Description

Modular filtration unit with vertical laminar flow, with uniform velocity on the whole exhaust section. It has been especially studied for hospital applications, with ceiling installation over the operating table.

Construction

Air tight, welded, pickled and satin stainless steel AISI 304 box. Lateral air entry (rectangular with threaded inserts). Central sealed hole for the fitting of the scialitic lamp. Plane structure without projections for an effective cleaning with hospital detergents and disinfectant products. Pressure drop connection to check the pressure drop of filter elements, upon request. The module is built in a single piece but it can also be supplied in more parts for any particular transport or yard needs.

Screens

Micro-perforated in pickled and satin stainless steel AISI 304. Fixing through not projecting face screws. Air passage 40% (open area).

Filter

Absolute filters for laminar flow of the series MINILAM or MICROLAM with mechanical or fluid seal gasket (gel) can be housed. The use of models LFA-LFD, allows to reach the air purity class ISO 4/5 according to the rule ISO 14644-1. The fixing of the filter elements is done through easily to be assembled mounting brackets with Allen screws.
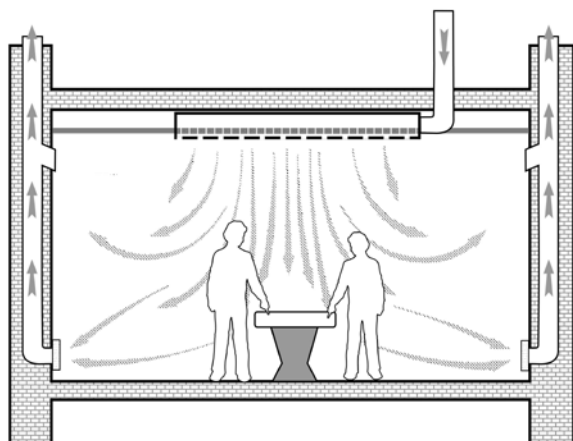
Applications

Terminal diffusion with laminar flow with absolute filters for operating theaters and controlled contamination environments.

Special executions

BFL/C	with circular inlets
BFL/G	for fluid seal gasket filters

Type	q_v	BxH	M	filters*
	(m³/h)	(mm)	(kg)	(type)
1230	1800	2360x1450	200	4 x 3012/07 2 x 3024/07 2 x 2412/07
2424	2400	2055x2055	205	8 x 2424/07
2430	2900	2360x2055	218	6 x 3024/07 2 x 2424/07
2436	3300	2665x2055	238	6 x 2436/07 2 x 2424/07
2448	4200	3275x2055	265	6 x 2448/07 2 x 2424/07
3048	5000	3275x2360	285	4 x 3048/07 2 x 2448/07 2 x 3024/07
3060	6000	3885x2360	320	4 x 3060/07 2 x 2460/07 2 x 3024/07

M mass filters excluded
* series MINILAM or MICROLAM

F.C.R. SpA - Via E. Fermi, 3 - 20092 Cinisello Balsamo (MI) - Italy
phone +39 02 61798 1 - fax +39 02 61798 300 - www.fcr.it - fcr@fcr.it

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