



GILBERTS

Intelligent Air Distribution for **Data Centres**

Supporting the Surge in UK Data Centres

As demand for AI, cloud computing and digital infrastructure grows, so does the number of data centres across the UK, especially in regions like London, the South East, Scotland and the North West.

But with this growth comes a challenge: managing airflow efficiently in spaces where heat, energy use and equipment protection are all critical.

At Gilberts, we get it. Our proven range of grilles, diffusers, louvres and control dampers is designed to meet the unique demands of data centres - balancing performance, safety and efficiency. Whether you're designing a new facility or upgrading an existing one, we have the products and expertise to support you at every stage.



Grilles

Adaptable, adjustable, and durable - we have handpicked the ideal air distribution solutions for data centres from our extensive range of grilles. Engineered with security and safety in mind, our grilles provide a unique blend of style, performance, and protection.

SERIES GF

Heavy Duty
Floor Grilles



- Two frame formats
- Robust design
- Strong and rigid assembly
- Fully tested to floor grille spec

SERIES GH

Adjustable
Deflection Grilles



- Single deflection grille with one set of horizontal blades
- 4mm aerofoil section blade profile
- Extruded aluminium construction

SERIES NV

Vision Proof
Transfer Grilles



- Chevron blade vision proof core
- Door, wall or partition mounting
- Five different style options
- Light proof darkroom facility

SERIES GC

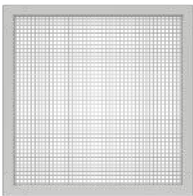
Curved Blade
Grilles



- Individually adjustable blades
- 1,2,3 or 4 way air pattern
- 8 air pattern option
- Wide flexible size range

SERIES GE

Eggcrate
Grilles



- 13mm eggcrate core
- Flange or channel frame border
- Wide flexible size range
- Extruded aluminium construction

SERIES PE

Perforated Face
Extract Grilles



- Perforated face design
- Robust mild steel fascia
- Flexible size range
- Fixed core

SERIES L

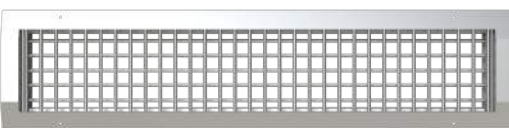
Fineline & Broadline
Linear Strip Grilles



- Seven frame options
- 0°, 15° or 40° blade angles
- Single units or continuous runs
- Removable core options

SERIES CV

Adjustable Deflection
Grilles for Circular Ducting



- Single or double deflection
- Individually adjustable blades
- 4mm aerofoil section blade profile
- Galvanised or mild steel construction



Diffusers

Designed to optimise cooling, our selection of diffusers ensure uniform air distribution whilst seamlessly integrating into the facility's infrastructure. They are especially beneficial in environments like data centres, where precise temperature control is crucial.

SERIES DG

Louvred Face
Ceiling Diffusers



- Four frame/border styles
- Nine air pattern core options
- Spring loaded removable core
- Top/side entry connection boxes

SERIES GD

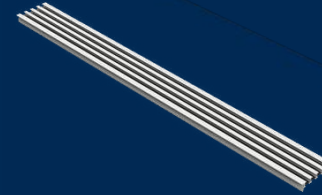
Square and Circular
Fixed Swirl Diffusers



- Architecturally appealing design
- Border styles compatible with modern ceiling designs
- Cost effective solution

SERIES GSL

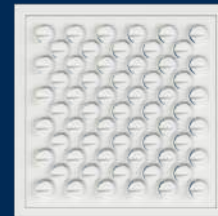
Linear and Curved
Slot Diffusers



- One to eight slot widths
- Adjustable for horizontal and vertical air distribution
- Curved pattern available

SERIES MN

High Induction
Multi-Nozzle Diffusers



- High induction effect
- High air change rate capabilities
- Versatile multi-directional control
- Cost effective design solution



Smoke & Fire Dampers **Reliable Safety Solutions**

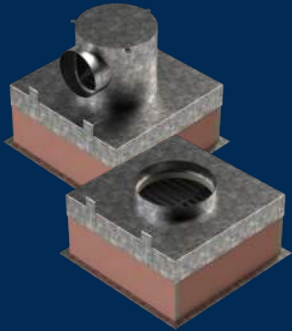
Fire and smoke dampers are critical components in a data centre's HVAC system because they play a key role in fire safety, asset protection, and operational continuity.

Our engineer-led products are designed to deliver the highest standards of performance, safety, and security. Each product is rigorously tested to meet the applicable BS/EN standards and CE marked where required.

NEW

SERIES FR/TCB - FR/SEB

Fire Rated
Connection Boxes



- Fire tested to EN 1363-1
- 60 min integrity rating
- 60 min thermal rating
- Tested to EN 1366-3:2021

NEW

DUCTGARD SS & SL

Insulated Smoke/Fire
Dampers



- Approved to current test standard EN 1366-2 \ [EN 15650:2010]
- Wide size range
- Connections to suit ductwork

NEW

DUCTGARD SBB & SBC

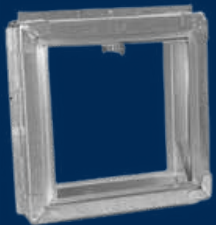
Insulated Smoke/Fire
Dampers [Circular]



- Approved to current test standard EN 1366-2 \ [EN 15650:2010]
- Wide size range
- Connections to suit ductwork

FIREGARD

Curtain Fire
Dampers



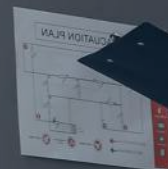
- Galvanised or stainless steel
- BS EN 1560 compliant
- E classified fire damper compliant with BS EN 13501-3

DUCTGARD

Duct Mounting
Fire/Smoke Dampers



- Certified to Current test standards BS EN 1366-2
- Fully tested and CE marked and compliant



High Performance Louvres Solutions

In data centres, maintaining optimal airflow whilst protecting sensitive equipment from environmental elements is critical. That's where louvres come in. Designed to balance **high airflow performance with robust weather protection and pollutant control**, louvres are an essential part of any efficient ventilation strategy.

Our range of factory-built and site-assembled screening louvres provides flexible options for through-façade ventilation, delivering up to **50% free area** whilst offering excellent weather resistance, ideal for high-demand environments like data centres.

Key benefits for data centres:

- Prevent rain ingress to protect interior space
- Efficiently exhaust warm air to enhance ventilation
- Enhance energy efficiency through aerodynamic, performance-led design
- Support consistent ambient temperatures for system stability
- Control humidity levels to ensure a healthy environment
- Reduce operational costs by maximising system effectiveness

Why GILBERTS

For 65 years, Gilberts has been quietly shaping the air around us. From iconic public buildings to cutting-edge private developments, we've been the trusted name behind precision-engineered air movement solutions across every sector. Our strength lies in our technical expertise, adaptability, and deep understanding of air distribution.

What We Bring to the Table

- Unmatched versatility
- Technical excellence
- Custom solutions, delivered at scale
- Decades of proven experience
- End-to-end support
- Made in the UK
- Trusted by the public and private sector

Let's future-proof your next data centre. Get in touch!

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