



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.

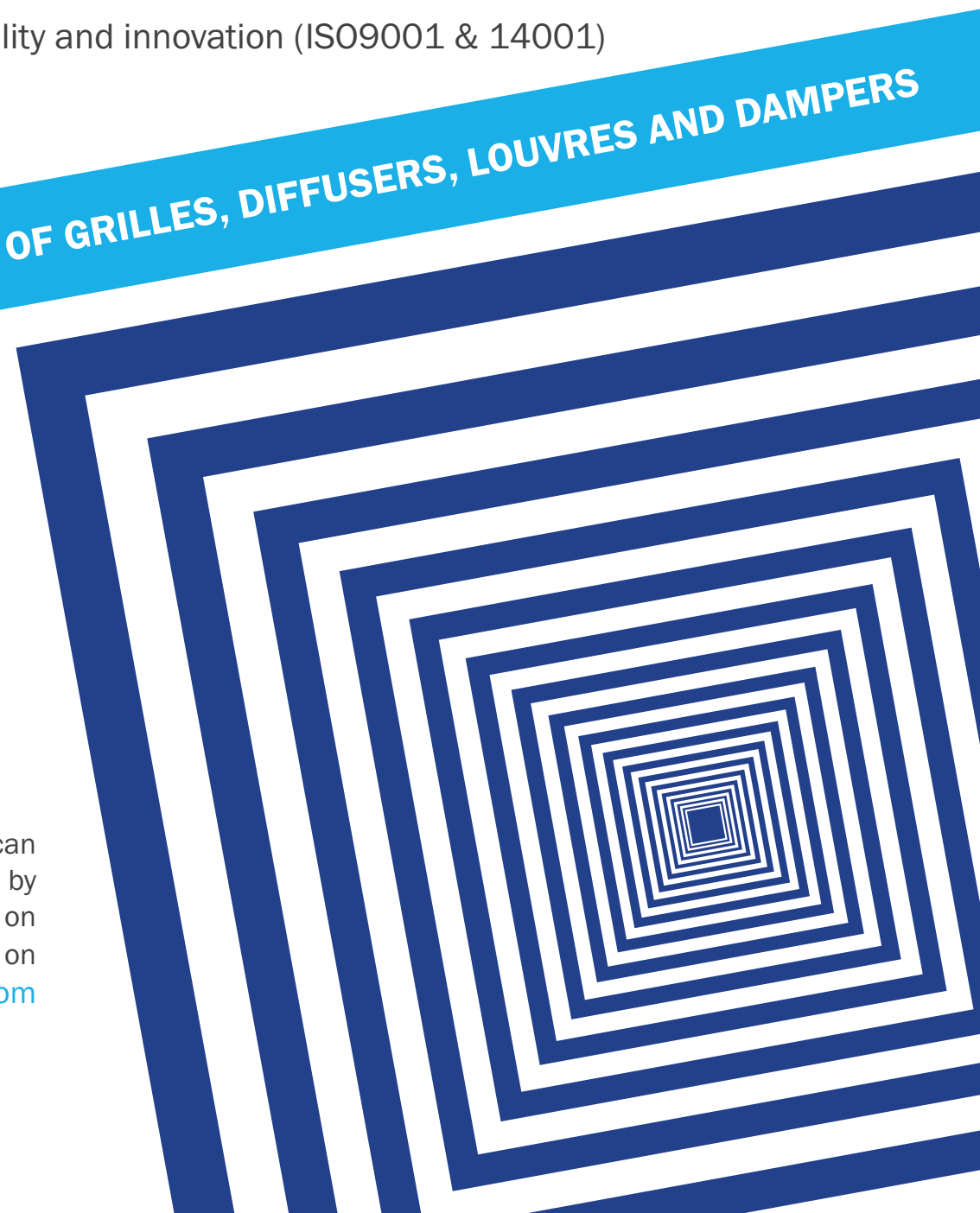
Air-Precision is an addition to Monodraught's portfolio including grilles, diffusers, external louvres and volume control dampers.

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



Computer Room Floor Grilles - CFLG-B



Designed to suit raised access flooring systems, Series CFLG-B grilles replace flooring tiles and are suitable for intake and extract applications.

The CFLG-B floor grilles are constructed from extruded aluminium throughout. With a heavy duty square edged frame and three large reinforcing mullions supporting the blade pack.

Aerodynamic teardrop shaped blades ensure minimal noise generation and pressure drop, while 6 mm blade tops on a 12.5 mm pitch help to prevent items dropping through the grille onto potentially sensitive cabling below.

Materials:

- Extruded aluminium frame, blades and mullions

Core:

- Non removable - 6 mm blades on 12.5 mm pitch

Construction:

- Frame held together using punched steel corners
- Blades secured at 12.5 mm or 20 mm spacing using expanded aluminium bar
- Aluminium expansion bar riveted into frame (fixed core units)

Mass/m² face area:

- 11.9 kg
- 13.2 kg including opposed blade damper

Free Area:

- 34%

Size:

- 599 mm x 599 mm overall (+ or - 0.5 mm) - Held in stock
- Other sizes available on request (Variations from 599 mm x 599 mm are untested)

Damper (optional):

- D: Opposed blade damper fitted

Frame:

- 6.5 mm wide flange
- 68 mm overall depth

Product Testing:

Series CFLG-B computer room floor grilles have been tested against:

- **BS EN 13264:2001**

Ventilation for buildings - Floor mounted air terminal devices.

Heavy grade achieved.

Test report number 091368.

The testing was carried out between March and May 2009 by CERAM, now known as Lucideon, in Stoke-on-Trent, England.

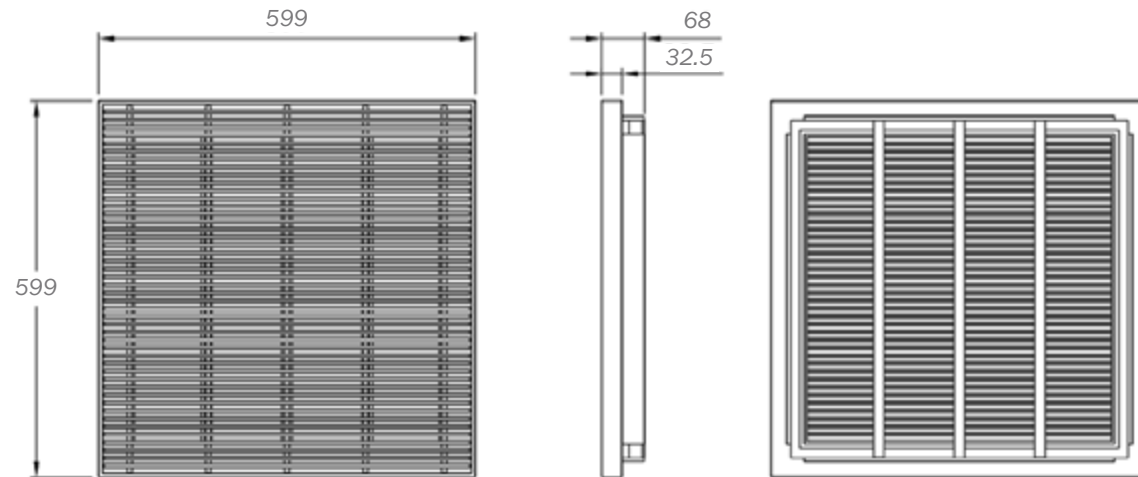
Copies of the test report are available on request.

CERAM

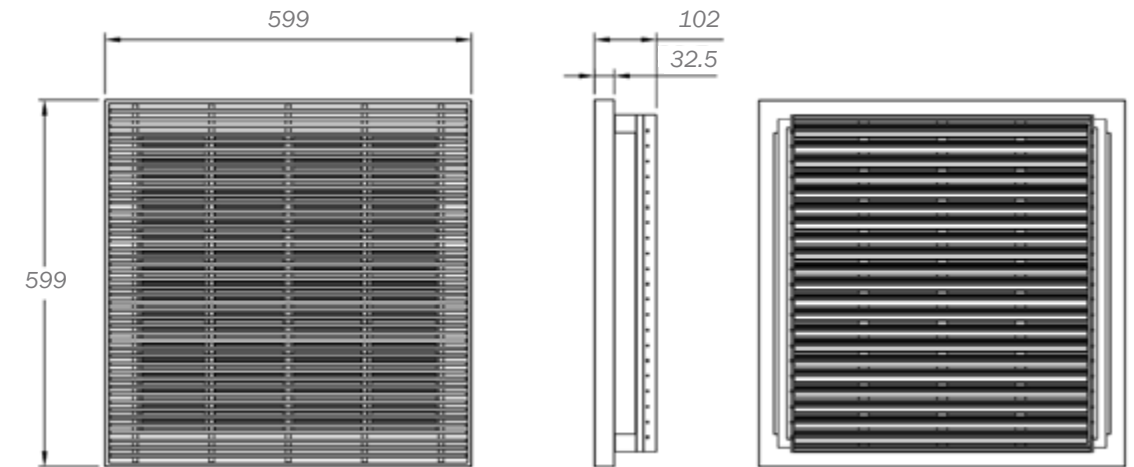
Computer Room Floor Grilles - CFLG-B

Technical Drawings

Grille Only



Grille Complete with Opposed Blade Damper



Options

Opposed Blade Dampers (OBD)

Mounted on the underside of the grille, OBDs allow airflow to be trimmed to suit the location.

Adjustable through the grille face using a flat-head screwdriver.

OBDs are supplied in Mill aluminium finish, regardless of grille finish.



Nylon Coating

Nylon coating is a specialist powder coating process that gives a tougher, thicker coating than regular polyester powder coating. It also helps to prevent the build up of static electricity.

For these reasons it is often used with computer room floor grilles, where durability and resistance to electrical charge build up are critical.



Tile Depth

Please state the tile depth of your raised access flooring system when ordering CFLG-B grilles.

We fit additional spacers under each corner to raise the grille face to the required height.

Minimum depth: 32.5 mm



Computer Room Floor Grilles - CFLG-B

Lifting Tools

Purpose designed to enable safe and secure lifting, fitting and removal of CFLG-B floor grilles.

Laser cut steel lifting arms with hooked ends latch around grille mullions securely, while 10 mm steel bars act as both handles and spacers ensuring the lifter remains rigid.


Supplied in pairs so two people can lift each grille.





Finish:


- Linished (brushed) aluminium
- Nylon coated black
- RAL: Polyester powder coated to RAL
- BS: Polyester powder coated to BS



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engineering delivered. naturally

