



Laminar ceilings



Description

Laminar ceilings LAM ensure efficient protection against contamination in the operating field, by providing stable and low degree of turbulence air flow.

The ceilings are available in different shapes and sizes in order to suit any room layout and answer specific requirements to create a clean zone around the operating field.



Description and construction



Construction

Casing of laminar ceilings is made of stainless steel AISI 304, consists of one or two parts. The surfaces are smooth, easy to clean and resistant to disinfection. The devices are equipped with absolute filters (HEPA), class H13 or H13, located on whole laminar flow surface. Filters frames are made of aluminium. Air flow surface is made of white color polyester fabric with microscopic holes, tightly fixed to the stainless steel casing. Optionally the device can be equipped with additional lighting.



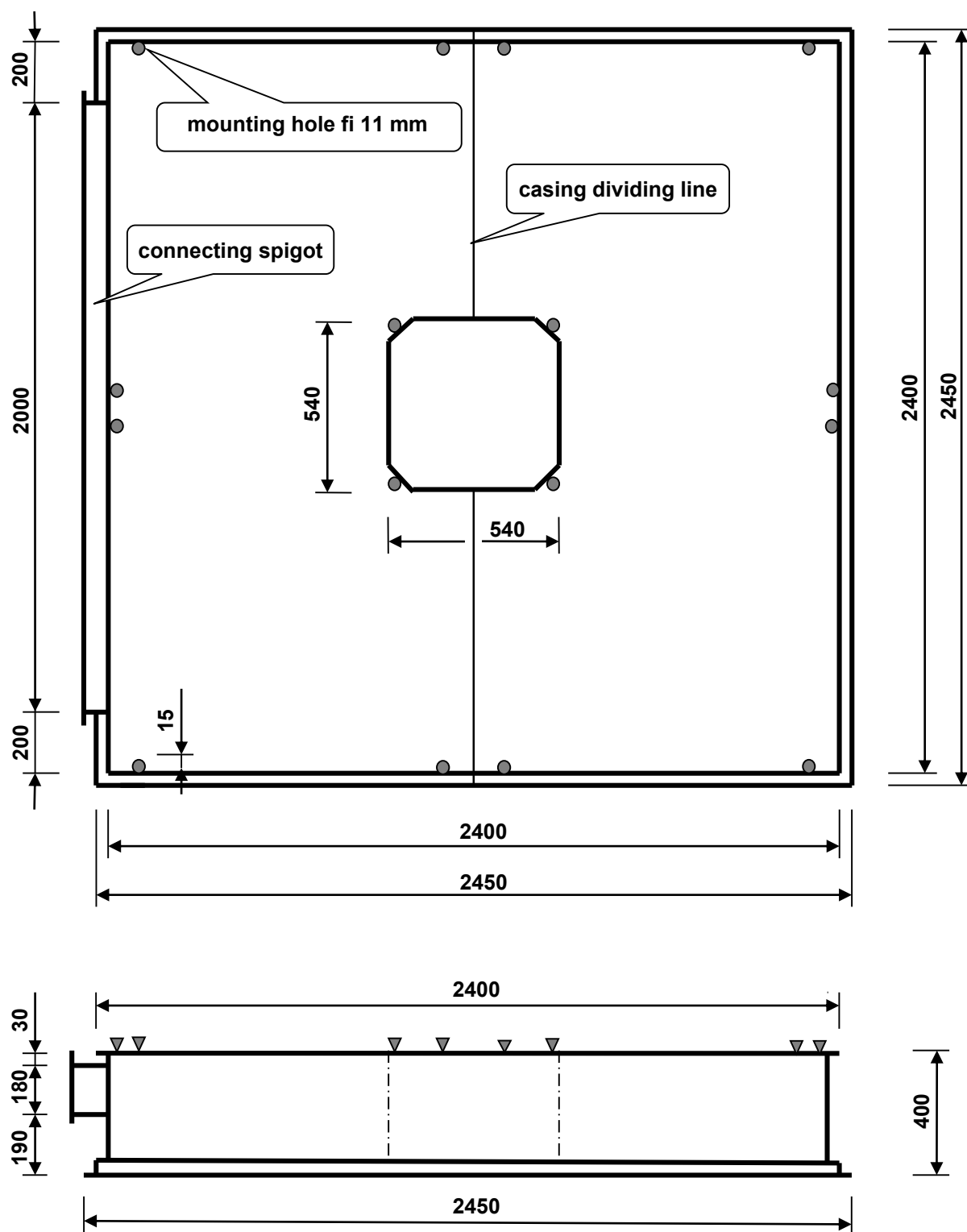


Fig. Example of the laminar ceiling LAM 2.4/2.4

Technical data

Type	Nominal efficiency [m3/h]	Working range [m3/h]	Dimensions [mm]	Connecting pipe dimensions [mm]	Connecting pipes quantity	Weight [kg]
LAM 1.0/2.06)	3 240	870 ÷ 3.240	1.000 x 2.000	900 x 180	2	160
LAM 1.2/2.06)	3 890	1.040 ÷ 3.890	1.200 x 2.000	1.100 x 180	2	180
LAM 1.2/2.4	4 670	1.250 ÷ 4.670	1.200 x 2.400	1.100 x 180	2	200
LAM 1.4/2.4	5 450	1.450 ÷ 5.450	1.400 x 2.400	1.100 x 180	3	220
LAM 1.92/1.92	5 980	1.590 ÷ 5.980	1.920 x 1.920	1.100 x 180	3	230
LAM 1.6/2.4	6 230	1.660 ÷ 6.230	1.600 x 2.400	1.100 x 180	3	240
LAM 1.4/2.8	6 350	1.700 ÷ 6.350	1.400 x 2.800	1.100 x 180	4	240
LAM 1.8/2.46)	7 000	1.870 ÷ 7.000	1.800 x 2.400	1.100 x 180	4	260
LAM 2.4/2.46)	9 340	2.490 ÷ 9.340	2.400 x 2.400	1.100 x 180	6	320
LAM 2.4/3.06)	11 670	3.110 ÷ 11.670	2.400 x 3.000	1.400 x 180	6	360
LAM 3.0/3.06)	14 580	3.890 ÷ 14.580	3.000 x 3.000	1.400 x 180	6	420

Technical data

The above table shows the technical data of standard products. Customized laminar ceilings according to special requirements are possible to produce.

NOTES:

- 1) Nominal efficiency at the air velocity of 0.45 m / s.
- 2) The range of efficiency at the air velocity 0.12 ÷ 0.45 m / s.
- 3) For a ceiling with a height of 400 mm, the connecting pipe has a height of 180 mm.
- 4) Maximum air velocity in the connecting pipe: 3.00 m / s. Possibility to change the width, quantity and location of the connecting pipes.
- 5) Initial pressure loss at nominal efficiency (air velocity 0.45 m / s) and H13 filters.
- 6) The casing delivered in two parts.



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For special requirement of the customer it is possible to produce the product with changed technical parameters which do not diminish its safety.

The details given in this catalogue are correct at the time of going to press. Infimed Sp. z o.o., however, reserves the right to improve shown equipment.



Polska

adres INFIMED Sp. z o.o.
ul. Kabaty 1,
34-300 Żywiec,
Polska
tel/fax +48 33 861 40 96
email office@infimed.pl
www www.infimed.pl

NIP 553-251-29-67
REGON 243274947
KRS 0000463933

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