

HEPA-/ULPA-FILTER PANELS – HP-14/UP-15/UP-16

KALTHOFF HEPA- and ULPA-Filter panels of filter classes H14, U15 and U16 are made of high quality filter media and spacers of thermoplastic adhesive constructed to a self-supporting pack with optimized pleating geometry. The filters are fitted with a fluid sealing to meet highest demands of tightness.

By variation of the pleating height Kalthoff can provide a customized performance. This is particularly important for cleanroom applications with their high pressure drop levels and their typical long-life cycles. Kalthoff HEPA-/ULPA-Filter panels offer low initial pressure drop and smooth pressure drop behaviour in operation.

Each Kalthoff filter panel of series 4.50 is provided with a both sided grid protection.

Each filter panel is single-tested per scan test and welded in plastics. All required technical data are labelled on the filters. A test certificate is enclosed to each delivery.



Standards (other dimensions upon request)

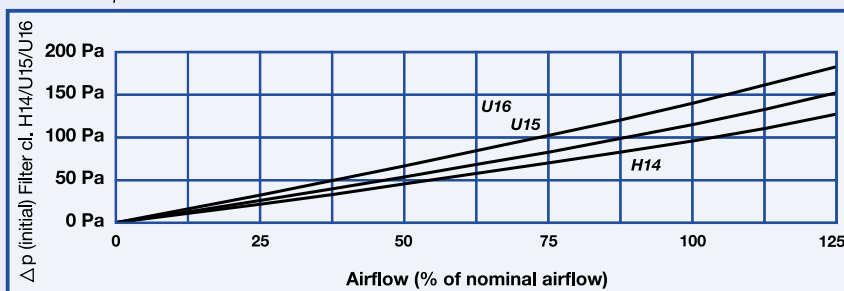
Casing material
Anodized aluminium profile with fluid channeling
Gasket
Silgel (standard) Biomedgel (optional)

Width [mm]	Height [mm]	Depth [mm]	Nominal airflow [m³/h]
305	305	105	150
305	610	105	300
457	457	105	340
535	535	105	465
835	535	105	725
1135	535	105	985
610	610	105	605
762	610	105	755
915	610	105	905
1220	610	105	1205
1525	610	105	1505
1830	610	105	1810
762	762	105	940
915	762	105	1130
1220	762	105	1505
1525	762	105	1880
1830	762	105	2260
915	915	105	1355
1220	915	105	1805
1135	1135	105	2085

Technical Data

Filter class acc. to EN 1822	H14	U15	U16
Nominal face velocity	0,45m/s	0,45m/s	0,45m/s
Efficiency (MPPS)	≥ 99,995 %	≥ 99,9995 %	≥ 99,99995 %
Initial pressure drop	95Pa	115Pa	140Pa
Final pressure drop (rec.)	400Pa	400Pa	400Pa
Max. operating temperature	80°C	80°C	80°C
Max. rel. humidity	80%	80%	80%
Inflammability acc. to DIN 53438	F1	F1	F1

Pressure drop vs. airflow



Subject to modification due to continuous improvement, Version 5/20

W 105 mm