



Filter devices

Air | Gas | Liquid
The art of filtration tailored to your needs

catalogue



a division of
Helapet

A CliniMed® Group Company

Custom Filters designed to your needs

Enhance your filter solution from a range of customised options by selecting your bespoke media, connections and printing.

Let’s build your filter

Connectors

Barb Type



Stepped Hose Barb
for 4 - 6mm (3/16" - 1/4")
I.D. tubing



Stepped Hose Barb
for 4mm (3/16") I.D. tubing.
Accepts Male Slip Luer.



Stepped Hose Barb
for 6 - 10mm (1/4" - 3/8")
I.D. Accepts Male Slip Luer.



Stepped Barb
for 9 - 12mm (3/8" - 1/2")
I.D. tubing

Luer Type



Female Luer Lock (FLL)



Male Luer Lock (MLL)



Male Slip Luer (MSL)

Other Types



1/8" Male National
Pipe Thread



1/4" Male National
Pipe Thread

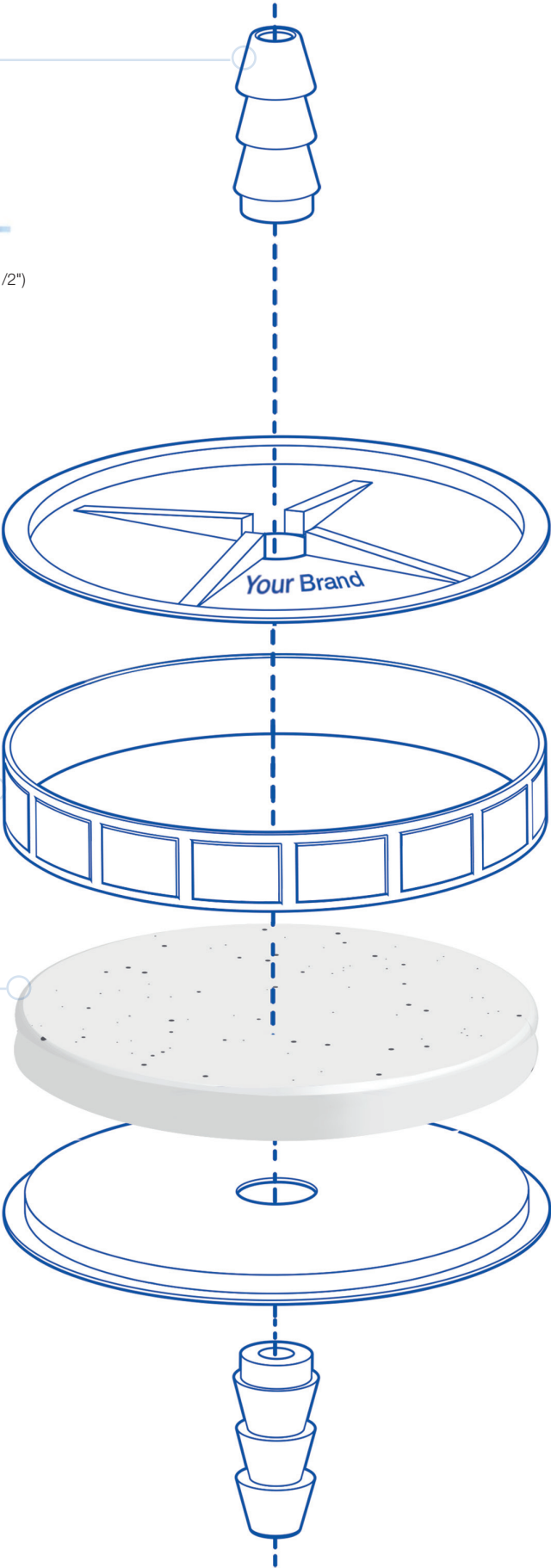
Housing

All of our 25mm & 50mm filter housings are manufactured using FDA approved virgin Borealis polypropylene (USP Class 6). The first choice for chemical compatibility and durability.

Media

Depth Media	Membrane	Screen
Carbon An activated media design for odour removal.	PTFE Hydrophobic micro-porous media to resist moisture in gas and air	WPE Providing filtration for liquids and ink, ideal for large particle removal
GMF Glass micro fibre	PES Hydrophilic media with total bacterial retention and allows a high flow rate.	Nylon High flow rates due to strong tensile strength
HEPA High efficiency particulate rating of 85% to 99.95% ≥ 0.3µm	Polypropylene Optimal thermal properties ensuring high temperature operation	Stainless Steel Providing 10µm - 100µm filtration for ink
ULPA Ideal for ensuring bacteria retention		

Other filter sizes available subject to minimum order quantities.



Vari-Disk® Service

Giving you more than just a filter

Helapet strive to introduce more added value to our filtration products, using consultancy based manufacturing to exceed customer expectations.

Testing and validation

- ✓ Bubble point tested
- ✓ Clean pressure drop
- ✓ Water-entry-pressure
- ✓ Media integrity
- ✓ Flow rate
- ✓ Pressure testing

Printing

Customise the way your filter looks using our tamper print technology to add your very own company logo, brand, or information.

Sterilisation

Each filter device can be supplied non-sterile or ETO sterilised.

In-process consultancy

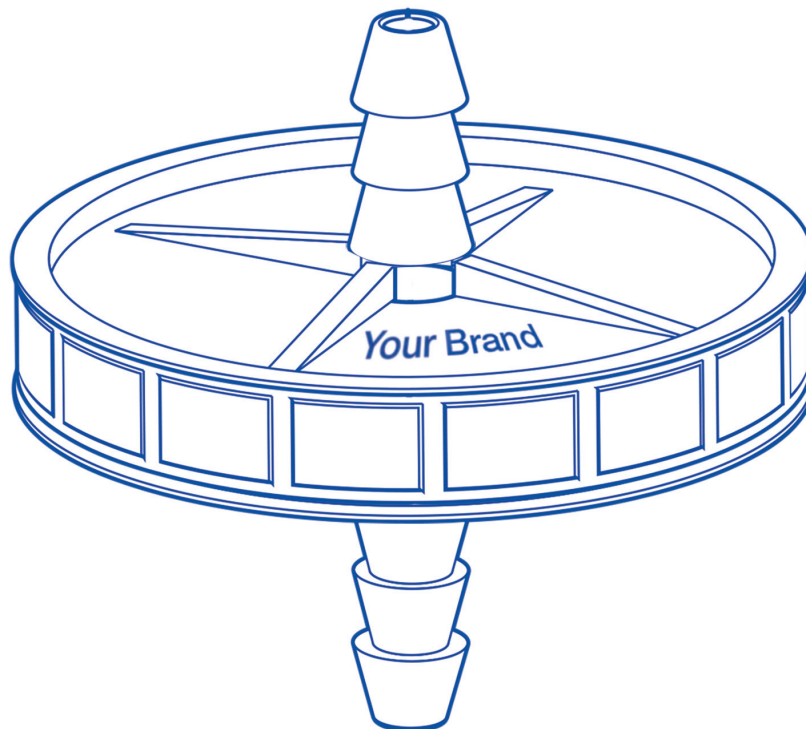
Our dedicated Filter Specialist works closely with you, using CAD software packages to produce design visuals for approval.

Sampling

Try before you buy with free manufactured samples direct from your own design process.

Traceability

Etched LOT numbers directly onto our filters record traceability across all our quality process controls.



Made in Britain

Helapet is accredited to ISO 13485, working to the highest level of in-process quality controls and monitoring for all our filter components. Our customised service allows us to produce low volumes at competitive prices with low minimum order quantity, providing individual component packing in a class 10,000 rated cleanroom production area.

To guarantee the performance of our filters, we use the latest injection moulding technology to form the connections and over moulding to seal the housing. State of the art ultrasonic welding enables our media to be secured without the use of chemicals, ensuring the filtrate enters the media avoiding potential problems with bypass.



Autoclave Filters

Our autoclave filters allow for sterile air to transfer in and out of an autoclave during the drying process.

Key Features

- Hydrophobic sterile rated filters
- Bi-directional flow
- Ideal for air or gas filtration

Materials

- 0.3µm HEPA media or 0.2µm PTFE available on request
- 50mm filter
- Overmould housing manufactured with Borealis polypropylene – (FDA approved material, USP class 6)
- Straight, stepped or cut flushed connector options

Testing available on request

- Clean pressure drop
- Water-entry-pressure
- Flow rate
- Burst integrity testing
- Pressure testing

Standard Products

Order	Product Name	Size	Sales Unit
FH1551	IsoDisk® filter, 0.3µm HEPA 1/4" stepped barb	50mm	20 pcs/pck
FH5581	IsoDisk® filter, 0.3µm HEPA 3/16" barb	50mm	20 pcs/pck
FH25101	IsoDisk® filter, 0.3µm HEPA 1/8" BSPT cut flush	50mm	20 pcs/pck



Pipette Controller Filters

Our range of pipette controller filters are designed to universally fit pipette controllers, commonly used in cleanroom environments and laboratories where control of potential cross contamination is a high priority.

Key Features

- High particle retention due to natural hydrophobic PTFE micron rating
- Avoiding contamination in critical applications
- Allowing the ingress of sterile air whilst transferring fluids
- Produced to ISO 13485 ensuring you receive a quality product

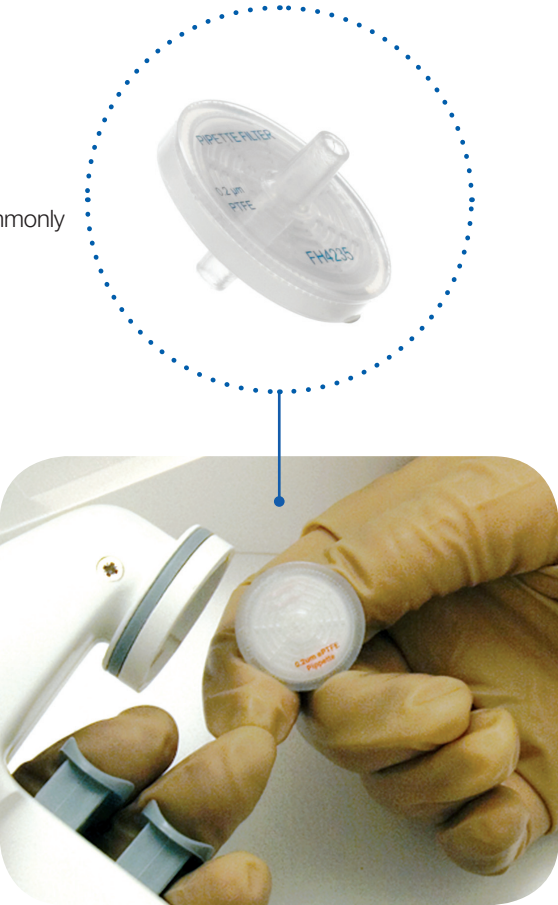
Materials

- 0.2µm and 0.45µm PTFE Media
- 24mm ultrasonic welded
- Manufactured with Borealis polypropylene - (FDA approved material, USP class 6)
- Inlet and outlet Male Slip Luer as standard

Testing available on request

- Bubble point tested
- Clean pressure drop
- Water-entry-pressure
- Media integrity
- Flow rate
- Pressure testing

Order	Product Name	Size	Sales Unit
FH4235	0.2 µm PTFE MSL/MSL	24mm	50 pcs/pk
FH4335	0.45 µm PTFE MSL/MSL	24mm	50 pcs/pk



Vacuum Pump Filters

Vacuum pump filters are designed for vacuum suction devices for use with patients protecting the instrument against contamination.

Key Features

- Tested to withstand up to 50psi
- Produces a strong particle retention due to 0.45µm PTFE media
- Exclusively made for vacuum suction devices

Materials

- 0.45µm PTFE media
- 50mm filter
- Overmould housing manufactured with Borealis polypropylene - (FDA approved material, USP class 6)
- Stepped barb connectors

Testing available on request

- Bubble point tested
- Clean pressure drop
- Water-entry-pressure
- Media integrity
- Flow rate
- Burst integrity testing
- Pressure testing

Order	Product Name	Size	Sales Unit
FH8555	VacuDisk®, 0.45 µm PTFE 1/4" hose barb connectors	50mm	20 pcs/pck



CO₂ Incubator Filters

The sterilisation of gas and air is one of the most important processes for preventing damage to detectors and invalidating tests. CO₂ incubator filters from Helapet are available using PTFE media producing a safe sterile rating, allowing the filter to resist aggressive substances.

Key Features

- PTFE is naturally hydrophobic to resist moisture in air and gas
- Tested to withstand up to 50psi

Materials

- 0.2µm PTFE media or 0.1µm PTFE available on request
- 50mm filter
- Overmould housing manufactured with Borealis polypropylene - (FDA approved material, USP class 6)
- Stepped barb, or 1/8" National Pipe Thread (NPT) connectors

Testing available on request

- Bubble point tested
- Clean pressure drop
- Water-entry-pressure
- Media integrity
- Flow rate
- Burst integrity testing
- Pressure testing

Order	Product Name	Size	Sales Unit
FH0595	IsoVent® filter, 0.2 µm PTFE 1/8" NPT	50mm	20 pcs/pck
FH0555	IsoVent® filter, 0.2 µm PTFE 1/4" stepped barb	50mm	20 pcs/pck



Gas Analyser Filters

Protecting sensitive equipment from the ingress of particulates and moisture is an increasing challenge. Gas analyser filters use a high performance media membrane for high moisture retention whilst ensuring optimum flow rates.

Key Features

- Tested to withstand up to 80psi
- Strong particle retention due to natural hydrophobic PTFE micron rating
- Ensuring safety of sensitive electronics whilst maximising flow rates
- Ideal for gas analysers, pneumatics and moisture sensitive equipment

Materials

- 1.0µm PTFE media or 0.3µm HEPA available on request
- 25mm and 50mm filter
- Manufactured with Borealis polypropylene – (FDA approved material, USP class 6)
- Hose barb connectors accomodating 4-10mm tubing

Testing available on request

- Bubble point tested
- Clean pressure drop
- Water-entry-pressure
- Media integrity
- Flow rate
- Burst integrity testing
- Pressure testing

Order	Product Name	Size	Sales Unit
FH0371	IsoDisk® filter, 0.3µm HEPA 3/16" hose barb	25mm	50 pcs/pck
FH3375	IsoGuard® filter, 1.0 µm PTFE, 3/16" hose barb	25mm	50 pcs/pck
FH3575	IsoGuard® filter, 1.0 µm PTFE, 3/16" hose barb	50mm	20 pcs/pck
FH3555	IsoGuard® filter, 1.0 µm PTFE, 1/4" hose barb	50mm	20 pcs/pck

Each IsoGuard® in-line filter uses a high performance 1.0µm PTFE membrane allowing for accurate moisture retention.



Ink-Jet Filters

Ink-jet filters allow for even distribution of ink ensuring high print quality whilst protecting against particulates which could damage the printer's operation.

Key Features

- Tested to withstand up to 50psi
- Wide range of micron options available on request
- Jaco connectors

Materials

- WPE/ Stainless Steel / PTFE media / Polypropylene
- Various micron size filters (1µm, 10µm, 20µm, 40µm, 100µm)
- 25mm and 50mm filters are manufactured with Borealis polypropylene – (FDA approved material, USP class 6)
- Spun welded capsules also available
- Jaco connectors, NPT, and FLL connector options

Testing available on request

- Bubble point tested
- Clean pressure drop
- Water-entry-pressure
- Media integrity
- Flow rate
- Burst integrity testing
- Pressure testing

Order	Product Name	Size	Sales Unit
FH3597	Jet-Ink® filter, 40 µm WPE 1/8" NPT + Jaco	50mm	20 pcs/pck

Jaco connectors are available with thread connectors

Whether you are looking at a product for the research and development stage to facilitate evaluation or as a production unit, Helapet can offer you the correct solution to your needs.



Your Filter Engineer is...




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With over 30 years of specialist experience, Helapet Limited is a reputable supplier of quality filtration products to the medical, environmental, laboratory and print industries.

Helapet deliver a diverse and innovative range of its sterile and non sterile filter devices, supporting critical activities across the globe in several industry sectors. Certified to ISO13485:2003 standards, Helapet takes pride in offering exceptional service in accordance with our client requirements.

Helapet is a member of the respected CliniMed® Group, consistently applying its vast wealth of knowledge and expertise to the fulfilment of our customer needs and standards.

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