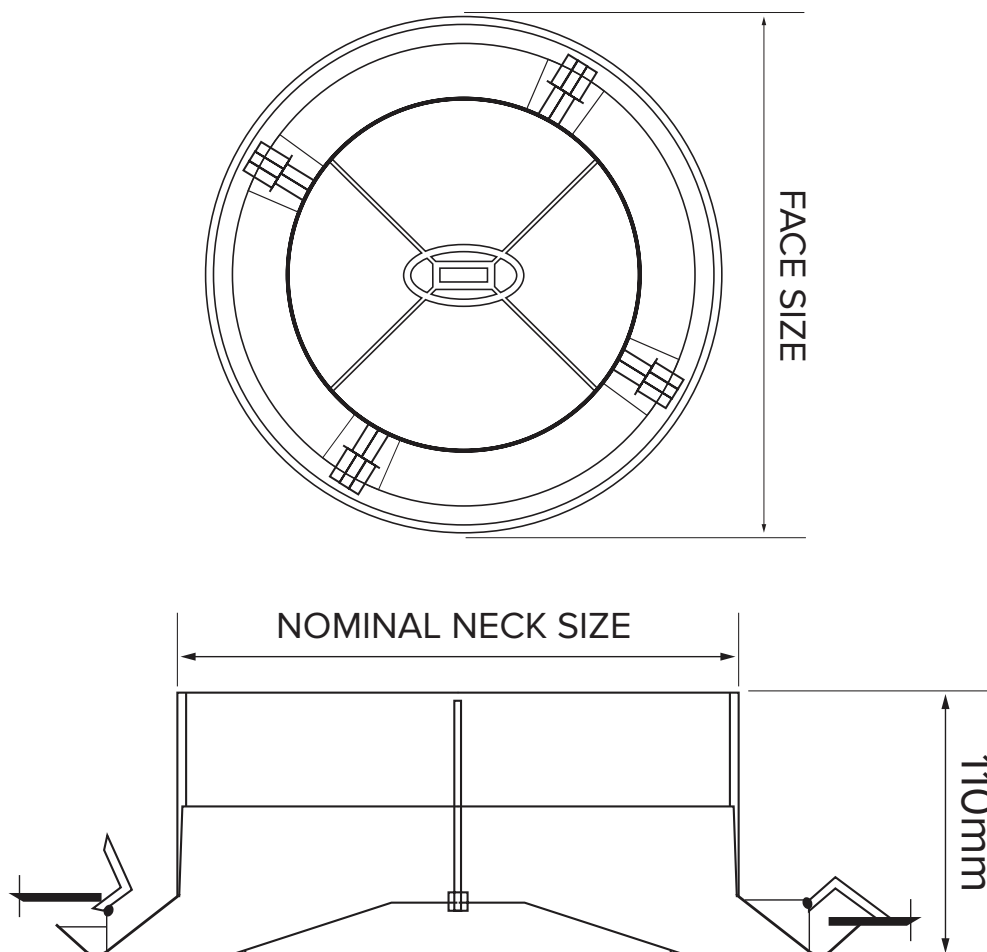
PRODUCT SPECIFICATIONS AND INFORMATION

- **Product ordering code – RND-150**
- Constructed from high quality ABS Polymers
- Depth size 110mm
- Face size 260mm
- Neck size 150mm
- Cut out size 230mm
- Comes with a snap down fixing clip and dual clip arrangement
- Used for supply air heating, cooling and isothermal conditions
- Ideal for plaster modular ceiling applications
- Center of the diffuser can be easily adjusted manually for desired airflow
- Available standard ceiling white
- In stock
- Product suitable for domestic supply and exhaust applications, however this diffuser can also be used in commercial spaces where ceiling heights reach 2.7 metres
- Airfoil tested information available



POLY ROUND DIFFUSER RND-150

CROSS SECTIONAL DIAGRAM



| PRODUCT CODE | FACE SIZE | NECK SIZE | CUT OUT SIZE |
|--------------|-----------|-----------|--------------|
| RND150 | 260 mm | 150 mm | 230 mm |
| RND200 | 320 mm | 200 mm | 290 mm |
| RND250 | 395 mm | 250 mm | 360 mm |
| RND300 | 440 mm | 300 mm | 400 mm |



DISCLAIMER:

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POLY ROUND DIFFUSER RND-150

PERFORMANCE DATA

| | | | FLOWRATE (l/s) | | | | | | | | | | | | |
|--------|--------------|---------|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | | 25 | 50 | 75 | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 275 | 300 | 350 |
| RND150 | Throw (m) | 0.50m/s | 1.1 | 1.5 | 2.2 | 2.5 | 2.7 | | | | | | | | |
| | NC | | - | 15 | 16 | 27 | 35 | | | | | | | | |
| | Pstatic (Pa) | | 7 | 23 | 50 | 84 | 133 | | | | | | | | |
| RND200 | Throw (m) | 0.50m/s | - | 1.4 | 1.8 | 2.1 | 2.4 | 2.8 | 3.0 | | | | | | |
| | NC | | - | - | 15 | 24 | 30 | 40 | 42 | | | | | | |
| | Pstatic (Pa) | | - | 9 | 20 | 36 | 54 | 76 | 103 | | | | | | |
| RND250 | Throw (m) | 0.50m/s | - | 1.1 | 1.7 | 1.6 | 2.1 | 2.6 | 2.8 | 3.1 | 3.3 | 3.5 | 3.7 | | |
| | NC | | - | - | - | - | - | 15 | 17 | 26 | 29 | 32 | 33 | | |
| | Pstatic (Pa) | | | 8 | 17 | 25 | 35 | 44 | 56 | 70 | 85 | 102 | 123 | | |
| RND300 | Throw (m) | 0.50m/s | - | .9 | 1.3 | 1.5 | 1.9 | 2.2 | 2.5 | 2.7 | 2.9 | 3.1 | 3.2 | 3.5 | 3.9 |
| | NC | | - | | | | | | | | 15 | 17 | 22 | 26 | 33 |
| | Pstatic (Pa) | | | 3 | 5 | 9 | 11 | 18 | 25 | 32 | 39 | 46 | 59 | 72 | 103 |