Product Technical Data Sheet
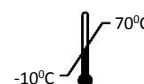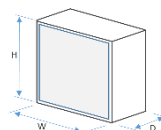
GVS FILTER TECHNOLOGY

Product Features

- ✓ Range of efficiencies from E10-U15
- ✓ Tested to EN1822:2009
- ✓ Extremely long service life.
- ✓ Glass fibre media with no fibre loss.
- ✓ Fully incinerable.
- ✓ Aluminium or steel cases available.
- ✓ Bespoke sizes made to order.
- ✓ Range of seal, grill and fitting options.

Product Group	Mini-pleat HEPA filters.
Product Type	HEPA panel filter with integrated grill.
Application	Operating theatres, opto/micro electronic manufacturing, pharmaceutical, aerospace, clean rooms, sterile packing areas and laminar/fume cupboards.
Filter Grades	E10,H12,H13,H14, U15
Filter Media	Low resistance, zero fibre loss glass fibre media.
Case Material	Aluminium extrusion, aluminium or galvanized steel
Sealant	Polyurethane
Grill	Plastic coated expanded steel – 90% open face.
Gasket/seal	EPDM or PU gel seal

Filter Grades Available

Grade	Efficiency @ MPPS *	Application
E10	>85%	For removal of smoke or very low grade cleanroom applications.
H11	>95%	Start of HEPA range – Not available.
H12	>99.5%	Lower grade cleanrooms
H13	>99.95%	Cleanrooms and industrial applications.
H14	>99.995%	Higher grade cleanrooms and industrial applications
U15	>99.9995%	Not often requested due to high resistance/energy consumption.

*MPPS – most penetrating particle size.

GVS manufacture a range of media with efficiencies above U15. Details available on request.

Product Technical Data Sheet

Case Styles and Depths Available

● Standard   ○ Optional

Case Type	HEPA Pleat Pack Type	Liquid Gasket	EPDM Seal(s)	Grills
'M' Aluminium 68mm	58mm Pack		○	○
'L' Aluminium 83mm (Liquid Gel Seal)	50mm Pack	●		○
'J' Aluminium 90mm	75mm Pack		○	○
'R' Aluminium 124mm	100mm Pack		○	○
'R' Aluminium 150mm	140mm Pack		○	○
'E' Galvanised Case - 30mm	21mm Pack		○	○
'F' Galvanised Case - 40mm	30mm Pack		○	○
'G' Galvanised Case - 50mm	40mm Pack		○	○
'K' Galvanised Case - 78mm	68mm Pack		○	○
'K' Galvanised Case - 100mm	90mm Pack		○	○
'R' Galvanised Case - 110mm	100mm Pack		○	○
'R' Galvanised Case - 117mm	107mm Pack		○	○
'G' Galvanised Case - 150mm	140mm Pack		○	○

Aluminium Extrusion

Aluminium Extrusion with Gel Seal

Galvanised Steel

Product Specification Data

Resistance vs. Face Velocity

1 – H10

2 – H11

3 – H12
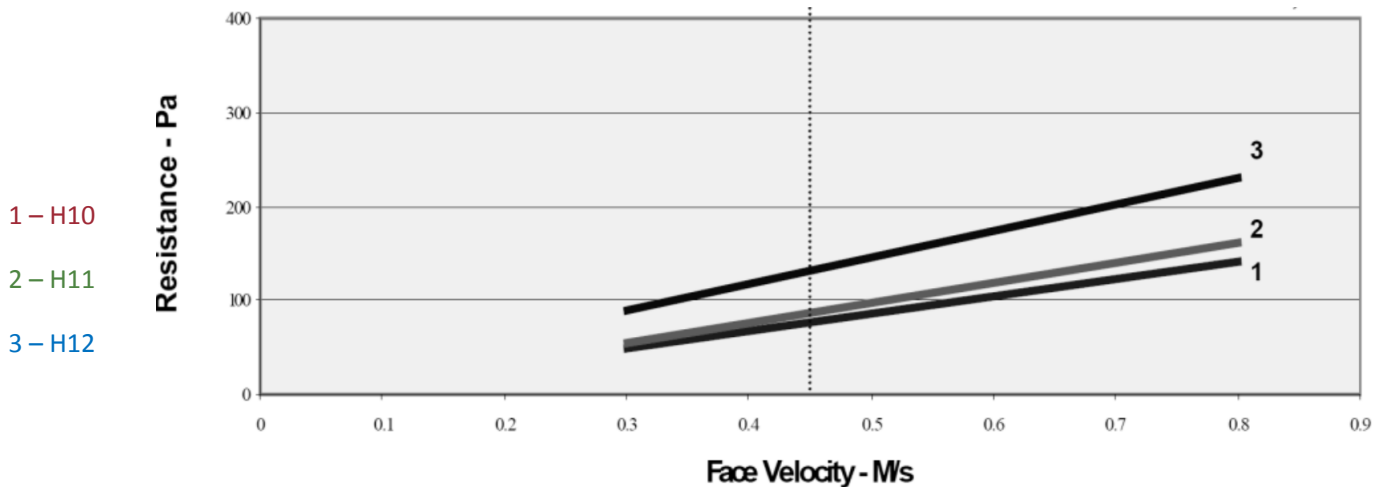
Product Technical Data Sheet

Product Specifications

Note: the below is a small sample of the products available.

Product	Description	Filter Grade	Size			Standard Rated Airflow	Initial Resistance a)	Recommended Final Resistance	Max Final Resistance	Media Area e)
		(EN779)	H	W	D	(m/s)	(Pa)	(Pa)	(Pa)	(SQM)
E8.GH.6000450030.D1.NX	Minipleat HEPA H13 Galv Case Grill Both Sides Gasket CAS	H13	600	450	030	0.45	150	500	800	4.8
G8.GH.6000340050.D1.DX	Minipleat HEPA H13 Galv Case Grill Both Sides Gasket Both Sides	H13	600	340	050	0.45	150	500	800	6.0
M9.EH.3050305068.D1.NX	Minipleat HEPA H14 Alum Ext Grill Both Sides Gasket CAS	H14	305	305	068	0.45	150	500	800	3.7
M9.EH.4570457068.D1.DX	Minipleat HEPA H14 Alum Ext Grill Both Sides Gasket Both Sides	H14	457	457	068	0.45	150	500	800	8.4
M8.EH.6000450068.D1.NX	Minipleat HEPA H13 Alum Ext Grill Both Sides Gasket CAS	H13	600	450	068	0.45	150	500	800	10.8
M9.EH.6101220068.D1.NX	Minipleat HEPA H14 Alum Ext Grill Both Sides Gasket CAS	H14	610	1220	068	0.45	150	500	800	29.8
M9.EH.6100610068.D1.RX	Minipleat HEPA H14 Alum Ext Grill Both Sides Gasket DAS	H14	610	610	068	0.45	150	500	800	14.9
M9.EH.6101272068.D1.RX	Minipleat HEPA H14 Alum Ext Grill Both Sides Gasket DAS	H14	610	1272	068	0.45	150	500	800	31.0
M9.EH.6101220068.D1.DX	Minipleat HEPA H14 Alum Ext Grill Both Sides Gasket Both Sides	H14	610	1220	068	0.45	150	500	800	29.8
M8.EH.6100610068.D1.RX	Minipleat HEPA H13 Alum Ext Grill Both Sides Gasket DAS	H13	610	610	068	0.45	150	500	800	14.9
L9.EH.6781200083.D1.TX	TC Minipleat H14 Alum Ext Grill Both Sides	H14	678	1200	083	0.45	150	500	800	39.7
K8.GH.6000450100.D1.NX	Minipleat HEPA H13 Galv Case Grill Both Sides Gasket CAS	H13	600	450	100	0.45	150	500	800	15.9
K9.GH.6000450100.D1.DX	Minipleat HEPA H14 Galv Case Grill Both Sides Gasket Both Sides	H14	600	450	100	0.45	150	500	800	15.9
R9.GH.3050305117.D1.DX	Minipleat HEPA H14 Galv Case Grill Both Sides Gasket Both Sides	H14	305	305	117	0.45	150	500	800	6.4
R9.EH.3050305150.D1.NX	Minipleat HEPA H14 Alum Ext Grill Both Sides Gasket CAS 120mm Pack 5 PPI	H14	305	305	150	0.45	150	500	800	8.2
R9.EH.3800380150.D1.DX	Minipleat HEPA H14 Alum Ext Grill Both Sides Gasket Both Sides 120mm Pack 5 PPI	H14	380	380	150	0.45	150	500	800	12.7

a) Tolerance +/- 15%. e) Tolerance +/- 10%.

CAS = Clean air side   DAS Dirty air side