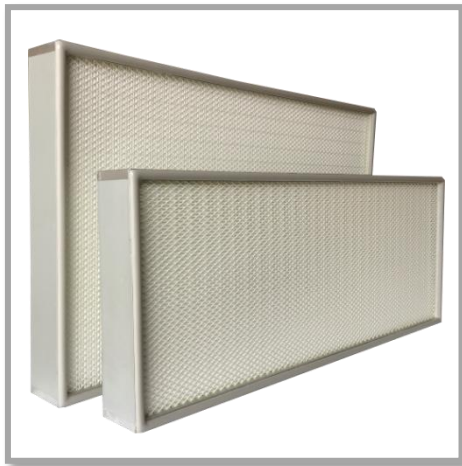


# GEL HEPA Laminar Flow Panels

## Grade: E11, H12-14 & U15



### GEL HEPA Laminar Flow Panels

#### Standard sizes and capacities

Size			Flow (m3/s)	Initial Pressure Drop (pa)				
H mm	W mm	D mm		E11	H12	H13	H14	U15
305	305	80	151	70	90	110	120	140
457	457	80	338	70	90	110	120	140
610	305	80	301	70	90	110	120	140
457	610	80	452	70	90	110	120	140
457	305	80	226	70	90	110	120	140
550	550	80	481	70	90	110	120	140
545	1155	80	1020	70	90	110	120	140
610	610	80	603	70	90	110	120	140
610	914	80	903	70	90	110	120	140
610	1220	80	1206	70	90	110	120	140
610	1524	80	1506	70	90	110	120	140
610	1829	80	1807	70	90	110	120	140
762	305	80	377	70	90	110	120	140
762	610	80	753	70	90	110	120	140
762	762	80	941	70	90	110	120	140
762	914	80	1128	70	90	110	120	140
762	1220	80	1505	70	90	110	120	140
762	1524	80	1881	70	90	110	120	140
762	1829	80	2258	70	90	110	120	140
914	305	80	452	70	90	110	120	140
914	610	80	903	70	90	110	120	140
914	914	80	1353	70	90	110	120	140
914	1219	80	1805	70	90	110	120	140
914	1524	80	2257	70	90	110	120	140
914	1829	80	2708	70	90	110	120	140

### Applications

Absolute (HEPA) filters are used in a wide range of applications such as clean rooms, operating theatres, research facilities, the electronic and micro-electronic industries, nuclear and pharmaceutical industries and high speed turbines.

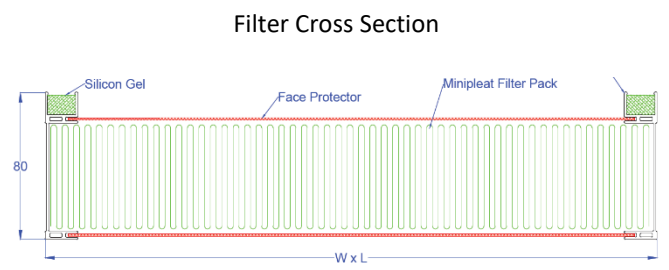
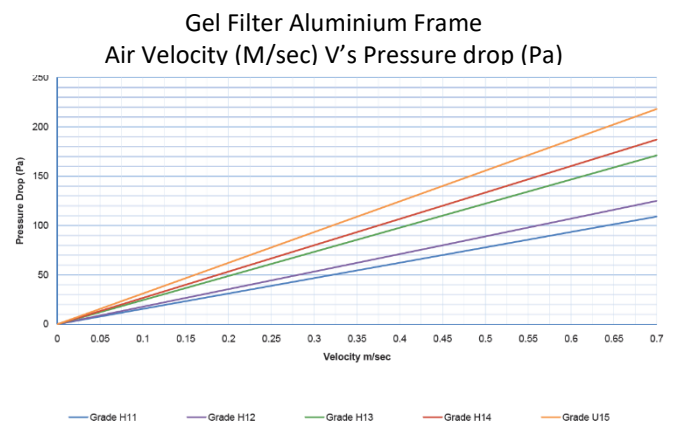
Clean Rooms tend to employ the narrow 146mm deep filter and utilise a lower face velocity in accordance with the relevant clean room standard requirements, thus providing a laminar air flow either across the work area or across the complete room depending upon the application.

### Construction

The filtration medium is provided by microfine glass fibres formed into a paper-like surface, supplied in various grades depending upon filtration efficiency required. The filter paper is formed into a close pleated package to provide a large surface area. Spacers of aluminium or hot melt are inserted between each pleat to provide support for the pleat and maximise the surface of the filtration medium.

### Technical Information

Grade	Overall Efficiency	Local Value Efficiency	Suggested for ISO 14644:1999
E11	95%	—	—
H12	99.5%	—	ISO Class 8
H13	99.95%	99.75%	ISO Class 6
H14	99.995%	99.975%	ISO Class 5
U15	99.9995%	99.9975%	ISO Class 4



In our constant endeavour to seek product improvement The Filter Business reserve the right to modify designs or materials without prior notice. E&OE