

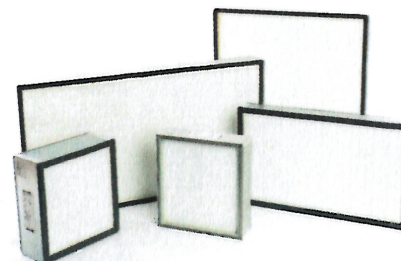
**Product PN** Mini Pleat Range Codes Beginning: A,E,F,G,J,K,L,M,O and R.

Mod. 984

**Description** Steel, Aluminium Cased Mini-pleat Panel Filters

Rev. 02

## Mini Pleat Filter Range



<b>PRODUCT DESCRIPTION</b>	Steel, Aluminium Cased Mini Panel Filters
<b>MANUFACTURER NAME</b>	<p>GVS Filter Technology UK  NFC House  Vickers industrial estate  Mellishaw Lane  Morecambe  Lancashire  LA3 3EN  United Kingdom</p> <p>Information:  Tel: +44 (0) 1524 847600  Fax: +44 (0) 1542 847800  Email: <a href="mailto:gvsuk@gvs.com">gvsuk@gvs.com</a></p>
<b>INTENDED USE / APPLICATION</b>	Clean rooms, Laboratory fume hoods, HVAC, Pharmaceutical processes and other clean air applications.
<b>MATERIALS</b>	<p><b>Filter media:</b> 85%/95%/99.5%/99.95%/99.995%/99.995 Glass microfibre media  <b>Frame/Housing:</b> Steel, aluminum  <b>Color:</b> Metallic  <b>Other insert(s):</b></p> <ul style="list-style-type: none"> <li>• Steel grilles</li> <li>• EPDM/neoprene gasket</li> <li>• PU</li> </ul>

# PRODUCT SPECIFICATION

Product PN Mini Pleat Range Codes Beginning: A,E,F,G,J,K,L,M,0 and R.

Mod. 984

Description Steel, Aluminium Cased Mini-pleat Panel Filters

Rev. 02

**PRODUCT CHARACTERISTIC**

Family

**F**8.AH.4960252040.D1.RX

A = Standard capacity ceiling module-special (non-standard pigot size)  
 E = Minipleat – 21mm Pack  
 F = Minipleat – 30mm Pack  
 G = Minipleat – 40mm Pack  
 J = Minipleat – 75mm Pack  
 K = Minipleat – 90mm Pack  
 L = Minipleat – 75mm Pack  
 M = Minipleat - 50mm Pack Std 68mm Extrusion.  
 0 = No pleat spacer  
 R = Minipleat – 100mm Pack

Efficiency of filter

**F**8.AH.4960252040.D1.RX

5 = 85%  
 6 = 95%  
 7 = 99.5%  
 8 = 99.95%  
 9 = 99.995%  
 U = 99.9995%

Frame construction

F8.**A**H.4960252040.D1.RX

E = Extrusion  
 G = Galvanised  
 A = Aluminium  
 X = stainless steel 304  
 Y = Stainless steel 316

# PRODUCT SPECIFICATION

Product PN Mini Pleat Range Codes Beginning: A,E,F,G,J,K,L,M,0 and R.

Mod. 984

Description Steel, Aluminium Cased Mini-pleat Panel Filters

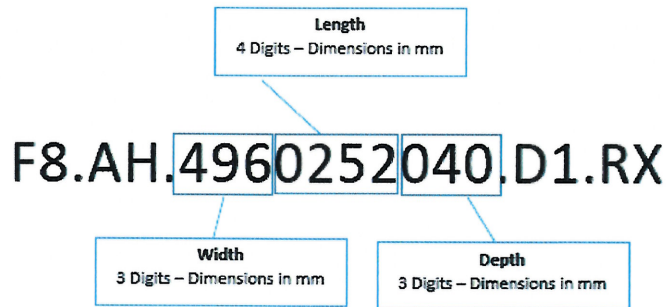
Rev. 02

Separators

F8.AH.4960252040.D1.RX

A = Aluminium  
K = Kraft  
H = Hot melt  
0 = No spacers

Dimensions



Grill location

F8.AH.4960252040.D1.RX

N = No grilles  
D = Double grilles  
C = Clean air side grille  
R = Dirty air side grille

Grill material

F8.AH.4960252040.D1.RX

1 = White coated mesh 1830x1250  
2 = Wide diamond mesh (white 70% open)  
3 = Galvanised mesh  
4 = Stainless steel mesh  
N = No grilles

# PRODUCT SPECIFICATION

**Product PN** Mini Pleat Range Codes Beginning: A,E,F,G,J,K,L,M,O and R.

Mod. 984

**Description** Steel, Aluminium Cased Mini-pleat Panel Filters

Rev. 02

	<p><b>Gasket</b></p> <p style="text-align: center; font-size: 1.2em;">F8.AH.4960252040.D1.<b>R</b>X</p> <div style="border: 1px solid blue; padding: 5px; margin: 10px auto; width: 80%;"> <p>N = Clean air side gasket – normal flow  R = Dirty air side gasket – reverse flow  D = Double gasket  P = One piece gasket  T = Liquid gel seal clean air side  L = Liquid gel seal dirty air side  X = No gaskets (Minus Gasket)</p> </div> <p><b>Extras</b></p> <p style="text-align: center; font-size: 1.2em;">F8.AH.4960252040.D1.<b>R</b>X</p> <div style="border: 1px solid blue; padding: 5px; margin: 10px auto; width: 80%;"> <p>A = Top handle  B = Side handle  C = Both sides handle  D = No handles  F = Flange  R = Rails  S = Special  X = No extras</p> </div> <p><b>Metal burrs admitted:</b> smaller than 1mm  <b>Operating temperature Range:</b> From 0°C to 40 °C  <b>Storage temperature Range:</b> From -30°C to 55 °C  <b>Sterility:</b> Manufactured in a controlled environment.  <b>Rate Air Flow Rate:</b> Specify: See label code.  <b>Pressure Drop:</b> Value for each efficiency at face velocity.  <b>Recommended Operating Lifetime</b> 2 years  <b>Shelf Lifetime:</b> 2 years  <b>Other:</b> Production efficiency scan test with certificate for 85%, 95%,99.5%, 99.95%, 99.995% and 99.9995% Variants.</p>
<p><b>APPLICABLE STANDARDS AND REGULATIONS</b></p>	<p>Quality management systems. Requirements - ISO 9001</p> <p>ROSH, directive 2011/65/EU</p> <p>Reach 1907/2006/CE (hazardous substances regulation)</p> <p>Free from Bisphenol-A (EC NO 321/2011)</p>

# PRODUCT SPECIFICATION

**Product PN** Mini Pleat Range Codes Beginning: A,E,F,G,J,K,L,M,O and R.

Mod. 984

**Description** Steel, Aluminium Cased Mini-pleat Panel Filters

Rev. 02

	Free from Perfluorooctane sulfonates (PFOS), Perfluorooctanoic acid (PFOA) (EC No 552/2009)
<p><b>PACKAGING AND LABELLING</b></p>	<p>The bar-code label is outside the box</p> <p>Each box is labelled with the following traceability information:</p> <ul style="list-style-type: none"> <li>✓ Quantity</li> <li>✓ Product description</li> <li>✓ Product date</li> <li>✓ Lot number (OL and 5 digit batch number to trace back to raw materials used)</li> <li>✓ Operator code</li> </ul> <p>Different lots on one pallet are separated closed and separately labeled</p>
<p><b>CERTIFICATE OF COMPLIANCE</b></p>	<p>Test certificate supplied with all filter 99.95% efficiency and above.</p> <p>The Quality Management system is in compliance with ISO 9001</p>
<p><b>VISUAL REQUIREMENTS</b></p>	<p>Visual acceptance requirements apply when inspected under below conditions:</p> <p>Magnification: Unaided eye at a distance of approximately 80-100cm.</p> <p>Illumination: Lighting level must be reasonable for visual detection i.e. 1000Lux</p> <p>Timings: Maximum inspection period per item 25s</p>

# PRODUCT SPECIFICATION

**Product PN** Mini Pleat Range Codes Beginning: A,E,F,G,J,K,L,M,0 and R.

Mod. 984

**Description** Steel, Aluminium Cased Mini-pleat Panel Filters

Rev. 02

	Acceptance Requirement	AQL	Sampling Plan
	Black particle contamination - embedded ( $\geq 0.3\text{mm}^2$ )	-	100% visual inspection
	Black particle contamination - loose ( $\geq 0.2\text{mm}^2$ )	-	
	Damaged/broken item	-	
	Deformation / Distortion	-	
	Excessive glue	-	
	Fibre contamination - Embedded	-	
	Glue lines fault	-	
	Glue Residue	-	
	Glue width out of spec	-	
	Glue air bubbles	-	
	Hole in mesh/media	-	
	Holes in pleat pack/seal	-	
	Incorrect raw material used	-	
	Internal damage	-	
	Media position fault	-	
	Oil/ Grease	-	
	Out of specification thickness	-	
	Pleat pitch out of specification	-	
	Pleat scratched/scuffed	-	
	Pleat twisted/deformed	-	
	Soft spot in glue	-	
	Surface damage	-	
	Too little glue	-	
	Torn	-	
	Uneven glue	-	
	Water contamination on surface	-	
	Wet material	-	
	White particle contamination - embedded	-	
	White particle contamination - loose	-	
	Damaged parts, deformations / sharp / rough edges..	-	
	Scratches / Scuffed	-	
	Water damage / Oxidisation	-	
	Crack	-	
	Damaged/broken item	-	
	Deformation / Distortion	-	
	Dimple Issues	-	
	Incorrect raw material used	-	
	Out of specification thickness	-	
	Scratches presence	-	

# PRODUCT SPECIFICATION

Product PN Mini Pleat Range Codes Beginning: A,E,F,G,J,K,L,M,O and R.

Mod. 984

Rev. 02

Description Steel, Aluminium Cased Mini-pleat Panel Filters

	Surface damage	-	100% visual inspection
	incorrect assembly sequence (Check all rivets are fitted correctly)	-	
	PU/Adhesive seal fault	-	
	Wrong artwork / printing (Label - fitted in correct locations as per technical drawing)	-	
	Wrong artwork / printing (Label - fitted in correct In correct orientation as per technical drawing)	-	
	Wrong artwork / printing (Label - signed where necessary)	-	

<b>PERFORMANCE REQUIREMENTS</b>	Acceptance Requirement		AQL	Sampling Plan
	Length	Dimensional	2.5	ISO 2859 Part 1 Inspection level Special 3
	Width	Dimensional	2.5	
	Height	Dimensional	2.5	
	Functional	efficiency scan 99.95% and above	-	100%

This material specification describes the properties of product above indicated.  
 This document contains general requirements, material description, drawing references, defect specification, biological material requirements.

# PRODUCT SPECIFICATION



**Product PN** Mini Pleat Range Codes Beginning: A,E,F,G,J,K,L,M,0 and R.

Mod. 984

**Description** Steel, Aluminium Cased Mini-pleat Panel Filters

Rev. 02

**REVISIONS AND APPROVALS:**

DATE	REV.	REASON FOR CHANGE	ISSUED AND CONTROLLED BY: (name /function and signature)	APPROVED BY: (name /function and signature)
24/01/2017	0	First Issue	Peter Diggles Design Engineer 	Rebecca Law Quality Manager 

**Customer Approval:**

We accept this material specification as a part of the agreed terms of delivery

Company name \_\_\_\_\_

Approved by: \_\_\_\_\_  
 (Name, Function) (Signature)

Date \_\_\_\_\_  
 (Company stamp)

Please send back this document signed for approval. If we will not receive this specification signed, we consider the first order placed as implicit approval.