

# AIR FILTER TECHNOLOGY

## LAMINAR FLOW UNITS FOR OPERATING THEATRES

### Specifications

- Montage and service easiness with high quality design
- DIN 4799 Standart sterility on partial and full capacities
- Hepa Filter Box with differential manometer connection ports and aerosol port
- Used High capacity HEPA filter (EN1822)
- Metal Frame H13 / H14 Filters connection side with sealing
- Pendant Lamp connection detail
- Separate seal leak test ports for each HEPA filter (in conjunction with test groove)

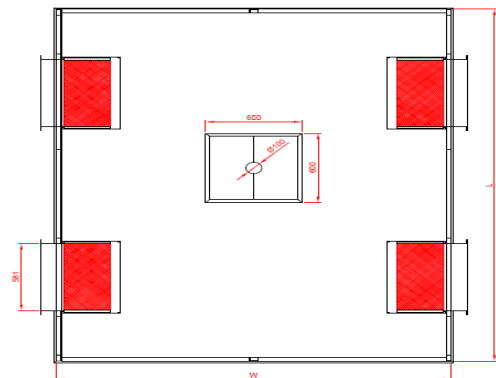
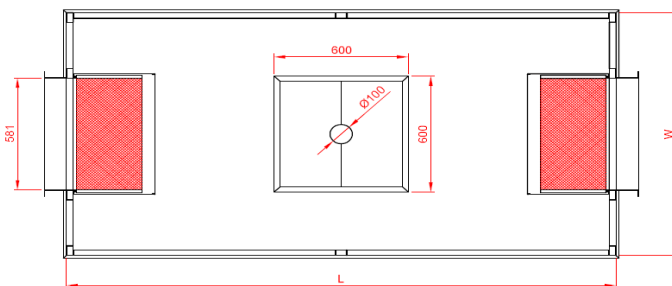
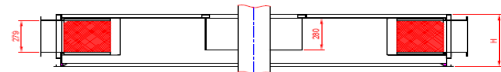
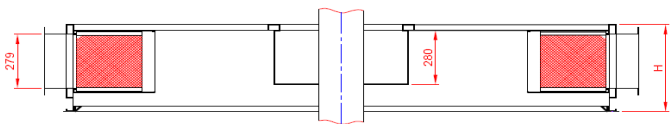
Operation theatre type Laminar Flow Unites are used to supply laminar flow over the operating table and its perimeter. Laminar Flow Unites prevent operating zone from microbes, bacteria and other living organisms.

Operation theatre type Laminar Flow Units are constructed from stainless steel. For filtration H13 / H14 HEPA filters with metal frames are used. A laminisator made of special taut silk fabric is used under the laminar flow unite, to achieve laminar flow. Laminisator is made of two parts with a special design that enables pendant lamp connection in the middle of the unit.

In Laminar flow unites for operation theatre applications, face velocity is taken between 0,2-0,3 m/s. Larger velocities from 0,3 m/s cause draught affect on people under the unite, on the other hand velocities smaller than 0,2 m/s cause deformations in laminar flow.



Product Code	Dimensions WxLxH (mm)	Surface Velocity		Flow		HEPA Filter		Pressure Losses	
		Min. (m/s)	Max. (m/s)	Min. (m³/h)	Max. (m³/h)	Model (H14 Optional)	Quantity	Initial (Pa)	Final (Pa)
LAF 12x24	1200x2400x450	0,2	0,3	2.074	3.110	HHV-H13-G40-305x610/C	2	200-300	600
LAF 14x24	1400x2400x450	0,2	0,3	2.419	3.629	HHV-H13-G40-305x610/C	2	200 - 300	600
LAF 16x24	1600x2400x450	0,2	0,3	2.765	4.147	HHV-H13-G40-305x610/C	2	200 - 300	600
LAF 18x24	1800x2400x450	0,2	0,3	3.110	4.666	HHV-H13-G40-305x610/C	4	200 - 300	600
LAF 24x24	2400x2400x450	0,2	0,3	4.147	6.221	HHV-H13-G40-305x610/C	4	200 - 300	600
LAF 18x30	1800x3000x450	0,2	0,3	3.888	5.832	HHV-H13-G40-305x610/C	4	200 - 300	600
LAF 24x30	2400x3000x450	0,2	0,3	5.184	7.776	HHV-H13-G40-305x610/C	4	200 - 300	600



• Technical drawing of 1200x2400

• Technical drawing of 2400x2400



ADVANCED FILTRATION FOR A BETTER FUTURE!