Features
- Fixed Aerofoil Blades
- Robust 10mm blade section.
- Safe smooth edges and borders
- No Finger trap points
- Large Flange fixing border
- High free area
- All extruded aluminium construction
Gilberts HG Series provides a tough, uncompromising but safe grille solution for both air supply and extract applications in sports halls, gymnasiums and other similar areas. All units comprise of substantial 10mm section rounded aerofoil vertical blades set close on a 16mm pitch to provide a strong central air distribution core. Framing the core is a large 50mm flange border frame with welded mitred corners to offer a strong and comfortable size landing for fixing to the structure. The flange border frame also includes smooth outer edges to reduce the risk of any collision type injury whilst the narrow blade pitch on the core eliminates the risk of finger trapping.

Sport England guidelines were consulted in the design and development of this grille to ensure that all best possible practices were applied.

The HG series features both horizontal (Type HGH) or vertical (Type HGV) blades. Standard fixing is screw through the flange using self tapping screw supplied.

Standard sizes range from 200 x 200 up to 2000 x 2000 for Type HGH with horizontal blades or all the way up to 10000 x 2000 for type HGV with vertical blades.

Standard finish on the HG Series is a White Polyester powder. Other special colours and finishes are available on request.

**References Used:**
- Pressure: All pressures are in Pa (N/m²)
- Sound: Measured in average dba level
- Free Area: Approx 37%

**Example:**
Select a suitable supply outlet for a gym 10m x 10m x 5m high, the outlet being located in the centre of the 10m wall. Duty 1m³/sec. Throw 7.5m.
Acceptable sound level 40db'A'. Mounting height 1m.

**From Sizing Nomogram:**
2 No size 1000 x 600mm @ 0.5m³/s each meets the requirements and the sound level is acceptable.
**SERIES HG**

*Sport & Gymnasium Grille*

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### Ordering Specification

**QUANTITY**
- 2 HG

**SERIES: HG**

**BLADE ORIENTATION**
- Horizontal Blades .......... H
- Vertical Blades ............... V

**SIZE (mm LENGTH X HEIGHT)**
- 300 x 200 PPC

**FINISH**
- White RAL 9010 20% Gloss

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**Example :** HGH / 300 x 200 PPC White RAL 9010 20% Gloss

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**Finish**
- Standard Finish: Polyester Powder Coat White RAL 9010 20% Gloss.
- Special Finishes: Polyester Powder Finish to stock BS or RAL colour.

**Fixing**
- Standard flange screw fixing using self tapping screws provided.

**Size Range**
- Available sizes range from 200 x 200 up to 2000 x 2000 for Type HGH and 200 x 200 up to 10000 x 2000 for Type HGV in 25mm increments. Where any dimension can be supplied up to 2m² in area e.g. 2 x 1m. Multiple sections are typically supplied in 1000mm sections.

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