

# HEPA-FILTER CELL – EV-11/HV-13/HV-14

Kalthoff HEPA-Filter cells are made of high quality microfibre paper with textile thread spacers. This V-shaped construction of self-supporting media packs with optimized pleating geometry is connected particle-tight to the frame. The installing position of the filter is not relevant for operation.

The enormous filter area is one of the main characters of this filter type. It is installed when highest airflow rates are needed (i. e. safe-change housings, filter casings).

Each filter panel of filter class H13 and better is single-tested according to EN 1822 and according to ISO 29463. All required technical data are labelled on the filter.



Casing material
MDF (standard)
Galvanized sheet steel (standard)
Stainless steel (material code 1.4301) (optional)
Gasket
Flat profile gasket (standard)
Continuous foam gasket (optional)
Grooved gasket (optional)
High temperature gasket (optional)

Standards (casing material: Galvanized/stainless steel)  
(other dimensions upon request)

Width [mm]	Height [mm]	Depth [mm]	standard nominal airflow [m³/h] (E11/H13)	increased nominal airflow [m³/h] (H13)	standard nominal airflow [m³/h] (H14)
203	610	292	1150	—	900
305	610	292	1700	2000	1500
610	610	292	3400	4000	3000
762	610	292	4250	5000	3600

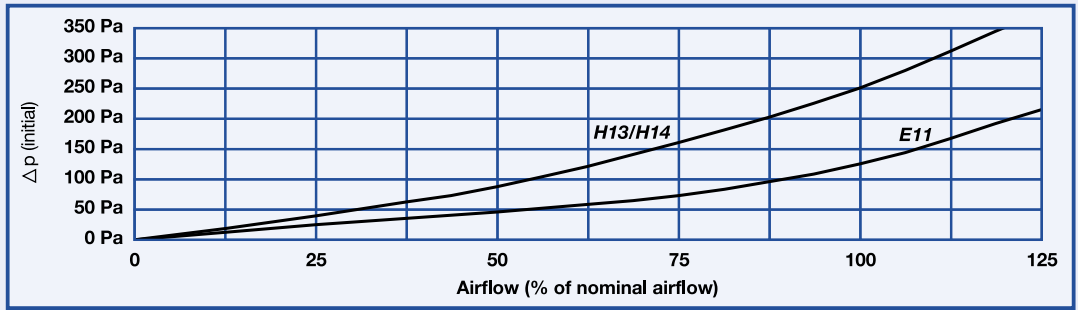
Technical Data

Filter class acc. to EN 1822	E11	H13	H14
Efficiency (MPPS)	≥ 95 %	≥ 99,95 %	≥ 99,995 %
Initial pressure drop	125 Pa	250 Pa	250 Pa
Final pressure drop (rec.)	400 Pa	500 Pa	500 Pa
Max. operating temperature	80 °C	80 °C	80 °C
Max. rel. humidity	80 %	80 %	80 %
Inflammability acc. to DIN 53438	F1	F1	F1

Standards (casing material: MDF)  
(other dimensions upon request)

Width [mm]	Height [mm]	Depth [mm]	standard nominal airflow [m³/h] (E11/H13)
305	610	292	1500
610	610	292	3000
762	610	292	3750

Pressure drop vs. airflow



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

W 292 mm