





# GPE Scientific Limited Corporate Brochure 2024

-  Chemistry
-  Life Science
-  Sustainable Solutions
-  Laboratory Builds

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## 60+ Years of Scientific Excellence

GPE Scientific is a leading manufacturer and distributor of Chemistry and Life Science laboratory equipment, including our energy-efficient Sustainable Solutions portfolio and specialised glass components for the industrial, laboratory and research markets.

We own and manufacture the J Young® range of research products including the J Young® NMR valves and high vacuum greaseless stopcocks. Our team of highly experienced scientific glassblowers can produce customized glassware to your requirements.

We provide anything from small-scale consumables and solutions to complete laboratory builds, where our team of scientific applications specialists put your science at the heart of the lab design.

### Your Science is at the Heart of our Solutions

**We work from the science backwards** - our team of highly trained applications specialists are on hand to help you maximise your scientific processes.

**We're not just a catalogue vendor** - we pride ourselves in our pre and post-purchase support to guarantee that your equipment works perfectly.

**The best of the best** - we partner with world-leading brands, often exclusively, to offer the highest quality equipment across the UK & Ireland.



# Chemistry

## Filter Reactors

Jacketed Systems available up to 65L

**CG-1959**



Our Jacketed Filter Reactors can be used for single or multi-step reactions and filtrations in the same vessel, production and process scale peptide synthesis. Filter base eliminates material transfers and significantly reduces losses.

Complete reactor system on our NEW open air, autocenter stand. 150°C Max. Temp. Limit for Filter Base.

Please Note: Filter Reactors are for Vacuum/Gravity Filtration Use Only

### Example Specifications: (More Sizes, Configurations & Custom Solutions Available)

**1L/2L** - Process Filter Reactor, Complete, Electric Motor.

**10L/20L** - Process Filter Reactor, Complete, Electric Motor, Height w/ motor: 74", Clearance below Valve: 19.4" (Jacketed or Unjacketed)

## Process Reactors

Including NEW Jacketed 150L Model

**CG-1968**



The Jacketed Process Reactors from Chemglass have a range of sizes from 10L to 150L.

The improved support clamp auto-centers the reactor and lid allows quick installation/removal of reactor vessel.

The reactors can come with either an electric or air motor and have a variety of components and accessories which can be customised to suit your requirements.

**10L** - Process Reactor, Complete, Air Motor, Height w/ motor: 67" Clearance below Valve: 15.3", with Manifold w/ M16 circulator fittings.

**20L** - Process Reactor, Complete, Air Motor, Height w/ motor: 67", Clearance below Valve: 15.3"

**50L** - Process Reactor, Complete, Air Motor, Height w/ motor: 90.8", Clearance below Valve: 16.2"

**150L** - Process Reactor, Complete, Electric Motor, Height w/ motor: 100.1", Clearance below Valve: 16.2"

## Benchtop Reactors ChemRXNHub™ Systems

**CG-1949-X**



The ChemRXNHub™ process systems are complete with benchtop stand, overhead stirrer and glassware.

Ranging from 300ml to 5L vessels.

Available with optional manifold connection and heat transfer fluid draining system.

The unique design of the ChemRXNHub™ support stand and clamping system allow for quick and easy installation/removal of glassware.

Fits into a large variety of benchtop hoods.

**300ml** - ChemRXNHub™ Process System, Complete w/ glassware and stand, digital overhead stirrer.

**500ml** - ChemRXNHub™ Process System, Complete w/ glassware and stand, manifold/drain system, digital overhead stirrer.

**2L** - ChemRXNHub™ Process System, Complete w/ glassware and stand, manifold/drain system, OHS 100 Advance Motor.

**5L** - ChemRXNHub™ Process System, Complete w/ glassware and stand, manifold/drain system, digital overhead stirrer.



## "Squatty" Low-Form Reactor Systems

**CG-1968-W**

Available in 50L & 100L Models

Complete Squatty Reactor System Features:

**More Clearance:** Squatty Glass Reactor Systems provide greater clearance below the drain valve

**Wider Access:** 400mm I.D. Flange provides wider access for insertion of probes, baffles and other accessories without interfering with agitators.

**Heavy Duty:** 2" Diameter solid stainless steel uprights and heavy duty PTFE coated aluminium fittings provide maximum strength & chemical durability.

**Digital Temperature Monitor**

**Versatile Chemically Resistant Frame:** Universal motor mount for electric, air or XP motors. Design provides greater accessibility.



## Multi ChemRXNHub™ Reactor Stands

**CG-1949-X DUAL**

**CG-1949-X TRIPLE**



This unique stationary reactor stand is designed to fit into a vast range of benchtop hoods.

The stand provides support for the reaction vessel(s), glassware, overhead stirring motor and temperature monitor. Unique design allows easy removal/installation of the glassware.

Includes a removable spill tray.

## Reactor Accessories



**CG-1968-A-01**



**CG-1968-B**



**Zero Dead Space Valve**

**CG-1968-Q**

# Mettler Toledo RX10 Reactor Control

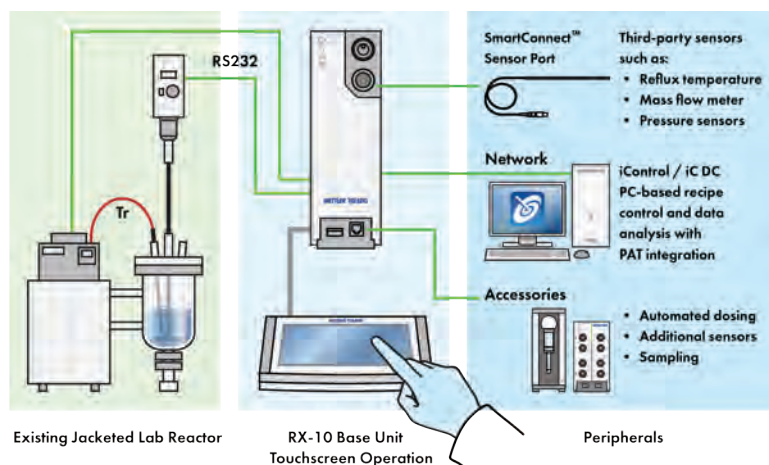
METTLER TOLEDO

The RX-10 provides an interface connecting any type and volume of jacketed reactors to thermostats, cryostats, stirrer motors and sensors. This allows researchers to precisely control and monitor chemical reactions & processes in the laboratory.

The intuitive touchscreen automates a wide range of unit operations, such as heating, cooling, dosing, pH measurements & sampling.

For more demanding processes, control capabilities can be extended using the computer-based iControl software which offers programmable reaction sequences, including parallel parameter control. This facilitates process scale-down/scale-up with realistic conditions, remote monitoring, reporting, and seamless integration with Process Analytical Technology (PAT) tools.

By offering repeatable controlled conditions for dosing, PH, or temperature profiles, RX-10 enables improvements in yield, selectivity & product quality.





## **PRESTO** Dynamic Temperature Control Units

The PRESTO is the ultimate Process Reactor companion for precise temperature control.

Its highly efficient design and components allow for the compensation of exothermic & endothermic reactions with extraordinary speed at temperatures ranging from -93°C to +250°C.

PRESTO units are whisper quiet in your lab, with a user-friendly display and remote control capabilities allowing you to gain complete control over your process temperatures with the utmost ease.

We are pleased to offer the full Julabo range of Temperature Control Systems & Accessories.

Today Julabo is an industry leader and has played a vital role in the development of fluid-based temperature control.

Our range of Julabo solutions include:

- PRESTO Dynamic Temperature Control Units
- MAGIO, DYNEO & CORIO range of laboratory circulators for:
  - Refrigerated/Heating Circulators
  - Open Heating Bath Circulators
  - Heating Bridge/Immersion Circulators
- Chillers/Recirculating Coolers
- Water Baths
- Accessories
- Special solutions
- Servicing & Maintenance

**NEW** TE400  
Peltier Chiller

MAGIO  
Smart Circulators

DYNEO  
Flexible Circulators

CORIO  
Economical Circulators

Julabo  
FL Series Chillers

Accessories &  
Servicing





**First to market**  
**Energy efficient**  
**Cheaper & safer to run**

Working with the University of Cambridge, Genlab have developed drying cabinets that represent the pinnacle of sustainability.

## Key Features:

- Fully insulated with adjustable vent cover
- Integral 7-day timer with display
- Digital controller with fixed over-temperature safety cut-out
- Adjustable shelf runners with removable chrome shelves
- Lockable castors (425 & 885 models)
- Easy-clean powder coated body with toughened glass doors

## Benefits & Cost Savings:

Low energy consumption - **50% lower than traditional cabinets**

- Low heat output - reducing air conditioning costs
- Fully insulated - safer for end users
- Easy, specific temperature controller
- Integral programmable 7-day timer - ON/OFF to reflect your requirements
- Convection or fan - heat up time < 1 hour



**e<sup>3</sup>**

E3 fan units are able to remove approximately double the moisture of a convection unit. The time taken to dry a load is therefore halved.

As a result the energy used to dry a load is actually lower for a fan unit compared to a convection unit.

E3 is Genlab's market leading brand for scientifically developed, cutting-edge sustainable products.

Whether you are a single laboratory needing to buy greener and smarter, or a large organisation concerned with meeting your sustainability aims and reducing operations costs, the E3 can provide the solution that's best for you.

**E3DWC425**



**E3DWC885**



**E3DWC100**



**E3DWC200**



Our revolutionary benchtop NMR spectrometers allow chemists, researchers, engineers and students to perform spectroscopy tests whenever and wherever they need. Whether you are in the lab or in the field, the Nanalysis portable benchtop NMR spectrometers equip you with vital data directly at your point of requirement.

## 100MHz Spectrometers



### 100Pro

Multinuclear\* -  $^1\text{H}/^{19}\text{F}/^{13}\text{C}$  &  $^1\text{H}/^{19}\text{F}/^{31}\text{P}$

\*Custom configurations available, please enquire.

### 100e

$^1\text{H}/^{19}\text{F}$  for routine NMR

## NMReady™ 60MHz Spectrometers



### 60Pro

Multinuclear\* -  $^1\text{H}, ^7\text{Li}, ^{11}\text{B}, ^{13}\text{C}, ^{19}\text{F}, ^{31}\text{P}$

\*Custom configurations available, please enquire.

### 60e

$^1\text{H}/^{19}\text{F}$  for routine NMR

Simple Operation

Easy Installation

Safe, Accurate & Fast



## AUTOsample-60 & AUTOsample-100

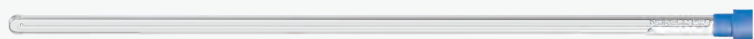
The AUTOsample-60 & AUTOsample-100 mount on-top of any respective Nanalysis NMR for painless interconversion between autosampler and manual mode, all while maintaining a notably low footprint.

Data acquisition & processing is controlled at the touch of a finger through the onboard software.



Norell NMR Tubes provide a high quality solution to a wide variety of NMR applications from routine NMR to high resolution, high throughput and autosampling. We realise that the last thing you want is to repeat a run because of shimming problems or breakages caused by poor tube dimensions. With Norell, you are guaranteed superior quality and remarkable performance.

## Standard Series - Class B Glass



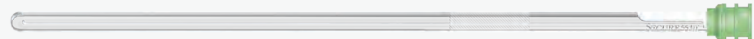
5mm Ultra Precision, High Precision & Precision NMR Sample Tubes  
5mm Economy High Throughput NMR Sample Tubes  
10mm Ultra Precision & Precision NMR Sample Tubes  
10mm Economy NMR Sample Tubes

## Select Series - Class A Glass (Pyrex®)



5mm Ultra Precision NMR Sample Tubes  
3mm Ultra Precision NMR Sample Tubes  
3mm High Throughput NMR Sample Tubes  
10mm Ultra Precision NMR Sample Tubes

## Secure Series - Available in Class A and Class B



5mm Secure Ultra Precision, High Precision & Precision NMR Sample Tubes  
3mm Secure Ultra Precision NMR Sample Tubes  
5mm Secure Economy/High Throughput NMR Sample Tubes

## Special Purpose



Constricted NMR Tubes  
Amberised NMR Tubes  
Screw-Cap NMR Tubes  
Heavy & Medium Wall NMR Tubes  
Bruker MATCH™ System NMR Sample Tubes

## Sample Vault™ Tubes & NEW Rack



### Sample Vault™ Tubes Available with Options:

- Open (Black/White Caps for Racks) & Closed Cap (Red Cap)
- Coded (Black Cap) & Uncoded (White Cap)
- 3mm & 5mm O.D.
- Standard, Medium & Heavy Wall

Sample Vault™ Racks, 96 position, are made from a unique biopolymer allowing for sustainable use. Available with 3mm & 5mm NMR tubes, both Coded & Uncoded.





GPE Scientific own and manufacture J Young® Valves for use with NMR tubes, vacuum manifolds (schlenk lines), greaseless stopcocks/taps, and a range of schlenk flasks, cold traps & bubblers.

J Young® stopcocks are leak tested to  $10^{-6}$  litres/sec and are suitable for applications up to 7 psi.

Our **NEW HP range** is available with a more robust seal and greater interchangeability for use in more intensive applications.

## J Young® NMR Valves with Tube Attached

Handle your NMR sample without sealing your tubes.

PTFE covered O-Ring eliminates material incompatibilities and completely greaseless assembly means the tube is easy to use and disassemble for cleaning.

Includes female joint for quick attachment to your vacuum rack.



## Available in Colours:

Yellow (standard)  
Green  
Blue  
Orange  
Beige/Brown  
Red



**Single Bank Manifold/Schlenk Line**



**Single Bank Manifold w/ Vacuum Gauge Port**



**Space Saving Manifold**



**Dual Bank Manifold**



**Dual Bank Offset Manifold**



## Chemistry Diaphragm Pumps

Our chemistry diaphragm pumps are available in a full range of volume flow rates & ultimate vacuum options.

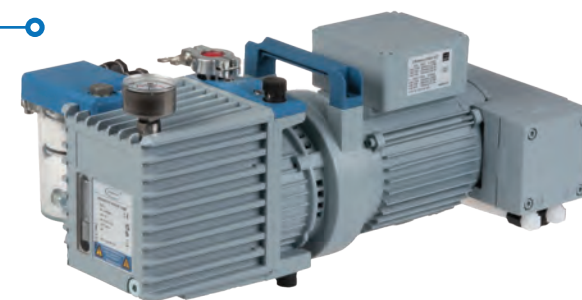
- A wide selection of single & multi-stage pumps are available ranging from 70-0.6mbar depending on your application.
- Connecting heads in parallel provides higher flow rates.
- Our vast array of choices & customisations satisfy virtually any of your laboratory requirements.



## Rotary Vane & Chemistry-HYBRID Pumps

Rotary Vane Pumps are used whenever it is necessary to have a process vacuum of up to  $10^{-3}$  mbar. Vacuubrand rotary vane pumps are high-performance, yet compact, and can be equipped with an extensive line of Vacuubrand accessories.

They have an innovative lubrication system with a built-in large volume oil pump. This extends oil change/service intervals and protects the pump at start-up. The high-flow gas ballast provides high vapour pumping capability for both water & solvents.



## Vacuum Gauges & Controllers

VACUUBRAND offers a comprehensive range of electronic measuring instruments for laboratory & industrial use, as well as controllers for rough & fine vacuum from atmospheric pressure down to  $10^{-3}$  mbar.

- Consistent chemical resistance in the wetted area.
- Plug & play - tailor made and easily configurable components with VACUU-BUS.
- Open interface architecture for system integrations.







## VACUU·PURE Oil-Free Screw Pump

VACUU·PURE reliably delivers the benefits of oil-free vacuum technology in the pressure range of  $10^{-3}$  mbar. The special design with two cantilevered spindles & magnetic gear allows hydrocarbon-free operation. The unique design of VACUU·PURE gives it an exceptionally high condensate capability, making a gas ballast unnecessary even at high vapour loads. The spindles run contact-free and are thus free of abrasion



## ATEX Pumps

- ATEX chemistry vacuum systems are ready for use for applications with large amounts of condensable vapors due to optimally configured accessories. Typical applications are rotary evaporators and drying ovens with potentially explosive atmospheres. The separator at the inlet (AK) retains particles and liquid droplets.
- The waste vapor condenser at the outlet (EK) is highly efficient and compact. The condenser enables near-100-percent solvent recovery. Included in delivery is a separate gas ballast connection part for use with inert gas.



## Fluid Aspiration Systems

Safe, sensitive & efficient aspiration of supernatants for a vast array of applications.

- The BVC Basic is intended for connection to an external vacuum source whereas the BVC Control & BVC Professional are equipped with a chemically resistant diaphragm pump.
- Vacuum level/suction force can be sensitively adjusted via the touch panel.
- The BVC professional features a non-contact liquid level sensor & self closing quick couplings.
- All systems available with 4l polypropylene bottle or 2l glass bottle for aggressive solvents.

# Sciologex Rotary Evaporators

## Now up to 50L!

The Sciologex rotary evaporators provide the ultimate tool for your evaporation/distillation needs. Sizes range from benchtop all the way up to 50L.



### 20L & 50L Features

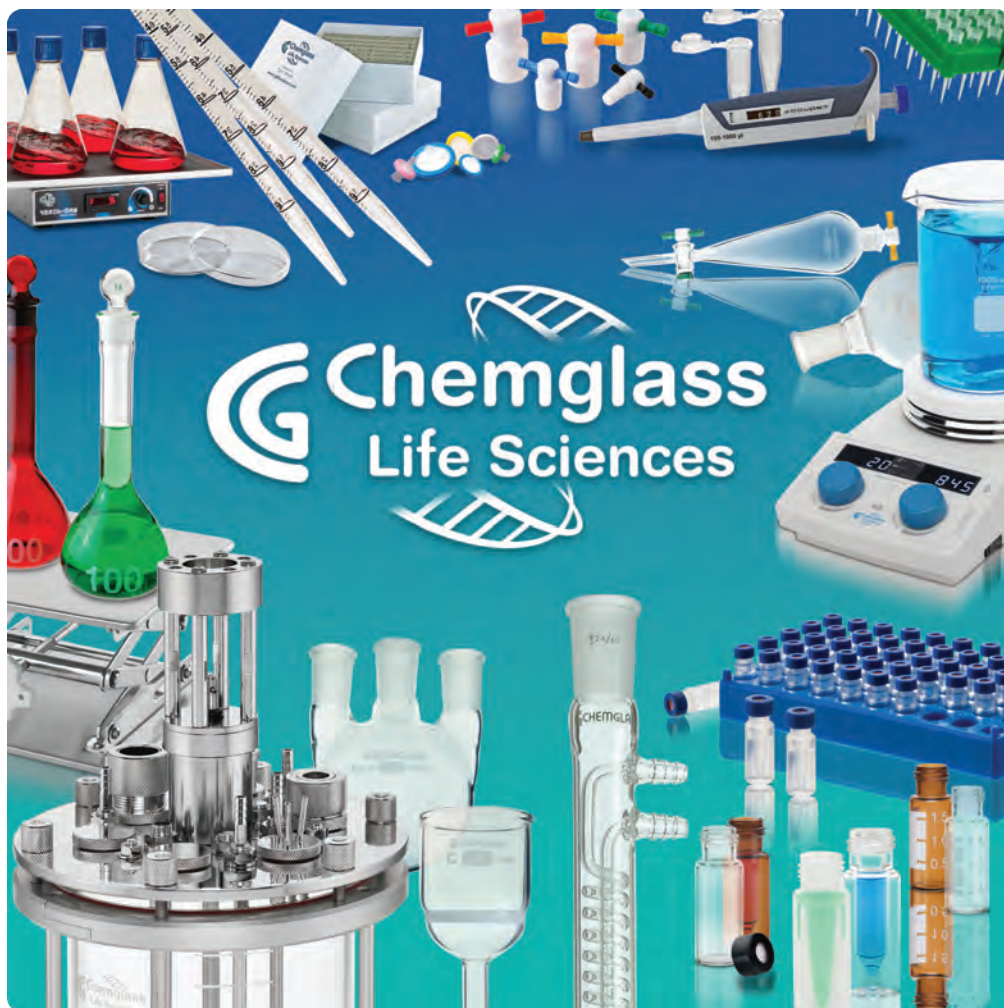
- LCD digital display with intuitive interface for operation & control.
- PID controller - precise control, fast setting.
- Stepless, automatic motor lifting of the heat bath - smooth & silent.
- Two-section, three layer Graham condenser with anti-backflow design, large condensation surface area and strong evaporation capacity guarantees highly efficient sample recovery.
- Air-tight design with PTFE sealing ring, giving high durability & heat/corrosion resistance.
- Optional vacuum controller to freely set precise vacuum.
- Insulated heat bath improves energy efficiency and mitigates the risk of potential burn injuries by keeping the outside of the bath at a lower temperature.



# Life Science







## CLS-1430

Microcarrier spinner flasks promote optimal growth of suspension & microcarrier cultures. Indented bottoms, 100ml-1000ml, prevent accumulation of microcarrier beads under the impeller paddle. The complete system includes a flask with two angled sidearms and a PTFE paddle with glass shaft that adjusts through the compression fitting in the cap.



## CLS-1200

New CHEMcell Modular Benchtop Bioreactor System consists of a heavy-duty base unit and a choice of stainless steel rocker trays. The optional bag and vent heater, made for use with both size trays, keeps vent filters free of harmful condensation that can clog filters and compromise cultures.



## CG-1991-P

Reaction PIE-BLOCK is designed to fit directly on 135mm diameter circular top hot plate stirrers. Versatile design of the safety pie plate holder allows up to four pie wedges on one hot plate and securely locks them together.



# Labogene MSCs & Freeze Dryers

## MARS Class II Biological Safety Cabinets



The Labogene range of Class II safety cabinets are innovative in design, with exceptional quality of construction and reliability. The cabinets employ energy saving and environmentally friendly components to protect your balance sheet and the environment.

The cabinets utilise the latest energy efficient fans, reducing energy consumption and heat transmission both within the work chamber and out to your laboratory, significantly reducing overall costs.

## CoolSafe Freeze Dryers



The CoolSafe Freeze dryers feature a new touchscreen controller with temperature & pressure regulation and time control systems.

- Programming & storage of protocols for R&D usage.
- Wide choice of manifolds, chambers & heated shelves
- Available in 4/9/15L condenser capacity.
- Temperature options of -55°C or -110/-100/-95°C respective to condenser capacity.
- Condenser ice capacity of 2.5/4/6 kg per day with max capacity of 3/7/10kg respective to condenser capacity.

# Vestfrost Freezers & Refrigerators



Medical Refrigerators



Laboratory Freezers



ULT Freezers



- **Low Noise**



- **Environmentally Friendly**



- **User Friendly**

The Vestfrost range of laboratory freezers & refrigerators are made to be the ultimate solution for both users and lab managers. Adaptive cooling technology, paired with low GWP refrigerants, keeps cost and environmental impact at a minimum.

The iCare touch system allows a wide range of customisation, whilst also being simple and intuitive to use. User-tied password protection can also be setup on the system to control access.

Efficient design allows for minimum footprint and low noise levels, providing maximum comfort and space efficiency for your laboratories.



Upgrade your cryogenic operations with hyper-efficient storage.  
The excellent manufacture of Cryotherm cryogenics leads to low evaporation rates, long lifespan, and peace of mind that your samples remain safe, whether it's in one tank or an entire biobank.



## APOLLO® Mobile Liquid Nitrogen Storage

- Highly efficient - minimal evaporation rates.
- Optimised superinsulation.
- Minimal footprint & low maintenance requirements.



## BIOSAFE® Smart Cryocoolers

- Minimal consumption for maximum volume.
- Simple monitoring with BIOSAFE® Smart.
- Biobanking 4.0 via SMS or email.

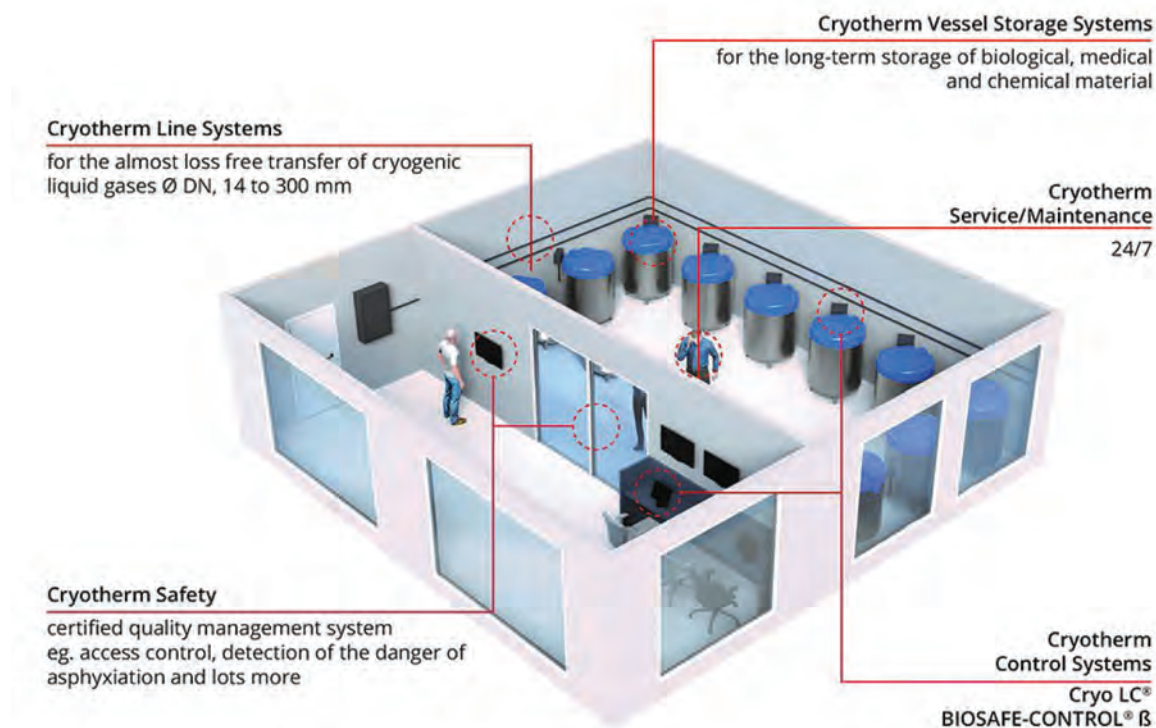


## Cryogenic Piping and Transfer Systems

- Ultra low evaporation losses whilst reaching point of use.
- Multilayer, computer optimised vacuum insulation supports down to -269°C.
- Tapping/phase separation at any point along the pipe system.

From start to finish, we can help you realise your objectives of a complete Cryotherm biobank system. Our team of expert engineers, design specialists & biobank consultants will work with you to ensure that your biobank meets your exact requirements.

- Consultation
- Planning
- Design
- Assembly
- Commissioning
- Service & Maintenance



Maximise throughput and minimise operational costs with the advanced Hettich LED light system.

- General Plant Research • Plant Pathology • Arabidopsis Research • Plant Tissue Culture
- Seed Germination • Drosophila Research • Entomology • In Vitro Plant Growth



**PRC 1200 WL**

- Humidity system: ultrasonic (optional).
- Growth area: 3 shelves (875D x 625W, mm = 1.65m<sup>2</sup>).
- LED's : 200μMol, 400μMol or 1100μMol.
- Growth height at 3 LED layers: 400mm.



**PRC 1200 SL**

- Humidity system: ultrasonic (optional).
- Growth area: 3 shelves (875D x 625W mm = 1.65m<sup>2</sup>).
- Growth area: max. 15 shelves (875D x 625W, mm = 9m<sup>2</sup>).
- LED's : 200μMol (optional 400μMol).



**PRC 1700 WL**

- Humidity system: ultrasonic (optional).
- Growth area: 3 shelves (600D x 1300W, mm = 2.34m<sup>2</sup>).
- LED's : 200μMol, 400μMol or 1100μMol.
- Growth height at 3 LED layers: 490mm.



Environmentally friendly, economical and well designed, the HettCube range of incubators will benefit both your balance sheet and the environment, all whilst providing optimum growth conditions for your cultures.



HettCube 200 | 200 R

- Can be floorstanding, stood on bespoke Hettich drawers, or stacked one on top of the other.
- Optimal for labs needing to maximise vertical footprint.



HettCube 400 | 400 R

- Energy efficient, quiet & exceptionally manufactured, the HettCube 400 range sets the industry standard for high quality incubation.



HettCube 600 | 600 R

- The HettCube 600 range has a highly impressive 500L internal space for its 0.6m<sup>2</sup> footprint, with 67% validated usable space.



Benchtop/Undercounter HettCubes (60L & 120L)

- The HettCube 60 & 120 provide the ultimate solution for those looking to maximise benchtop & undercounter space.



Amberly Services

# Foster FPLC Cabinets



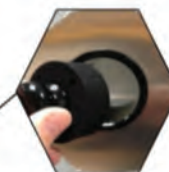
The first choice for FPLC refrigeration, for use with ÄKTA & Biorad Systems.

- Exceptional temperature stability - keeps your proteins cool, even against the heat output from your chromatography system.
- Completely modified for chromatography use - reconfigured controller, alarm systems, overtemperature cutouts to preserve columns, and a variety of custom access ports.
- Available as a 1 or 2 door model, completely customisable to your requirements.
- Delivery & Siting available by specialist carriers (subject to site survey).

## Modification Options:



Double Electric Socket



Comms Cable Access Port  
with Foam Stopper



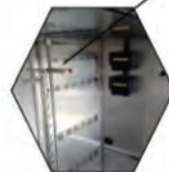
Sliding Shelf on  
Retractable Runners



Platform Sheet Shelf



Access Port for  
Drainage/Waste



Central Scaffold Rod for  
Column Support  
(Behind mullion in photo)



2-Tier Keg Rack



## LIEBHERR



### Liebherr Laboratory Freezers & Refrigerators

Perfect technology for even greater safety.

To optimally and safely store sensitive substances, such as antibodies and cell cultures, Liebherr laboratory appliances have precise electronic controls and integrated alarm systems. In appliances with Profi electronics, 3-point calibration allows highly accurate temperature control. All appliances comply with the NF X 15-140 standard, with regard to maximum temperature stability & consistency.

## MERCK



### Merck Milli-Q® Water Purification Systems

Designed in a compact, ergonomic, mercury-free and intelligent way to deliver high quality pure & ultra-pure water to your laboratories.

- The intelligent pure water storage tank allows maximum protection from any external source of contamination.
- The redesigned E-POD® point-of-delivery unit offers convenient, rapid access to pressurized pure (Type 2) water from drop by drop to up to 2 L/min.
- The Q-POD® dispenser effortlessly delivers high quality ultrapure (Type 1) water.



# General Labware



GPE Scientific have partnered with Scilogex to bring you the latest in precision benchtop laboratory equipment.

With a vast range of products, we are able to keep your laboratory supplied with high-quality Life Science items such as Multi-purpose Centrifuges, Liquid Handling equipment, Hotplates/Stirrers, Mixers, Rollers and much more.



Hotplates/Hotplate Stirrers

Magnetic Stirrers



Microplate Mixers

Digital Shakers



Centrifuges

Vortex Mixers



...and much more on our website!



**A&D's Core Technology of analogue & digital conversion enables us to understand and utilise information within the environment.**

With this competency, we provide hyper-accurate laboratory weighing tools using precision measurement & controlling technology, giving users the agency to contribute to the development of industry and healthy living.

A&D electronic balances provide a weighing performance that is very reliable, accurate, and great value.

## The NEW BA Borealis





# GPE Custom Glassware

Have a niche glassware requirement that's not in the catalogue? We'd be more than happy to create something custom for you.

Our expert glassblowers are on hand to craft to your specifications. Since opening our doors in 1962, our 60+ years of glassblowing experience allows us to produce a vast array of custom designs to exceptional quality.

Whether you have a drawing ready, or just have an idea of what you need, our team will be able to work with you to pinpoint your exact requirements and create your unique piece of glassware.

Once we have a complete specification, we'll send you over a free quotation so that you know the cost before committing to production.

**Please contact us to discuss your requirements.**



# ErreDue Gas Generators

ErreDue provide the ultimate solutions to produce your own gas on-site at your laboratory, enabling the self-sufficiency of your technical gas production

Sustainable Solutions



## GN INOX Nitrogen Generator

- Constant, pure gas flow (99.999%).
- Easily Used / Sanitised in Sterile Environments.

## MARS Hydrogen Generator

- PEM technology creates extremely pure H<sub>2</sub>.
- Only require distilled water & electric current.
- Very low maintenance.

## GALILEO Nitrogen Generator

- Modular design scales with your requirements.
- Complete autonomy - no waste gas

## GEMINI Oxygen Generator

- PSA technology gives pure O<sub>2</sub> without using chemicals.
- Modular design scales with your requirements.

## ORION P & Z Series Pure/Zero Air Generators

- Continuous flow of air with minimum hydrocarbon content.
- Range of purity levels to your requirements.





# Logicall Asset Monitoring

Sustainable Solutions



## Installation in seconds

- ☁ Plug and Play Solution
- ☁ No IT Connection Required
- ☁ Data ready in seconds



## Easy to use

- ☁ Simple and intuitive platform
- ☁ Accessible anytime, anywhere
- ☁ Secure and Reliable

## Choose your Sensors...



## A vast array of data at your fingertips, for peace of mind over your laboratory assets.

**Parameters** - We are proud to offer the largest range of parameters on the market. Whether you want to monitor ultra-low temperature -80°C cold storage, GPS location, occupancy of your organisation, flood detection, vibration, water flow, electricity usage and more. We have the software platform capable of offering key data insights for your organisation.

**Technology** - We are always looking for new ways to advance our IoT monitoring solution. Our current transmission infrastructure allows data to travel up to 20km. Meaning one centralised gateway can collate data from any sensor within your entire organisation. Whether it's a hospital, university or laboratory, our solution will provide you with reliable, consistent and real time data around the clock.

**Sensors** - Whether you need discrete and small or robust and industrial. Our platform allows users to easily add and configure new sensors to your account. With a gateway infrastructure installed sensors will effortlessly connect to the nearest gateway, providing you with the accurate and uninterrupted data you need.

**Gateways** - Our gateways utilise a cellular network so no need for an IT connection. Our data roaming connectivity allows for data transmission anywhere, even remote or secure locations. Gateways ensure seamless transmission with a backup power supply, and with the option to use in transit, we can monitor your entire cold chain from one dashboard.

**Cloud** - Collating data from various locations to one dashboard has not always been easy, however the development of cloud based software allows us to integrate your sensor data onto our easy to use web application. We use AWS's secure network and host data indefinitely aiding with the compliance and performance analysis of your assets.

**Security** - At Logicall the safety and security of personal data is our priority. That's why all of your data is end to end encrypted. The wireless communication between our sensors and the network is 2 way and personal data is kept on a secure online server and accessible by only you. And best of all our solution requires no connection to your existing network.



# Envair Fume Cupboards



Specialists in the design & manufacture of industrial & educational laboratory fume hoods.  
Custom options available. Please contact us to discuss requirements.



# GPE Scientific Laboratory Builds

"Walk into a room and turn it into a lab" - is what GPE offer when it comes to transforming your new or growing laboratory into a site completely fit for your research.

Our expert team of lab build managers & applications specialists will put your science at the heart of the laboratory design process to create your ideal lab.

- Application-Led Design and MOCs
- Full Extraction Design
- Custom Fume Hood Solutions
- HVAC & Balancing
- Glove Boxes
- Portable Containment Solutions
- Purpose-Built Lab Furniture
- Extracted Chemical Storage
- Waste Management Systems
- Complete Cryogenic Solutions
- Project Management
- CAD & Validation
- Continued Support

Please contact us to be put in touch with one of our specialists.



# Service Partners

GPE Scientific are proud to work with these outstanding service partners as part of our commitment to provide a complete solution to your laboratory, whatever the application. Please contact us to arrange a service.



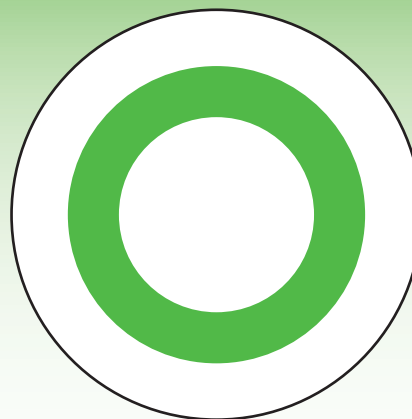
## VacPro

Servicing for Vacuum Pumps & Gloveboxes.



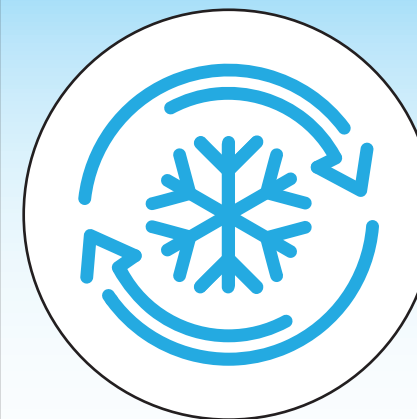
## British Clinical Services

Specialists in Installation, Validation, Fumigation & Maintenance of Microbiological Containment Facilities & Equipment



## Restore Harrow Green

Laboratory Relocation Specialists



## ED Services

Cryogenic Servicing & SiVL Installation



# Testimonials

We have purchased a number of complete Chemglass reactor systems from GPE Scientific over the years including temperature control thermostats.

They have provided a complete technical solution for us, including installation, training and commissioning of the reactor systems. They work in a highly efficient and professional manner and always respond to our queries in a timely manner.

GPE Scientific offer a complete pre and post sales support solution for our needs and provide regular refresher training sessions for all our staff when required. I would recommend them as a supplier of chemical reactor systems.

**Duncan Sinclair - Purolite**

Many thanks for everyone's help at GPE Scientific for the coaxial needle device you built for us earlier this year.

We have just had a paper on the device and its use published in a journal highly regarded in the microfluidic community, Lab on a Chip.

We also performed numerical simulations that matched the experimental measures very well.

Again, we are extremely impressed and happy by the quality of the needles and the skill of your glass blowers

**Paul Rademeyer - Oxford University**

After a long search looking for our discontinued Jencons autoburettes we were recommended GPE as a company who may be able to help.

After purchasing 4 of their 50ml Glass Autoburettes we were delighted to find out they were everything our old Burettes were and more!

**Liam Palmer - Lab Manager**

GPE offer high quality lab glassware and the flexibility to create customised vessels and apparatus which suit our needs.

They come highly recommended to anyone who requires a special glassware design for their research.

**Colin Keyworth - Process Development Manager**

We received a professional technical support followed by precision made glass components which were all made within tight tolerances to our drawings within a few days after the order was placed.

Can anyone ask for more? The price was highly competitive too! A good supplier to work with.

**Uri Friedländer - UNO Boxer Pumps**



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**Chemistry**

**Life Science**



**Sustainable Solutions**

**Laboratory Builds**

