



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.

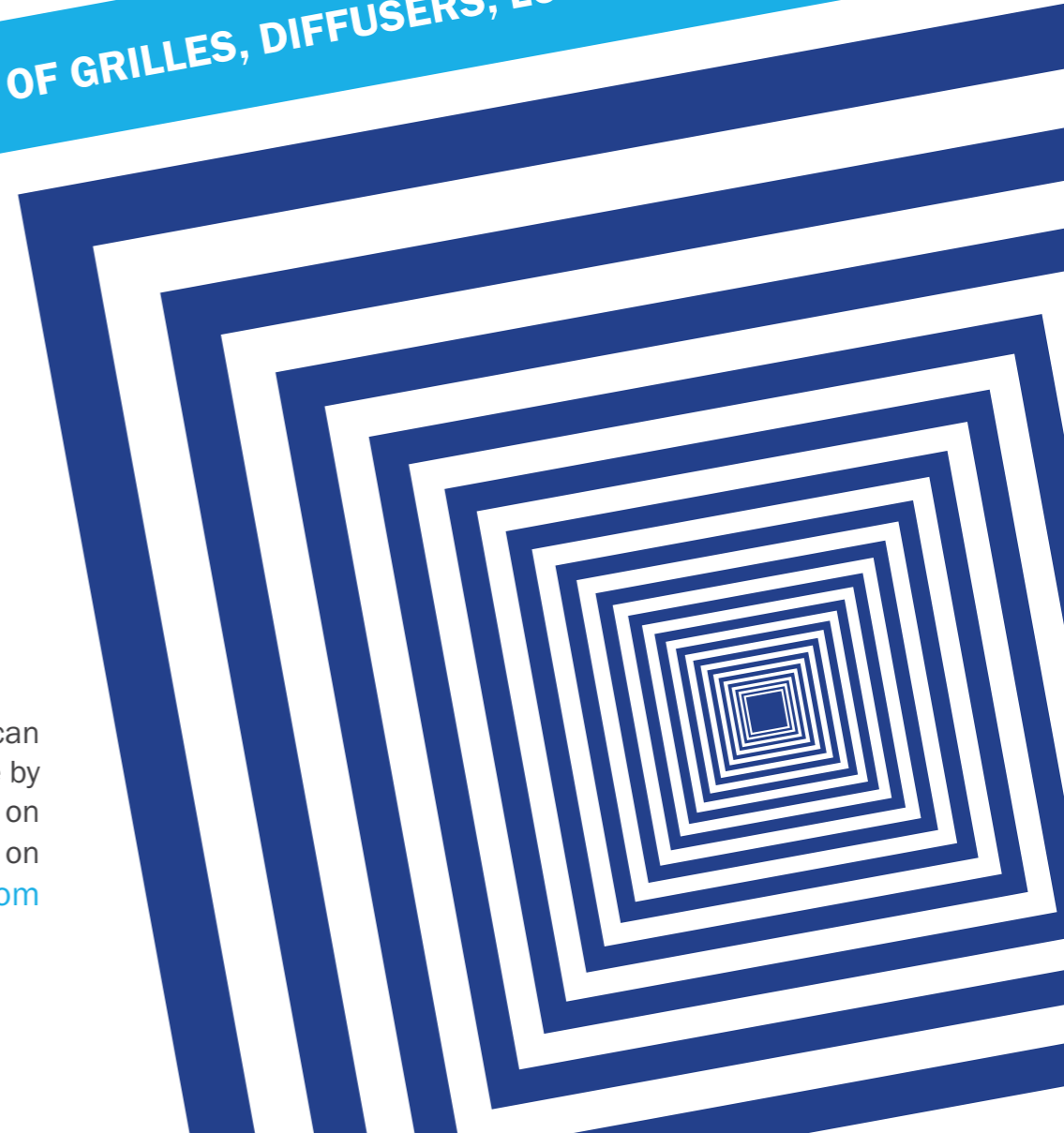
Air-Precision is an addition to Monodraught's portfolio including grilles, diffusers, external louvres and volume control dampers.

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



Egg Crate Grilles - ECG



Series ECG eggcrate grilles are the industry standard extract grille. Comprising a core with over 90% free area with vanes parallel to airflow, **eggcrate grilles are capable of handling huge air volumes with minimal noise generation or pressure drop.** Ideal for areas requiring high changeover rates like restaurant kitchens, painting booths etc.

A 45° core is also available, with a similar high free area, but introducing non vision properties from certain angles, or giving an angled throw if used for supply.

Materials:

- Extruded aluminium frame
- Aluminium core

Construction:

- Frame held together using punched steel corners
- Core held in by frame design

Mullions:

- Central mullion on any unit above 1300 mm in any dimension

Mass/m² face area:

- 7.5 kg
- 15.5 kg including opposed blade damper

Free Area:

- Approx. 90%

Options

Size:

- Minimum: 100 mm x 50 mm
- Maximum: 2900 mm x 2900 mm
- Maximum core sizes is 1300 mm x 1300 mm, above this mullions will be used

Series:

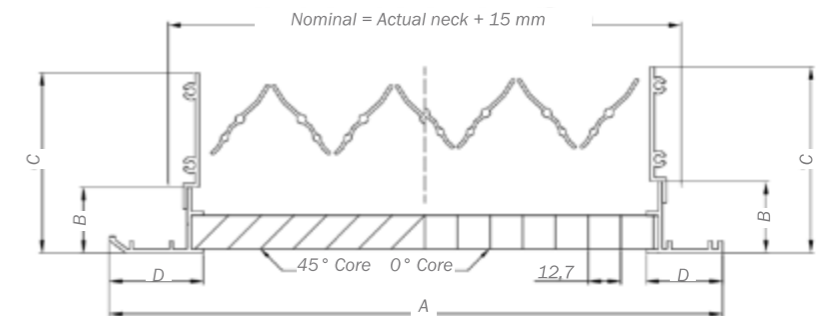
- ECG: Eggcrate grille
- ECG 45: Eggcrate grille 45° core (specify blow direction if not a square size)

Damper (optional):

- D: Opposed blade damper fitted

Frame Type:

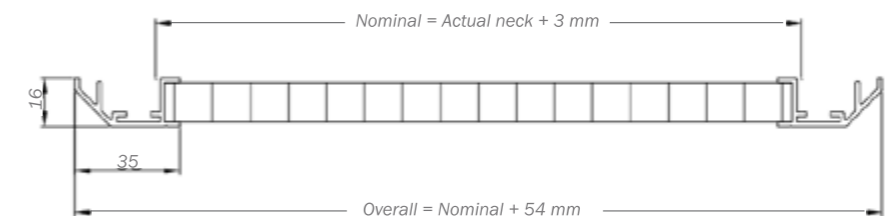
- Standard:



30FE: 30 mm flat (standard)	
A	Nominal + 30 mm
B	28 mm
C	72 mm
D	30 mm

37BE: 37 mm bevelled (optional)	
A	Nominal + 45 mm
B	25 mm
C	70 mm
D	37 mm

- SML Surface Mounted (optional):



Egg Crate Grilles - ECG

Nominal Sizes Available

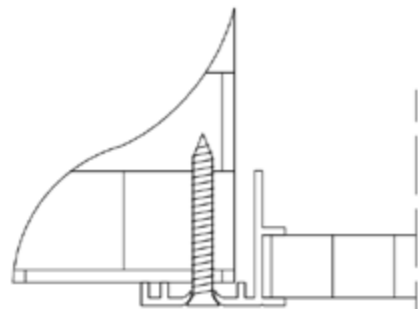
H	WIDTH																			
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Fixings:

FH Countersunk fixing holes:

For extremely simple fitting, countersunk fixing holes can be punched into the outer frame.

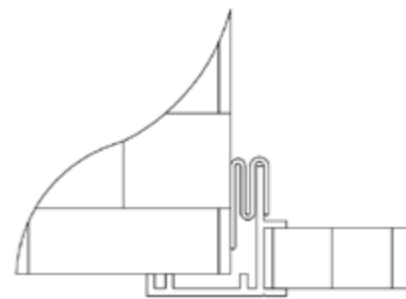
Self tapping screws in the same finish as the grilles are provided as standard.



PC Push-in-clips:

These sprung clips are compressed when the grille is pushed into place. The outward force provided then holds the grille securely in place.

This fixing method is not suitable for use in ceilings.

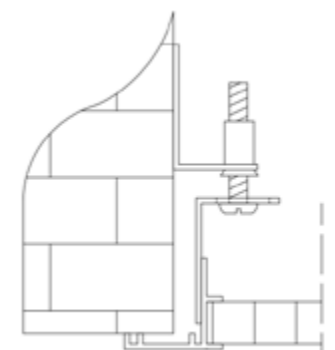


CF Concealed fixings:

Comprise two small lengths of aluminium angle, one with a punched slot, the other with a factory fitted nutsert.

The punched bracket should be fitted to the grille neck and the bracket with the nutsert fixed to the inside of the plenum, duct or builderswork opening.

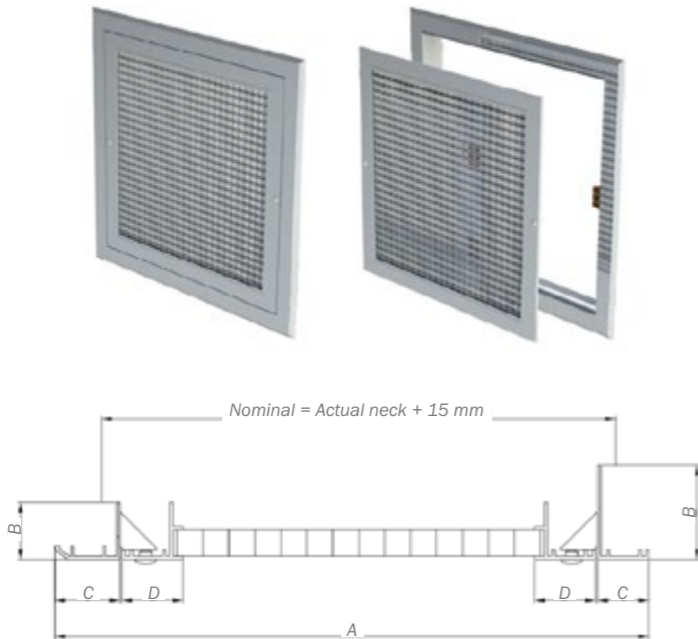
Factory supplied bolts can then be used to pull the grille securely into place.



Egg Crate Grilles - ECG

Core Type:

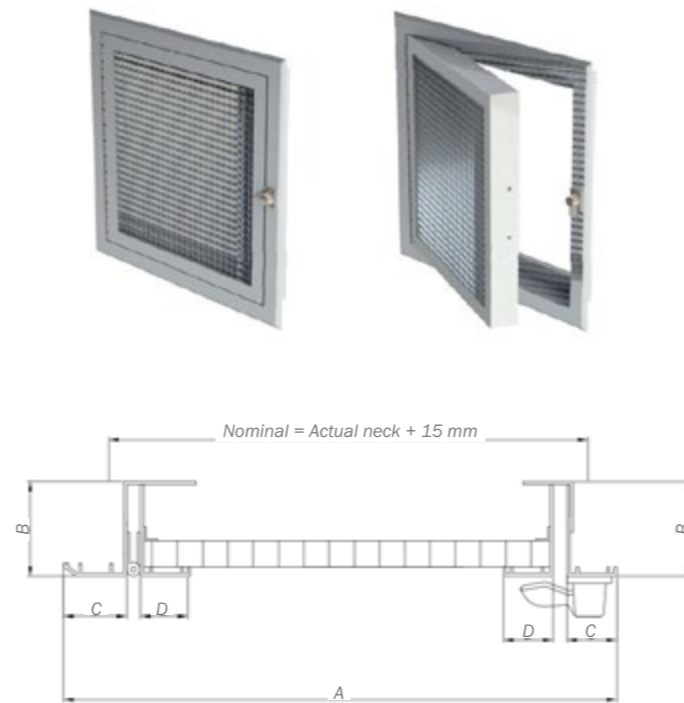
- **Fixed**
- **RC Removable Core:**
Fitted with spring loaded quarter turn fasteners, the outer frame has angle brackets fixed to the inside of the neck.
The inner removable frame holds the chrome plated, slotted head studs, for removal with a flathead screwdriver.
Other stud types are available for use with allen keys, or with a larger head for removal by hand.



25F: 25 mm flat (standard)	
A	Nominal + 30 mm
B	46 mm
C	25 mm
D	30 mm

32BS: 32 mm bevelled (optional)	
A	Nominal + 45 mm
B	28 mm
C	32 mm
D	30 mm

- **HC Hinged Core:**
Enabling the core to hinge outwards may be preferable to it being fully removable.
The full length piano hinge at one side is discreet, and gives minimal loss of core area.
The inner core is held in place by a chrome plated cam fastener as standard, bolts are optional.



25F: 25 mm flat (standard)	
A	Nominal + 30 mm
B	48 mm
C	25 mm
D	25 mm

32BZ: 32 mm bevelled Z (optional)	
A	Nominal + 45 mm
B	48 mm
C	32 mm
D	25 mm

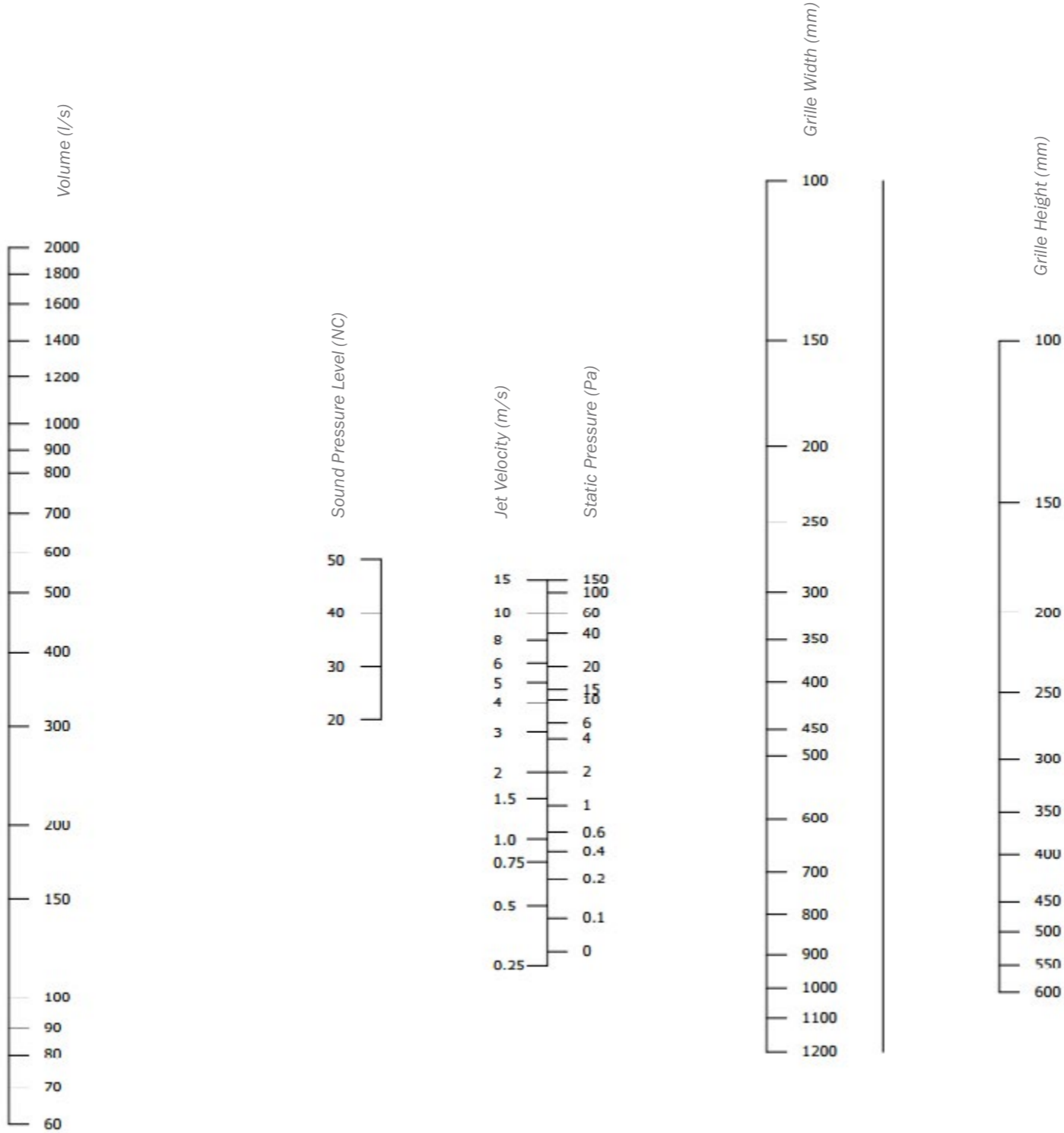
Finish:


- SAA: Satin anodised frame, mill finish core (standard)
- Mill Aluminium
- RAL: Polyester powder coated to RAL
- BS: Polyester powder coated to BS





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Selection data



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