



Monodraught are the recognised market leaders in ultra-low carbon, low energy solutions for Natural Ventilation, Natural Cooling and Natural Lighting.

WINDCATCHER[®], **SUNPIPE**[®] and **COOL-PHASE**[®] brands are synonymous with quality and innovation (ISO9001 & 14001) and are supported by our market leading design service.

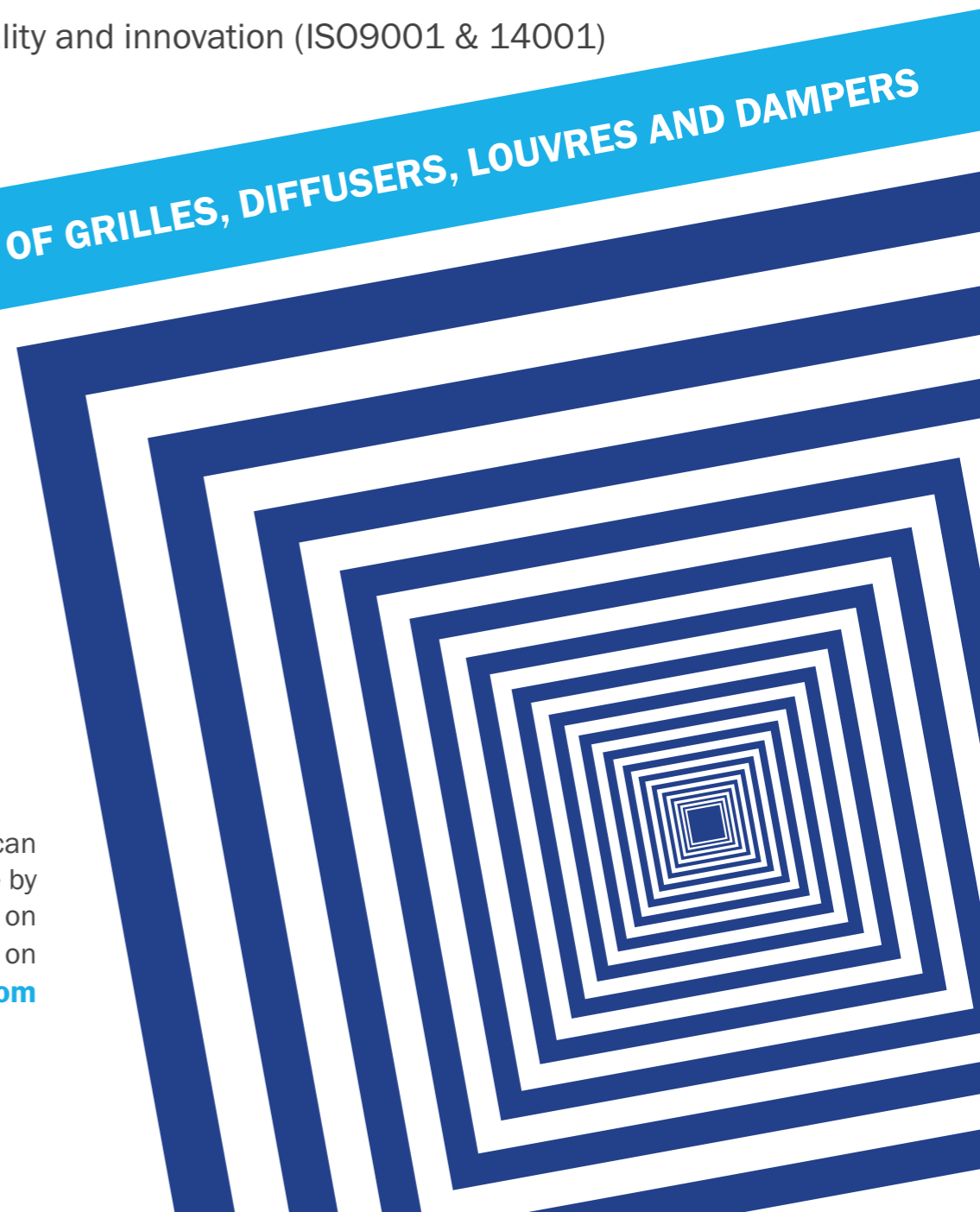
Air-Precision is an addition to Monodraught's portfolio including grilles, diffusers, external louvres and volume control dampers.

PRODUCT RANGE OF GRILLES, DIFFUSERS, LOUVRES AND DAMPERS

We are supporting this range with:

- £1 million of fast moving stock
- Bespoke manufacture with any standard RAL colour within 5 days
- 15 dedicated selection experts
- Designed with industry leading software
- Belimo actuators used throughout
- AA5 anodisation (ISO7599) utilised
- Market leading quality fully supported by a **10 year guarantee**

We are confident that we can beat any quotation you have by 10% so please contact us on **01494897700** or email us on **air-precision@monodraught.com**



Plenum Boxes - PB



Plenum boxes are one of the basic components of any ventilation system, providing the link between ductwork and terminal.

Constructed from galvanised steel as standard, we can also manufacture plenums in stainless steel or aluminium if required.

A comprehensive range of options is available to enhance functionality or aid fitting including:

- **Fire Rating:**
By increasing the material thickness to 1.2 mm and installing a 120 minute rated intumescent fire damper (not available with aluminium boxes).
- **Lining:**
For both thermal and acoustic performance, plenum boxes can be internally lined with 10 mm pyrosorb type foam insulation. This can help to reduce cross-talk between rooms, absorb noise from fans or other machinery, and also thermally line the box to help avoid any problems with condensation.
- **Drop Rod Fixings:**
Spot welded, pre-punched angle brackets to accept drop rods can be factory fitted, making installation quick and simple.

Materials:

- Standard: 0.8 mm or 1 mm galvanised steel (thickness used will be based on size of box)
- Optional: Aluminium and stainless steel (grades 430, 304 and 316 available)

Construction:

- CNC Press brake folded
- Any joints spot welded
- Spigot swaged and fully sealed

Fixings:

- Standard: None
- Optional: Drop rod brackets

Finish:

- Bare metal

Options:

Size (mm - width x height):

- Nominal size of grille/ diffuser/ louvre box is to be used with

Series:

- SEPB: Side entry plenum box
- TEPB: Top entry plenum box
- FR - SEPB: Side entry plenum box - Fire rated
- FR - TEPB: Top entry plenum box - Fire rated

Number of Spigots:

- 1: 1 Spigot
- 2C: 2 Spigots, adjacent sides (SEPB only)
- 2OP: 2 Spigots, opposite sides (SEPB only)

Spigot Size:

- Width x height (state required)
- Diameter (state required)

Volume Control Damper:

- Single blade damper mounted in the spigot/s

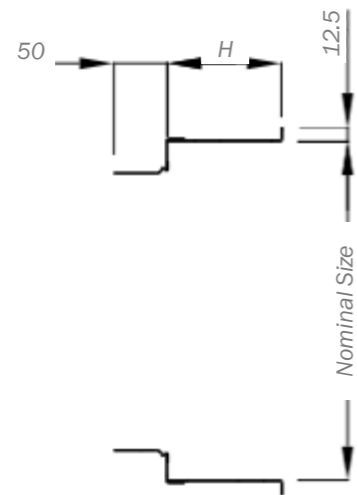
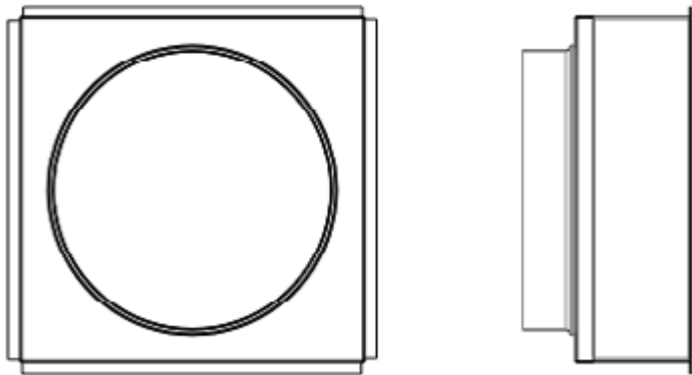
Insulation:

- Thermally and acoustically insulated

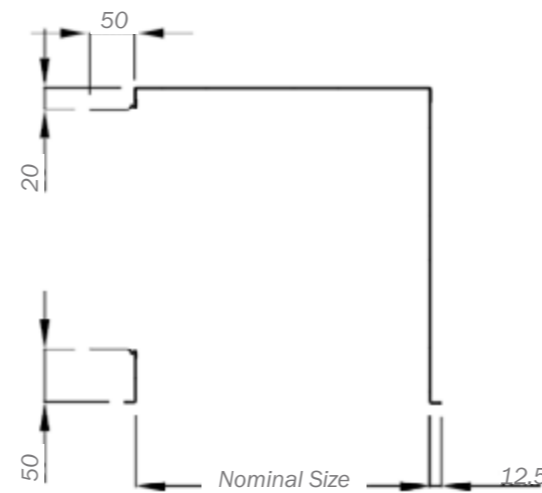
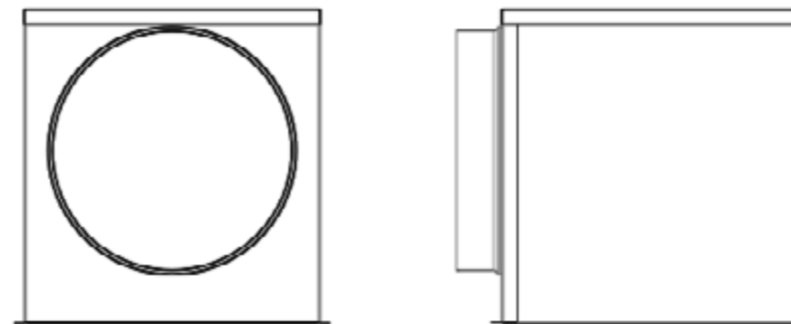
Plenum Boxes - PB

Technical Drawings:

- **TEPB - Top entry plenum box**



- **SEPB - Side entry plenum box**




12.5 mm Flanges shown are used on boxes to suit all terminals series' except CD and PPD.


TEPB: Dimension H is 100 mm as standard, 200 mm or 300 mm height are optional.


- **Fire rated plenum box**


With the addition of a 120 minute rated intumescent fire damper and the use of 1.2 mm galvanised or stainless steel, fire rated variants of both top and side entry plenum boxes can be supplied.

Please note: Box dimensions will vary slightly from those shown to accommodate the fire damper. Please contact our technical department for more information.

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engineering delivered. naturally

