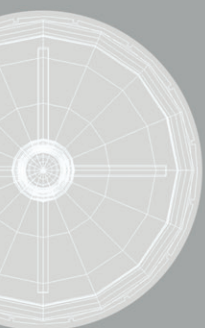


Filter devices from

**Helapet**

A CliniMed® Group Company



## turning concepts into reality

### Introduction to Helapet

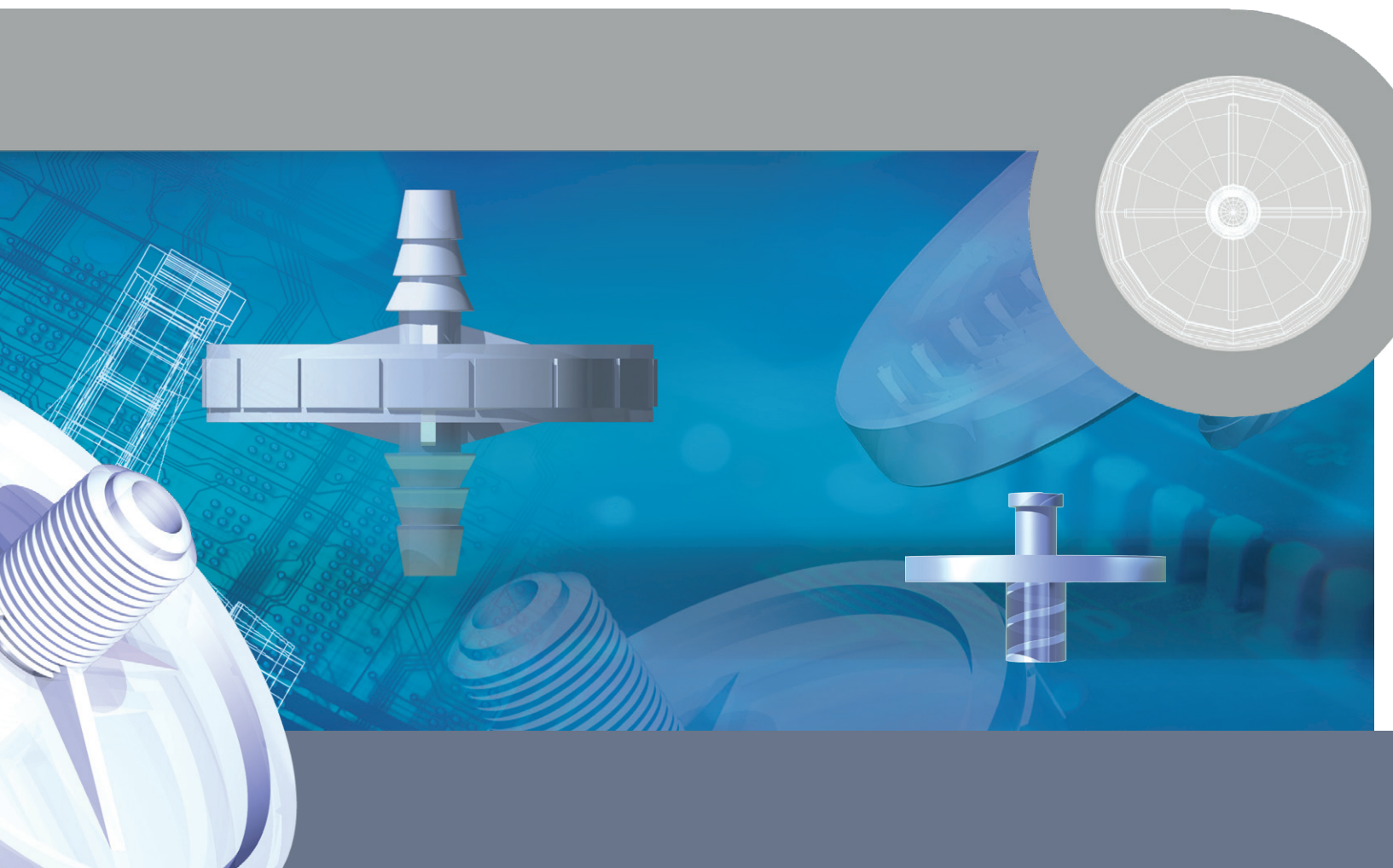
When you require something special Helapet offers unrivalled flexibility in developing and manufacturing filter devices both as off-the-shelf products or custom made specials. We provide filters suitable for a range of applications across a wide variety of industries including pharmaceutical, electronics, food and beverage, chemical and industrial.

Our efficient processes enable us to respond quickly both to initial enquiries and orders. From enquiry to delivery - nobody does it quicker. Holding stock ensures all orders can be dispatched on the day of receipt for next day allowing you the benefits of reduced stock holding.

All our filter housing is made using virgin polypropylene, the first choice for chemical compatibility and durability. Our filters can be sterilized by autoclaving, gamma irradiation or Eto (media dependant).

### Our innovative set up enables us to offer you:

- Fast turnaround times - both for samples and production
- Individually designed to your specification
- Traceability by lot
- Low volumes at competitive prices -100s, 1000s, 10,000s



# filter media

Access to a wide range of media in a variety of pore sizes ensures we are able to offer you the right filter for your requirements. Whether you need to remove particulate from liquids or gases or are looking to sterilize liquids we can supply the appropriate media.

## OEM Filters

If our off-the-shelf product range does not meet your specific requirements, then with our access to an extensive range of connectors and media we are able to design and manufacture a product to meet your requirements. Whatever your requirements we can investigate and advise accordingly. Our experienced

design engineering team can transform a simple sketch into final product drawings. Should you wish to have your filters individually printed and packed or if you'd prefer bulk packed we can accommodate you.

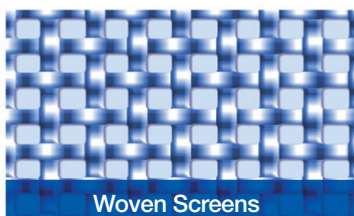
## Filter Media:

Utilizing the latest technology avoids the use of adhesives.

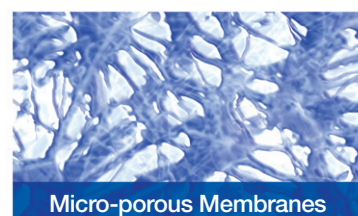
- Depth media – useful for the removal of particles in liquids and gases
- Woven screens – ideal for removal of large particles often with broad chemical compatibility
- Micro-porous membranes – ideal for clarification and sterilization



Depth Media



Woven Screens

















Micro-porous Membranes

## Examples of filter media

	Description	Typical Applications	Example
PTFE (POLYTETRAFLUOROETHYLENE)	Naturally hydrophobic membrane with superior chemical and temperature resistance	<ul style="list-style-type: none"> <li>i) Venting (sterile isolation)</li> <li>ii) In Line Filtration for air/gas/liquid</li> <li>iii) Isolation (gas pass, liquids/aerosols stopped)</li> </ul>	<ul style="list-style-type: none"> <li>• Vent filling vessel</li> <li>• Vent mixing vessel</li> <li>• Vent holding vessel</li> <li>• Vent fermentation vessel</li> <li>• Air/gas/liquid streams; sterilise or particle removal, air/gas stream; liquid aerosol removed</li> <li>• Liquid streams; degass clarify, sterilise</li> <li>• Isolation of gases or vents for autoclaves, incubators, lyophilizers or Eto Sterilizers.</li> <li>• Isolation of exhaust from fermentors</li> </ul>
GMF HEPA RATED MEDIA/ GMF ULPA RATED MEDIA	Variety of air and gas filtration applications where high dirt holding capacity and/or high flow rates are required. Laminated to prevent shedding and treated to be mildly hydrophobic. 99.97% retention of > 0.3um particles (HEPA) and 99.99% at > 0.1um (ULPA)	<ul style="list-style-type: none"> <li>i) Respiratory filters, pre-filters for suction, insufflation filters, gas line filters (CPB)</li> <li>ii) Particle counters, autoclaves, Incubators</li> </ul>	<ul style="list-style-type: none"> <li>• Respiratory filters for dust, bacteria and lint filtration during mechanical ventilation and CPAP applications</li> <li>• Oxygen concentrator final patient filters</li> <li>• Oxygen concentrator carbon removal filters</li> <li>• Insufflation filters</li> </ul>
PES (POLYETHERSULPHONE) FILTER MEDIA	Inherently hydrophilic, total bacterial retention, high flow rates, low protein binding	<ul style="list-style-type: none"> <li>i) Admixtures, buffer solutions, WFI, tissue culture, serum</li> <li>ii) Food and beverages</li> <li>iii) Point of use sterile water for irrigation and rinsing</li> </ul>	<ul style="list-style-type: none"> <li>• Dental</li> <li>• Operating theatres, Resuscitation units, Intensive care units, Haematology department, Neonatal care departments</li> <li>• Immuno-suppression units</li> </ul>
NYLON FILTER MEDIA	Hydrophilic membrane with high tensile strength. Very high flow rates, long life and low extractables. Offer excellent chemical compatibility/resistance	<ul style="list-style-type: none"> <li>i) Semiconductor water, chemicals, salt solutions, HPLC sample filtration</li> <li>ii) Beverages</li> <li>iii) Particle counting solutions</li> </ul>	<ul style="list-style-type: none"> <li>• Buffer solutions</li> <li>• Biological solutions</li> <li>• Environmental water samples</li> <li>• Tissue culture</li> </ul>

## broad range of connectors

Style	Connectors		Size	Housing				Media			Printing	Batch Trace
	Inlet	Outlet		PP	PTFE	Nylon	WPE	Stainless steel	HEPA/ULPA			
	FLL	MSL	25mm	✓	✓	✓	✓	✓	✓	✓	✓	
	FLL	MLL	25mm	✓	✓	✓	✓	✓	✓	✓	✓	
	3/16" barb	3/16" barb	25mm	✓	✓	✓	✓	✓	✓	✓	✓	
	MLL	MLL	25mm	✓	✓	✓	✓	✓	✓	✓	✓	
	MSL	MSL	25mm	✓	✓	✓	✓	✓	✓	✓	✓	
	FLL	FLL	25mm	✓	✓	✓	✓	✓	✓	✓	✓	
	1/4" SB	1/4" SB	50mm	✓	✓	✓	✓	✓	✓	✓	✓	
	1/8" NPT	1/8" NPT	50mm	✓	✓	✓	✓	✓	✓	✓	✓	
	3/16" barb	3/16" barb	50mm	✓	✓	✓	✓	✓	✓	✓	✓	
	1/8" NPT	Flush	50mm	✓	✓	✓	✓	✓	✓	✓	✓	
	5/16" thread	5/16" thread	50mm	✓	✓	✓	✓	✓	✓	✓	✓	
	1/8" BSPT	1/8" BSPT	50mm	✓	✓	✓	✓	✓	✓	✓	✓	
	FLL	3/16" barb	50mm	✓	✓	✓	✓	✓	✓	✓	✓	
	FLL	1/4" SB	50mm	✓	✓	✓	✓	✓	✓	✓	✓	
?	Any of the above		50mm	✓	✓	✓	✓	✓	✓	✓	✓	

25mm devices – tested up to 90psi as standard – higher ratings available

50mm devices – tested up to 60psi as standard

### Jaco nuts are available with thread connectors

Whether you are looking at a product for the R&D stage of your projects to facilitate evaluation work or as a production unit Helapet can offer you the right solution.

## standard filters

Available in both 25mm and 50mm presentations with HEPA or 0.2um PTFE, IsoVent filters offer protection to airline systems from contamination.

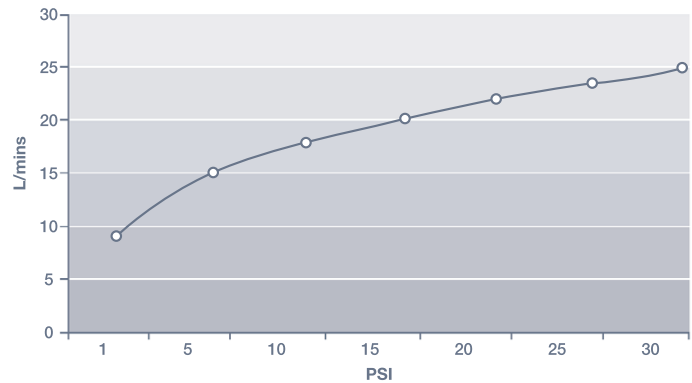
IsoVent filters can either be connected to the outlet side of a vessel to enable clean air to pass through the filter or used as an inline filter to remove particles greater than 0.3um from the air stream.



## jet-ink

Jet-ink, available in three presentations offers an economical alternative for industrial ink jet filtration.

Air Flow Rate for 0.45 P.T.F.E 50mm (1/4" SB) Inlet and Outlet



## vacudisk

Protecting equipment and patients from contamination is extremely important. Using Vacudisk ensures this can be done both effectively and economically.

Available as a 50mm device, Vacudisk offers protection to vacuum pumps and suction systems from fluid and aerosol contamination.

Filter by type	Brand	Code	Size	Media	Connectors		Housing	Pack size
					Inlet	Outlet		
Air/Gas	Isovent	FH0315	25mm	0.2um PTFE	FLL	MSL	PP	50pcs
		FH0371	25mm	HEPA	3/16" Stepped barb	3/16" Stepped barb		50pcs
		FH0555	50mm	0.2um PTFE	1/4" Stepped barb	1/4" Stepped barb		20pcs
		FH0595	50mm	HEPA	1/8" NPT	1/8" NPT		20pcs
		FH1551	50mm	HEPA	1/4" Stepped barb	1/4" Stepped barb		20pcs
		FH5581	50mm	HEPA	3/16" Stepped barb	3/16" Stepped barb		20pcs
	Insufflation*	FH5073	25mm	HGF	3/16" Stepped barb+tube	3/16" Stepped barb		50pcs
Liquid	Vacudisk	FH8555	50mm	0.45um PTFE	1/4" Stepped barb	1/4" Stepped barb	PP	50pcs
	Isodisk	FH7312	25mm	0.2um Nylon	FLL	MSL		50pcs
		FH7316	25mm	0.45um PES	FLL	MSL		50pcs
	Jet-Ink	FH3597	50mm	40um WPE	1/8" NPT	1/8" NPT		20pcs
		FH6800	Capsule	-	-	-		20pcs
		FH6997	Capsule	10um WPE	-	-		20pcs

\* For example sigmoidoscopy

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