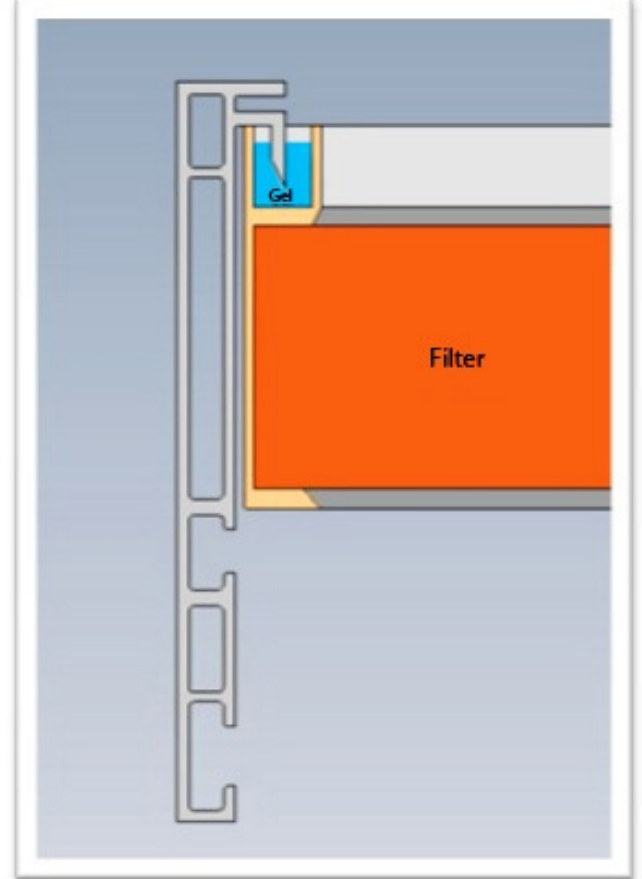


## HTL Operating Room Type Laminar Air Flow (LAF)



### **Purpose :**

- ✓ Patients who underwent surgery in operating rooms and surgical staff may microbiological agents , the protection of the environment is of great importance.
- ✓ For this purpose, laminar flow units mounted on the operating table and the conditioning of air conditioning power plant has been pre-filtering the air stream lines parallel to each other in passing efficiency particulate filters and sends it to the surgery. In this way, patients and staff by preventing the transition between the particles and micro-organisms in a healthy operation will be provided.

## HTL Operating Room Type Laminar Air Flow (LAF)

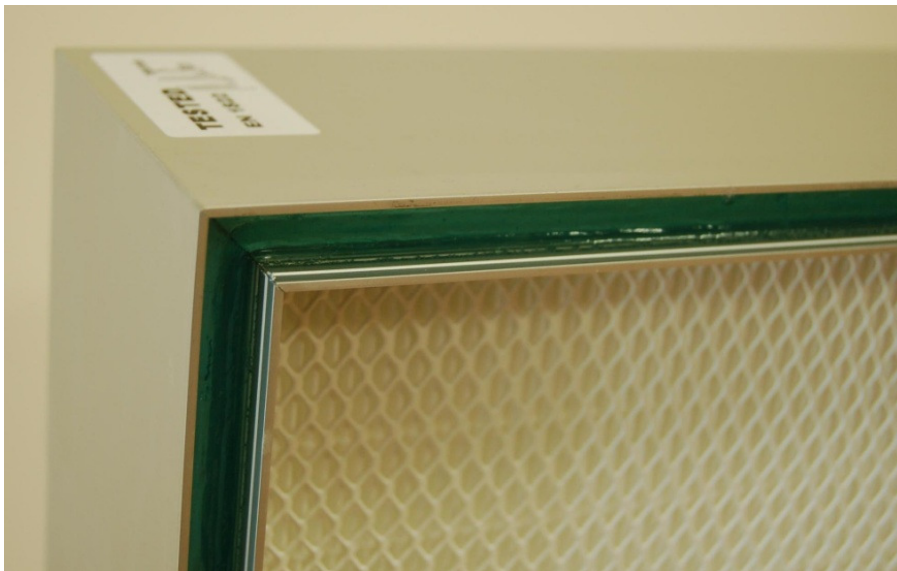
### LAMINAR AIR FLOW UNITS OPERATING PRINCIPLE

Aluminum frame system, HEPA filters (H14), transparent air distributor (Laminator) stainless steel air distribution unit to be mounted and then the connection is composed of operating room pendant lamp.

- ✓ *Laminator (silk filter) to the operating table in a laminar air stream. Thus, particulate matter and microorganisms present in air flow area (microbes, bacteria) in the environment around the operating table just by removing the high-grade class is provided a cleaning.*
- ✓ *Get laminar flow units, operating room applications, the speed from 0.2 to 0.3 m / s are selected. A key factor here was 0.3 m / s air speeds above the workers under the unit to produce discomfort, 0.2 m / s speeds below will result in distortions of the laminar flow.*

### FILTERS

- ✓ *Our products, "gel-filled sealed" We use filters. This is because the seal between the filter and the filter is mounted unit that can be used to overcome the problem is that the best type of filter. Can be produced in different sizes to suit your needs.*
- ✓ *In particular, manufacturers test certificate obtained from non-random , this problem is occurring in the use of units , such as delayed delivery of the work to ensure that the filter sealing surface with a dry contact with the silicones used in the filter for future changes cause difficulties.*





## HTL Operating Room Type Laminar Air Flow (LAF)

### FILTERS

- ✓ Gel-filled gasket system "in the form of knife-edge filters are manufactured with a special filter that is the seat gently squeezed from the bottom frames, from the top only leaving the fit is made. The gel due to its softness and stickiness with safe sealing between the filter is easily obtained.
- ✓ Gel used in the filter, such as whether the body of the fluid within the canal after the removal of the filter itself very quickly becomes old. it does not contain toxic substances, use of environment does not cause any contamination.
- ✓ Use gel filters, EN1822 according to the efficiency 99.999 H14 filters.
- ✓ Products on the market, unlike the similar transition area between the air distribution unit and laminator completely covered with hepa filter.

Dimensions					
Product Code	Largeness(mm)	Lenght (mm)	Hight (mm)	Velocity (m/sn)	Filter type
HTL – OT – LAF 12X24	1,259	2,491	447	0,28	H14
HTL – OT – LAF 18X24	1,880	2,478	447	0,28	H14
HTL – OT – LAF 24X24	2,490	2,502	447	0,28	H14
HTL – OT – LAF 24X30	2,490	3,124	447	0,28	H14
HTL – OT – LAF 30X30	3,100	3,124	447	0,28	H14

