

High flow minipleat HEPA filters of type HFMF-H

Compact high flow filters with minipleated packages of type HFMF-H (filters HEPA) are used for high efficient (final) cleaning of air and sterilizing filtrations in medical institutions, at enterprises of pharmaceutical industry, as well as in clean premises of other branches of industry (microelectronics, microbiology, food and etc.). The particularity of these filters is their high reception capacity (efficiency).

Filters are to be also used for cleaning of extract air from harmful microorganisms and radioactive aerosols at bacteriological labs, at nuclear plants etc.

At cleaning of large volume air these filters can be placed in filtering chamber of folded filters of type FCCF (look the catalogue of company “NPP “Folter”).

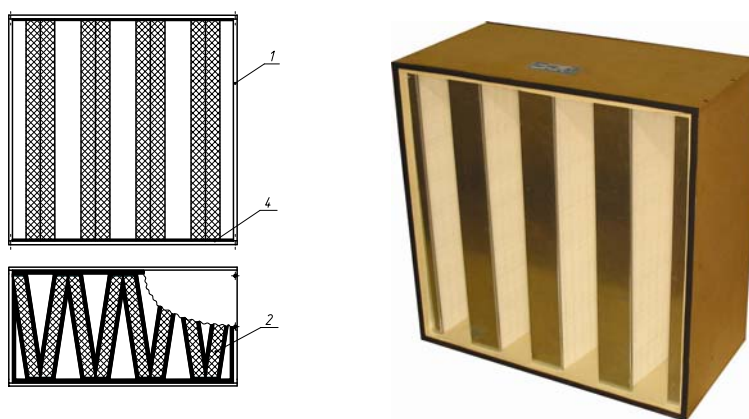


Fig. 1. Scheme of filter HFMF-H

CHARACTERISTICS

Filter dimension type	Class of filter by EN 1822.	Nominal air volume capacity, m ³ /h	Initial pressure drop, Pa at nominal air flow	Final pressure drop, Pa	Filtration area, m ²	Efficiency *, %	Dimension, mm		
							height	width	depth
U 13P36.3	H13	3400	260	600	29,5	99,95	610	610	300 (292)
U 13P35.3	H13	1500	260	600	14,0	99,95	305	610	300 (292)
U 13P32.3	H13	3200	260	600	27,0	99,95	592	592	300 (292)

* Efficiency is defined according to the requirements of Eurostandard EN 1822.

By request filters of type HFMF-H can be made for more low classes – from F10 to H12.

The temperature of cleaning air must be within the range of - 40°C to + 70°C and relative humidity not more than 95%.

NB: Other dimension types of filters are produced by request.

GENERAL DEVICE

Filters HFMF-H (fig.1) consist of the body 1, inside which minipleated filtering packages 2 are installed in W-form, which are sealed in the body by special adhesive 4.

The body of filter can be made of special aluminum profile, galvanized or stainless steel or MDF. The body has a flange on the perimeter from both sides (sealing surfaces), the size of which is 15 mm for aluminum profile, 18 mm for the body of stainless sheet, 10 mm of MDF. Rubber seal is placed on this flange (on one or two sides).

MAINTENANCE

When the filter is in operation it is necessary to check its pressure drop by readings of a manometer. Upon reaching the pressure drop, specified in the passport, chosen in the project or available pressure in ventilating system, it is necessary to replace filter. The manufacturer leaves the right to contribute changes to the design of filters by himself, not worsening their technical features.

