

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.

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.

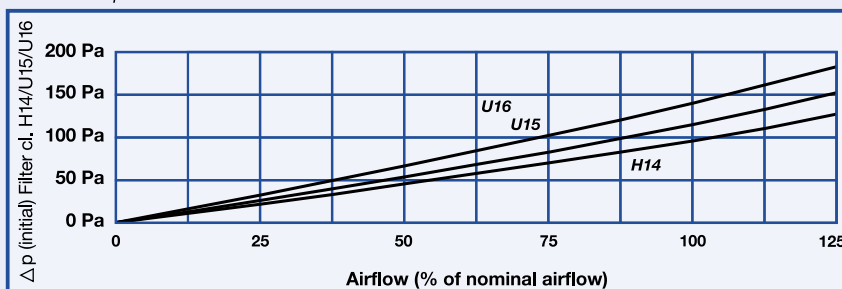


Casing material
Anodized aluminium profile
Gasket
Continuous foam gasket (standard) Flat profile gasket (optional)

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	95 Pa	115 Pa	140 Pa
Final pressure drop (rec.)	400 Pa	400 Pa	400 Pa
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



Standards (other dimensions upon request)

Width [mm]	Height [mm]	Depth [mm]	Nominal airflow [m³/h]
305	305	78	150
305	610	78	300
457	457	78	340
535	535	78	465
835	535	78	725
1135	535	78	985
610	610	78	605
762	610	78	755
915	610	78	905
1220	610	78	1205
1525	610	78	1505
1830	610	78	1810
762	762	78	940
915	762	78	1130
1220	762	78	1505
1525	762	78	1880
1830	762	78	2260
915	915	78	1355
1220	915	78	1805
1135	1135	78	2085

W 78 mm

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