

Technical Data Sheet



AirQon Synergies

F12 Laminar Air Flow System

Laminar flow units are designed to reduce the number of microorganisms to 1 per cubic meter. The unit provides stable and low turbulence sweep air flow for surgical operations and protected areas. Sweep air flow output of the unit removes the contaminants in the ambient air. The unit reduces the microorganism risks to the minimum level via the homogenous air flow provided by its superior design. Sweep air flow dilutes the concentration of harmful gas in the anesthesia area and removes it before it reaches to the personnel

Class H13 HEPA filters having high flow rate with low initial pressure.

Sealing tests at the production stage.

Built from stainless plates / Aluminium plates with a decorative panel and laminator.

Uniform air velocity distribution and low turbulence.

Self lighting system

Designed to provide an easy installation and maintenance.



Construction

Operating Theatre / Operating Room special Laminar Air Flow Ceiling System, including Air Duct, Air Filters, Air Outlets, Return Air Inlets, Clean Room Lights, Surgery Lamp Installing Brackets, Ceiling Medical Pendant Installing Brackets, etc., to promote air circulation, and to ensure the air cleanliness in Operating Theatre / Operating Rooms.

Laminar Air Flow System is available in Stainless Steel / Aluminium casing

Front Face Grille is also available in Stainless Steel / Aluminium, perforated in equidistant CNC operated perforation holes to provide laminar air flow.



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Ceiling Laminar air flow Parameters

| Model | OPD1 | OPD2 | OPD4 | OPD4 | OPD5 | OPD6 |
|---|----------------|----------------|--------------------|------------------|-------------------|----------------------|
| Class | Class 5 | Class 6 | Class 7/8/9 | Burn ward | Blood ward | Ophthalmic OT |
| Ceiling dimension | 2590*2400*400 | 2600*1800*400 | 2600*1400*400 | 2600*1400*400 | 2600*2400*400 | 1500*1500*500 |
| Installation type and HEPA filter size | laying | | | | | |
| | 920*1140*69 | 920*840*69 | 920*610*69 | 920*610*69 | 920*1140*69 | 690*422*69 |
| Hepa filter QTY | 4 | 4 | 4 | 4 | 4 | 4 |
| Air flow (m/s) | 0.45 | 0.3 | 0.23 | 0.23 | 0.45 | 0.45 |
| Initial pressure drop (pa) | 125 | 100 | 80 | 80 | 125 | 125 |
| Hepa filter QTY | 8 up to 10 | 4 up to 6 | 2 up to 4 | 3 | 8 up to 10 | 4 |