

ULPA filters for ultra high efficient air cleaning of type HEF-U of U15-U16 classes

Filters for ultra high efficient air cleaning of type HEF-U of U-15 and U-16 classes in accordance with Eurostandart EN1822 are used for finishing (final) air cleaning in air-conditioning systems of super clean rooms of ISO 4 and ISO 3 classes according to ISO 14644-1.



CHARACTERISTICS

Filter class	Nominal specific air flow m ³ /h, on m ² inlet sectional area (speed through the filter), (m/s)	Efficiency % for size of particles, μkm		Pressure drop, Pa	
		The most penetrating (MPPS)	0,3	Initial	Recommend final
U15	1620 (0,45)	99,9995	99,9999	150	600
U16		99,99995	99,99999	170	600

The filter can be used at air temperature not greater than 70°C.

GENERAL DESIGN

Ultra high efficient ULPA filters of type HEF-U have a body from special aluminum structure inside which filtering pocket from minipleat fiberglass filter media settles down. Next pleats of minipleat filtering pocket are divided by thin plastic strings, providing high rigidity of a pocket and creating necessary distance between pleats for pass of air.

The protective mesh is placed at outlet of the air from the filter. The similar mesh can be placed at inlet of air from the filter by request.

Filtering package and mesh are hermetised in a case by the special adhesive.

BASIC DIMENSION-TYPES

Filter type HEF-U	Dimensions, mm			Nominal air flow, m ³ /h at speed 0,45 m/s
	width	height	depth	
Э(*)0 05.1П	305	305	78	150
Э(*)05.1П	305	610	78	300
Э(*)06.1П	610	610	78	600
Э(*)002.1П	530	530	78	450
Э(*)004.1П	1130	530	78	900
Э(*)003.1П	1120	610	78	1200
Э(*)006.1П	610	915	78	900

(*) – digit, denoting filter class by EN 1822.

Filters of others types can be manufactured by request.

