

# **GALLENKAMP PRODUCT RANGE BROCHURE**



# CONTENTS

- PAGE: 4** LIFE SCIENCES
- PAGE: 14** LAB CHILLERS AND COOLERS
- PAGE: 18** SAFETY CABINETS AND ENCLOSURE WORKSTATIONS
- PAGE: 24** LAB STIRRERS AND SHAKERS
- PAGE: 28** INCUBATORS AND INCUBATOR SHAKERS
- PAGE: 32** OVENS AND VACUUM OVENS
- PAGE: 35** TEMPERATURE PID'S
- PAGE: 36** VACUUM PUMPS
- PAGE: 38** GENERAL LABORATORY EQUIPMENT
- PAGE: 42** DRYING CABINETS
- PAGE: 44** FURNACES
- PAGE: 46** AUTOCLAVES
- PAGE: 48** PH METERS
- PAGE: 54** FLOWMETERS
- PAGE: 56** BASE STANDS AND RODS
- PAGE: 58** CLAMPS
- PAGE: 68** SAMPLE CONTAINERS
- PAGE: 73** WATER BATH RACKS
- PAGE: 74** STIRRING ELEMENTS
- PAGE: 78** TONGS
- PAGE: 82** SPATULAS



# COMPANIES FEATURING IN THIS CATALOGUE

## SISTER COMPANIES:



## OTHER COMPANIES:



# ACOLADE 2



The aCOLade 2 manual colony counter is an ideal choice for budget-conscious microbiology laboratories. It consists of an illuminated receiver plate and a large LED display. The pressure of marking a colony with a felt-tip pen registers a cumulative count on the digital display with confirmation by audible tone (can be turned on or off).

- The pressure required to register a count can be adjusted to suit each user
- Sub-stage illumination by low energy bright LEDs allows glare-free optimum viewing
- A switchable black background is provided to enhance viewing of translucent and difficult to see colonies
- Supplied with two graticules and dish centering adapters to facilitate use with 50mm – 90mm dishes
- Antibacterial protection
- A choice of magnifiers are available



### Product Codes

CODE	REFERENCE	DESCRIPTION
ACOLAD 2	aCOLade 2	Manual colony counter

### Accessories

CODE	REFERENCE	DESCRIPTION
ACOLAD2-MAG1	aCOLade 2 manual colony counter	Magnifying Glass 1.7x
ACOLAD2-MAG1	aCOLade2 manual colony counter	Magnifying Glass 3x

# DIGIGENIUS



This entry level system offers reproducible, high resolution digital images for gel documentation. The DigiGenius system is easy to use and allows you to capture and view real-time images directly on your PC. The DigiGenius is ideal if you have a limited budget because you can purchase the basic system and then add a UV transilluminator, conversion screen, safety hood and printer, as well as Syngene's industry leading GeneTools analysis software, as the need arises.

- Small footprint
- 18mp camera resolution, producing high quality images with precise band separation
- White, UV and blue lighting options
- Flexibility to image fluorescent DNA and visibly stained protein gels
- GeneTools analysis software (unlimited copies)



### Product Codes

CODE	REFERENCE	DESCRIPTION
DG1	DigiGenius Imaging system	Manual Colony Counter

### Accessories

CODE	REFERENCE	DESCRIPTION
BT-2020M-E	DigiGenius Imaging system	Transilluminator (20 x 20cm; 302nm) 230V, 50Hz
GE-CONVERT5	DigiGenius Imaging system	Visible light converter
CONVERT BLUE-2126	DigiGenius Imaging system	UV to Blue Light converter, Size 21x26cm, suitable for safe dyes
P95DW	DigiGenius Imaging system	Mitsubishi Digital Thermal Printer

# SYNMINI



The SynMini is the smallest unit in the range, designed for low to medium numbers of samples. The small gel size maximises run economy but does not compromise versatility as two tray options are available simply by altering the gel tray or comb, this compact unit is capable of resolving up to 64 different samples, prepping 1ml of sample or separating sample bands over a distance of 9cm.

- Buffer saver blocks physically reduce the volume of a gel chamber and buffer requirements, therefore saving cost
- Available with 7x7cm, 7x10cm or with both gel trays
- Economic low gel and buffer volumes
- Small lab bench footprint
- Complete with 2x8 sample combs, loading guides and dams

## Specifications

Unit Dimensions (w x l x h mm)	90 x 210 x 90
Buffer volume (ml)	225
Typical running conditions	80V 45-60 minutes



## Product Codes

CODE	REFERENCE	GEL DIMENSIONS (WXL MM)	MAX CAPACITY
SYNMINI 7	Gel Tray, 2x8 sample combs, loading guides and dams	70 x 70	32 Samples
SYNMINI 10	Gel Tray, 2x8 sample combs, loading guides and dams	70 x 100	64 Samples
SYNMINI DUO	Gel Tray, 2x8 sample combs, loading guides and dams	70 x 70 and 70 x 100	64 Samples

# SYNMIDI



The SynMidi has been designed for routine horizontal gel electrophoresis. Extending only the width of this unit allows more samples to be resolved per gel than the SynMini, without a significant increase in buffer or gel volumes. A maximum of 100 samples per gel can be resolved, making this unit ideal for those routinely checking medium numbers of samples over short to medium gel run lengths. Loading guides allow easy well identification and sample loading.

- With gel tray options of 10 x 7cm and 10 x 10cm or with both gel trays
- Run up to 100 samples
- Low buffer volumes
- Ideal for rapid electrophoresis

## Specifications

Unit Dimensions (w x l x h mm)	125 x 220 x 90
Buffer volume (ml)	300
Typical running conditions	90V, 45-60 minutes



## Product Codes

CODE	REFERENCE	GEL DIMENSIONS (WXL MM)	MAX CAPACITY
SYNMIDI 7	Gel Tray, 2x16 sample combs, loading guides and dams	100 x 70	50
SYNMIDI 10	Gel Tray, 2x16 sample combs, loading guides and dams.	100 x 100	100
SYNMIDI DUO	Gel Tray, 2x16 sample combs, loading guides and dams.	70 x 70 and 70 x 100	100

# SYNMAXI

The SynMaxi is primarily designed for resolution of high numbers of samples, such as from Cloning or PCR. The SynMaxi allows ultra high-resolution separations over extended runs. Tray sizes correspond to standard blotter sizes. It also allows easy sample transfer onto a membrane for further analysis. Multichannel pipette compatible combs of up to 40 samples facilitate speed loading of up to 440 samples per gel. 50 sample combs allow maximum sample capacity of 550 samples per gel. Casting dams allow gels to be rapidly cast externally while the SynMaxi unit is in use for gel running.

- Four gel tray sizes are available; 20 x 10cm, 20 x 15cm, 20 x 20cm and 20 x 25cm.
- Run up to 550 samples
- Low buffer volumes

## Specifications

Unit dimensions (WxLxH mm)	230 x 395 x 90
Buffer volume (ml)	1200
Typical running conditions	100-150V, 60-90 minutes



## Product Codes

CODE	REFERENCE	GEL DIMENSIONS (WXL MM)	MAX CAPACITY
SYNMAXI 10	Gel Tray, 2x20cm 1mm sample thick combs, loading guides and dams	200 x 100	200
SYNMAXI 15	Gel Tray, 2x20cm 1mm sample thick combs, loading guides and dams	200 x 150	350
SYNMAXI 20	Gel Tray, 2x20cm 1mm sample thick combs, loading guides and dams	200 x 200	450
SYNMAXI DUO	Gel Tray, 2x20 sample 1mm thick combs, loading guides and dams	200x100 and 200x200	450
SYNMAXI 25	Gel Tray, 2x20cm 1mm sample thick combs, loading guides and dams	200x250	550

# SYNCHOICE

The SynChoice offers a wide degree of versatility. Maximising comb and tray options allow up to 210 samples to be resolved per gel. The 15cm total run length allows restriction fragment or other close MW sample bands to be easily separated and identified. Speed loading is accomplished using 10, 14, 16, 18, 28 or 30 sample multi-channel pipette compatible combs. Fabricated SynChoice stretch units are available with optional 15 x 20cm and 15 x 25cm gel trays and four 28-sample combs for those researchers wanting to perform higher resolution separation of more samples over a longer distance.

- Three tray options are available; 15 x 7cm, 15 x 10cm and 15 x 15cm
- Run up to 210 samples
- Low buffer volumes
- Multichannel pipette compatible combs for speed loading

## Specifications

Unit dimensions (WxLxH mm)	175x265x90 or 175x410x90 (T25 model)
Buffer volume (ml)	500 and 1000 (T20 and T25 models)
Typical running conditions	90-150V, 60-90 mins or 100-150V, 60-90 minutes (T20 and T25 models)



## Product Codes

CODE	REFERENCE	GEL DIMENSIONS (WXL MM)	MAX CAPACITY
SYNCHOICE 7	Gel Tray, 2x20cm 1mm sample thick combs, loading guides and dams	200 x 250	70
SYNCHOICE 10	Gel Tray, 2x20 sample combs, loading guides and dams.	150 x 100	140
SYNCHOICE 15	Gel Tray, 2x16 sample combs, loading guides and dams.	150 x 150	210
SYNCHOICE TRIO	15x7cm and 10 and 15cm Gel Tray, 2x20 sample combs, loading guides and dams.	150x70, 150x100 and 150x150	210
SYNCHOICE TRIO15	15x7cm and 10 and 15cm Gel Tray, 2x20 sample combs, loading guides and dams.	150 x 150	210
SYNCHOICE EST20	Gel Tray, 4x28 sample combs, loading guide and dams.	150 x 200	280
SYNCHOICE EST25	Gel Tray, 4x28 sample combs, loading guide and dams.	150 x 250	350

# SYNPAGE MINI



Syngene Mini Vertical systems are predominantly used for protein electrophoresis. By combining both functionality and ease of use, the SynPAGE systems set the benchmark for simple, versatile vertical mini gel electrophoresis. Each SynPAGE electrophoresis system can accommodate up to 4 hand cast gels (additional plates required) or 2 commercial precast gels to provide complete flexibility for individual research needs, while unique sliding clamp technology within the PAGE insert facilitates fast, intuitive leak-free casting. The SynPAGE Mini Vertical systems are perfect for today's laboratories, where the ability to generate reproducible results quickly is essential.

- Injection moulded construction
- Compatible with all 8x10 and 10x10cm precast gels
- Rapid gel casting and loading
- Low buffer volumes
- Rapid set up cooling
- Run up to four gels in tetrad model

## Specifications

Unit Dimensions (w x l x h mm)	190 x 130 x 150
Buffer volume (ml)	250
Typical running conditions	1-2 hours at 90-225V



## Product Codes

CODE	REFERENCE	GEL DIMENSIONS (WXL MM)	MAX CAPACITY
SYN10D	Dual, 2 set of class plates, 1mm thick bonded spacers 2x12 sample, 1mm thick combs. CLAMP VERSION	100 x 100	80
SYN10DSYS	Dual, 2 set of class plates, 1mm thick bonded spacers 2x12 sample, 1mm thick combs including caster. CLAMP VERSION	100 x 100	80
SYN10PRE	Dual, No accessories. CLAMP VERSION	100 x 100	80
SYN10DSYS-CU	Dual, 2 sets of class plates 1mm thick bonded spacers, 2x12 sample, 1mm thick combs including caster. CLAMP VERSION. External casting upstand	100 x 100	80

# VS20 SYNWAVE MAXI



The VS20 SynWAVE Maxi System is Syngene's latest product innovation for large format vertical gel electrophoresis. Designed to perform a variety of separations, including first and second dimension SDS-PAGE, native, preparative, gradient, and high-resolution nucleic acid electrophoresis, plus capillary tube gel IEF and electroblotting, the VS20 SynWAVE is one of the most versatile maxi vertical systems available. By introducing innovative, new vertical screw-clamp technology within the PAGE insert only four screws are now necessary to secure as many 20x20cm gels.

- Only four screws required to secure glass plates-significantly reducing set up time
- Vertical screw-clamps distribute pressure evenly along the height of the gel to prevent plate bowing and gel compression
- Detachable inner cooling coil facilitates, rapid and uniform, smile-free electrophoresis, even at higher voltages
- Injection moulded construction guarantees long life with reliable and consistent performance

## Specifications

Unit Dimensions (w x l x h mm)	300 x 180 x 270
Buffer volume (ml)	1200
Capacity	1-4 gels



## Product Codes

CODE	REFERENCE	GEL DIMENSIONS (WXL MM)	MAX CAPACITY
VS20 SYNWAVE MAXI	Includes glass plates, 2x24 well combs, cooling coil and casting base.	160 x 175	192
SYN20WAVESYS-CU	20x20cm dual, 2 sets of glass plates, 1mm thick bonded spacers, 2x24 sample, 1mm thick combs, cooling coil, dummy plate, includes caster and external casting upstand.	160 x 175	192
SYN20WAVED	Including glass plates, 2x24 well combs, cooling coil	160 x 175	192

# SYNPAGE TETRAD



Syngene mini vertical systems are predominantly used for protein electrophoresis. By combining both functionality and ease of use, the SynPAGE systems set the benchmark for simple, versatile vertical mini gel electrophoresis. Each SynPAGE electrophoresis system can accommodate up to 4 hand cast gels (additional plates required) or 2 commercial precast gels to provide complete flexibility for individual research needs, while unique sliding clamp technology within the PAGE insert facilitates fast, intuitive leak-free casting. With a trouble-free set up and consistent performance, the SynPAGE Mini vertical systems are perfect for today's laboratories, where the ability to generate reproducible results quickly is essential.

- Injection moulded construction
- For 1mm self-cast gels
- Low buffer volumes
- Rapid set up cooling
- Run up to four gels

## Specifications

Unit dimensions (WxLxH mm)	190 x 130 x 150
Buffer volume (ml)	250
Typical running conditions	1-2 hours at 90-225V



## Product Codes

CODE	REFERENCE
SYNIOTETRAD 1	For 1mm self-cast gels; including SYNI0DSYS-CU

# SEMI DRY BLOTTER



These Semi Dry Blotters offer rapid transfer times for DNA, RNA and protein blotting typically 15 to 30 minutes. All units can be used for all types of blotting: Western, Southern and Northern via uncomplicated buffer and set up procedures and are compatible with gel thicknesses from 0.25 up to 10mm without the need for additional equipment. Each unit is compatible with their respective SynPAGE vertical gel system.

- Rapid transfer times
- Economic Transfers due to very low buffer volumes
- Screw down lid- accommodates gels from 0.25 up to 10mm
- Uniform heat dispersion



## Product Codes

CODE	REFERENCE	CAPACITY (CM)	DIMENSIONS (WXDXH,MM)	BASE BUFFER VOLUME (ML)
SD10	Semi dry mini	10 x 10	165 x 150 x 55	20
SD20	Semi dry mini	20 x 20	260 x 260 x 70	5



# SYNPOWERPRO 300



The SYNpowerpro 300 is a multi-function power supply suitable for a wide range of electrophoresis applications perfectly suited for use with Syngene's range of horizontal electrophoresis systems and SynPAGE Mini vertical electrophoresis systems.

- 2.4 LCD screen
- Built in pre-set protocols, store up to 30 programmes with up to 6 steps each.
- Convenient pause/resume key allows any run to be temporarily halted for inspection of the gel and restarted from the same position.
- Can be operated at constant voltage, constant current or constant power.



## Product Codes

CODE	CODE	MAX VOLTAGE (V)	MAX CURRENT (MA)	OUTPUT PAIRS	DIMENSIONS (WXDXH,MM)
SYNpowerpro 300	300	700	150	5	215x335x104

# SYNNANOPAC-500P



The SYNnanoPAC's user-friendly interface is easily adjustable in 1V and 1mA increments, making it perfect for separations where precise settings are required. Available in two voltages 300 and 500. Its ultra-compact size and two pairs of parallel power terminals, which can run two electrophoresis units simultaneously, save time and bench space

- Ultra-compact size saves bench space
- Enhanced built-in safety features
- Conspicuous 3-digit LED
- Alarm function
- Wipe-clean polycarbonate housing



## Product Codes

CODE	CODE	MAX VOLTAGE (V)	MAX CURRENT (MA)	OUTPUT PAIRS	DIMENSIONS (WXDXH,MM)
SYNnanoPAC -300P	300	400	60	2	140x191x86
SYNnanoPAC -500P	500	400	120	2	140x191x86

# LIST OF COMBS

CODE	DESCRIPTION	SAMPLE VOLUME (µl)	AVAILABLE WITH
SYN7-1-1	Comb prep 1, marker 1, 1mm thick	203	SYNMINI
SYN7-2-1	Comb prep 2, marker 2, 1mm thick	90	SYNMINI
SYN7-4-1	Comb 4, marker 2, 1mm thick	48	SYNMINI
SYN7-8-1	Comb 8 sample, 1mm thick	25	SYNMINI
SYN7-10-1	Comb 10 sample, 1mm thick	18	SYNMINI
SYN12-MC-1	Comb 12 sample, multichannel, 1mm thick	14	SYNMINI
SYN10-1-1	Comb Prep 1, Marker 1, 1mm thick	360	SYNMIDI, SYNPAGE MINI
SYN10-2-1	Comb Prep 2, Marker 2, 1mm thick	158	SYNMIDI
SYN10-4-1	Comb Prep 4, Marker 2, 1mm thick	77	SYNMIDI
SYN10-8-1	Comb 8 sample, 1mm	41	SYNMIDI
SYN10-10MC-1	Comb 10 sample, multichannel, 1mm thick	27	SYNMIDI
SYN10-12-1	Comb 12 sample, 1mm thick	23	SYNMIDI, SYNPAGE MINI
SYN10-16-1	Comb 16 sample, 1mm thick	16	SYNMIDI, SYNPAGE MINI
SYN10-20MC-1	Comb 20 sample, 1mm thick	14	SYNMIDI
SYN10-25-1	Comb 25 sample, 1mm thick	10	SYNMIDI
SYN20-1-1	Comb Prep 1, Marker 1, 1mm	675	SYNMAXI, VS20 SynWAVE MAXI
SYN20-2-1	Comb Prep 2, Marker 2, 1mm	315	SYNMAXI
SYN20-4-1	Comb Prep 4, Marker 2, 1mm	153	SYNMAXI
SYN20-10-1	Comb 10 sample, 1mm	72	SYNMAXI, VS20 SynWAVE MAXI
SYN20-16-1	Comb 16 sample, 1mm	41	SYNMAXI
SYN20-20MC-1	Comb 20 sample, multichannel, 1mm	27	SYNMAXI
SYN20-25-1	Comb 25 sample, 1mm	21	SYNMAXI
SYN20-36-1	Comb 36 sample, 1mm	14	SYNMAXI
SYN20-40MCSS-1	Comb 40 sample, multichannel, 1mm	11	SYNMAXI
SYN20-50-1	Comb 50 sample, 1mm	10	SYNMAXI
SYN15-1-1	Comb Prep 1, Marker 1, 1mm	495	SYNCHOICE
SYN15-2-1	Comb Prep 2, Marker 2, 1mm	225	SYNCHOICE
SYN15-4-1	Comb Prep 4, Marker 2, 1mm	122	SYNCHOICE
SYN15-10-1	Comb 10 sample, 1mm	45	SYNCHOICE
SYN15-10MC-1	Comb 10 sample, multichannel, 1mm	29	SYNCHOICE
SYN15-12-1	Comb 12 sample, 1mm thick	41	SYNCHOICE
SYN15-14MC-1	Comb 14 sample multichannel, 1mm thick	29	SYNCHOICE
SYN15-28MCSS-1	Comb 28 sample, multichannel, 1mm	11	SYNCHOICE
SYN15-35-1	Comb 35 sample, 1mm	10	SYNCHOICE
SYN10-5-1	Comb 5 Sample, 1mm	100	SYNPAGE MINI
SYN10-8MC-1	Comb 8 sample, multichannel, 1mm	60	SYNPAGE MINI
SYN10-9-1	Comb 9 sample, 1mm	50	SYNPAGE MINI
SYN10-10-1	Comb 10 sample, 1mm	40	SYNPAGE MINI
SYN10-20-1	Comb 20 sample, 1mm	20	SYNPAGE MINI
SYN20-5-1	Comb 5 sample, 1mm	1200	VS20 SynWAVE MAXI
SYN20-18MC-1	Comb 18 sample, multichannel, 1mm	50	VS20 SynWAVE MAXI
SYN20-24-1	Comb 24 sample, 2mm thick	40	VS20 SynWAVE MAXI
SYN20-30-1	Comb 30 sample, 1mm	35	VS20 SynWAVE MAXI
SYN20-36-1	Comb 36 sample, 1mm	25	VS20 SynWAVE MAXI
SYN20-48-1	Comb 48 sample, 1mm	20	VS20 SynWAVE MAXI

\*Combs are available colour coded and in 4 thicknesses Black -0.75mm, Red- 1mm, White-1.5mm and Blue- 2mm



# THERMAL CYCLER

Thermal cyclers from Gallenkamp offer proven performance and unmatched features, Perfect for any laboratory, whether you run only a few samples per week or perform high-throughput processes.

In PCR, precise and accurate block control is paramount. Gallenkamp's thermal cyclers have six independently controlled thermal electric modules, the heating and cooling elements of the thermal cycler to maintain tight temperature uniformity at all points during a run-even during ramping.

- Flexible and interchangeable sample blocks
- Intuitive touch screen
- Specially designed lids reduce evaporation during PCR
- Low energy consumption
- Simple data transfer
- Interchangeable blocks
- 3 independent blocks version T960 model



## Product Codes

CODE	DESCRIPTION	DIMENSIONS	WEIGHT (KG)
GK-T960-3	T960 three block touch screen PCR thermal cycler	380x270x250mm	8.1
GK-T960-CT	T960 gradient touch screen PCR thermal cycler	380x270x250mm	8.1
GK-B960-CB	B960 gradient colour display PCR thermal cycler	380x270x250mm	7.8
GK-K960-CK	K960 PCR thermal cycler	380x270x250mm	7.2
GK-K960-CKF	KF960 PCR thermal cycler	380x270x250mm	7.2

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## K1 & K3 CHILLER RANGE



Our precision chillers benefit from a compact design with a small footprint, they can be easily moved on casters between applications or experiments and most of the range can effortlessly be stored on or beneath a bench. Offering accurate temperature control to 0.1°C precision with a choice of recirculating chillers, water-to-water heat exchangers and air blast coolers.

Providing great reliability and consistent temperature stability K1 and K3 range of chillers are quiet in operation and available with a range of pumps and standard options to suit your needs. Each chiller is specifically designed and manufactured to suit each customers requirement.

- Pressure gauge Internal bypass valve to adjust pump pressure, as standard
- Optional RS485 interface for PC connection
- Plastic moulded bath tanks, suitable for DI and nonferrous applications
- Low liquid level protection with optical and audible alarm signal
- The K1 has an exceptionally high 1.75kW cooling capacity
- Standalone filling level indicator, easy to access and change
- Vents are located on all faces for flexible installation

Product Codes \*More models available

CODE	MODEL	DESCRIPTION	COOLING CAPACITY
K105000	K1	K1 chiller with P5 pump 50 Hz	1.75kW
K105009	K1	K1 chiller with P5 pump 50/60Hz	1.75kW
K110000	K1	K1 chiller with P10 pump 50 Hz	1.75kW
K110009	K1	K1 chiller with P10 pump 50/60Hz	1.75kW
K305000	K3	K3 chiller with P5 pump 50Hz	3.3kW
K305009	K3	K3 chiller with P5 pump 50/60Hz	3.3kW
K310000	K3	K3 chiller with P10 pump 50 Hz	3.3kW
K310009	K3	K3 chiller with P10 pump 50/60 Hz	3.3kW

## K4, K6, K9, K12 INDUSTRIAL CHILLER RANGE



Our K4, K6, K9 and K12 coolers are powerful laboratory chillers with precision cooling performance. They are built to order to our customers' requirements and designed for use with applications in laboratory and industrial manufacturing processes.

Our precision chillers benefit from a compact design with a small footprint, they can be easily moved on casters between applications if required. With a surface mounted fan this range of coolers can effortlessly be stored on or beneath a bench.

ATC's higher cooling capacity chillers offer reliable cooling from 4.5kW to 14kW. The four sizes are available in a full range of configurations and can be tailored to your requirements.

- Versatile design, allowing for many standard and non-standard options
- Plastic moulded bath tanks, suitable for DI and nonferrous applications
- Easy filling from the top with tool-less entry panel and simple cap
- Vents are located on all faces for flexible installation
- Pressure gauge
- Internal bypass valve to adjust pump pressure, as standard
- Optional RS485 interface for PC connection

Product Codes \*More models available

CODE	MODEL	DESCRIPTION	COOLING CAPACITY
K405000	K4	K4 Chiller fitted with P05 pump single phase 50Hz	4.5kW
K605003	K6	K6 chiller with P5 pump 380-420V 50/60Hz Three Phase	6kW
K910003	K9	K9 chiller with P10 pump 380-420V 50/60Hz Three Phase	9kW
K121703	K12	K12 chiller with P17 pump 380-420V 50/60Hz Three Phase	14kW

# KT CHILLER RANGE

KT recirculating chillers are compact with a small footprint but robust in design. The chillers are vented on all faces and located on casters to allow for flexible use, including being effortlessly situated either on or beneath benches.

ATC KT chillers are designed and manufactured to our customers' requirements, they are created for use with applications in laboratory, research, and manufacturing processes. Quiet and reliable in use the range of chillers provide accurate temperature control to 0.1°C precision with a choice of recirculating chillers, water-to-water heat exchangers, and air blast coolers.

- Ultra-compact design
- Easy filling from the top with simple cap
- Large bright LED display
- Standalone filling level indicator, easy to access and change
- Splash proof keypad with integrated mains switch
- Vents are located on all faces for flexible installation
- Pressure gauge Internal bypass valve to adjust pump pressure, as standard
- Low liquid level protection with optical and audible alarm signal



Product Codes \*More models available

CODE	MODEL	DESCRIPTION	COOLING CAPACITY
KTR6000	KTR	KT chiller basic version (no controller or other indicators except an LED) 50 Hz	480W
KTC2000	KTC	KT LED Display 2 Litre high pressure pump 50 Hz	480W
KTD2000	KTD	KT Digital Controller High Pressure pump 50 Hz	480W
Kt10500	KT1	Kt1 chiller with P5 pump 50 Hz	1000W

# MINI CHILLER

The M-series range of chillers are the smallest and most advanced units produced by ATC. With a small footprint (similar to a desktop PC), and variable speed fan and compressor the Mini is ideal for the laboratory, where noise and space are concerns.

The Mini combines excellent cooling performance with a 24VDC internal circuit. This means that the M-series of chillers is both incredibly energy efficient, and suitable for any power supply (90-240V, 50/60Hz). Using a sophisticated touch screen controller, the Mini is capable of maintaining temperature stability of less than +/-0.1oC.

- Set temperature range of -10°C to +60°C
- A touchscreen interface
- Universal 90-260 VAC input voltage and 50/60Hz input frequency suitable for use all over the world
- Variable speed compressor and fan
- Options for both high- and low-pressure pumps
- Whisper quiet in operation



Product Codes

CODE	MODEL	DESCRIPTION	COOLING CAPACITY
M05061U	Mini	Mini chiller, touchscreen controller, 3l/min pump 90-230V 50/60Hz	500w
eM05061U	ecoMini	Ecomini - 500W Temp display	500w

# W SERIES CHILLERS



The W-series chillers are robust and provide a reliable supply of process coolant at constant temperature and pressure. Combining a high efficiency, corrosion resistant plate heat exchanger, compressor and a non-ferrous pump, the W-series is suitable for both glycol and deionised water.

By using R 134a refrigerant, fridge pressure is minimised and therefore allows operation in ambient temperatures as high as 55 °C. All Chillers in the W-series range incorporate an antifreeze thermostat to protect the plate heat exchanger and integrated pressure switches to protect the fridge circuit against high and low pressure.

- Visual water level
- High efficiency plate heat exchanger
- Corrosion resistant coolant circuit
- Operation up to 38 C ambient (standard)
- Antifreeze protection
- Plug & Play design



Product Codes \*More models available

CODE	MODEL	DESCRIPTION	COOLING CAPACITY
W081063	W081063	8kw outdoor chiller with P10, 380-420V 3phase	8kW
W161763	W161763	16kw outdoor chiller with P17, 380-420V 3phase	16kW
W242543	W242543	24kw outdoor chiller with P25, 380-420V 3phase	24kW
W324043	W324043	32kw outdoor chiller with P40, 380-420V 3phase	32kW
W408043	W408043	40kw outdoor chiller with P80, 380-420V 3phase	40kW

\*Other voltages are available

# R SERIES CHILLERS



The R-series range of 19" rack mounted chillers provide stable cooling water are designed to fit into standard electrical rack housings with a minimum depth of 600mm. This makes them ideal for cooling servers and reduces the loss of vital floorspace.

The R-series ranges from 0.5kW up to 2kW in cooling capacity. The R-series range of 19" rack mount chillers provide excellent reliability and cooling power in a compact enclosure. A stainless-steel reservoir provides an optimal thermal buffer whilst a stainless-steel evaporator ensures corrosion free operation, whilst being compatible with Deionised water.

- Digital temperature control provides simple adjustment
- Visual temperature display and control stability to +/- 0.75 °C, whilst +/-0.1 °C stability is provided as an option.
- Safety interlocks include low coolant level
- High coolant temperature and high/low gas pressure warning



Product Codes \*More models available

CODE	MODEL	DESCRIPTION	COOLING CAPACITY
R05031U	R0	Mini chiller, touchscreen controller, 3l/min pump 90-230V 50/60Hz in rack	0.5kW
R100400	R1	1.15kW rack mounted chiller with P3, 230 50Hz	1.15kW
R200400	R2	1.9kW rack mounted chiller with P4, 230 50Hz	1.9kW

\*Other voltages are available



# ATC Chiller Promotion

ATC

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## COMBINATION PCR WORKSTATION

Gallenkamp's AC600 Series PCR Workstations combine ISO 5 HEPA filtered air with UV light irradiation for the ultimate DNA/RNA manipulation and amplification work area. Cross contamination during amplification of DNA and RNA can lead to results that are inaccurate, costing the lab technician valuable time and reagents. PCR Workstations minimize this risk by keeping airborne contaminants away from samples and irradiating work surfaces and tools between amplifications. RT-PCR Panel for Detection 2019-Novel Coronavirus

- Available in standard height or tall version
- Clear polycarbonate shell for 360° visibility
- UV and fluorescent lights
- No installation required - plugs directly into a standard 110V or 220V electrical outlet
- No ductwork required
- Access port for electrical cords



### Product Codes

CODE	MODEL	DESCRIPTION	EXTERNAL DIMENSIONS WxDxH	INTERNAL DIMENSIONS WxDxH
SYN-32PWLF-E	32" wide	32" wide combination PCR workstation with UVTect microprocessor controller.	813 x 610 x 762	787 x 584 x 457
SYN-32PWTLF-E	32" wide Tall version	32" wide combination PCR workstation with UVTect microprocessor controller.	813 x 610 x 991	787 x 548 x 686
SYN-48PWLF-E	48" wide	48" wide combination PCR workstation with UVTect microprocessor controller.	1220 x 610 x 813	1194 x 584 x 457
SYN-48PWTLF-E	48" wide Tall version	48" wide combination PCR workstation with UVTect microprocessor controller.	1220 x 610 x 1067	1194 x 584 x 737

## DEAD AIR BOX

GallenKamp's dead air boxes provide a circulation-free environment for the amplification and manipulation of DNA/RNA. Each dead air box is standard with UVTect microprocessor controller and a 254nm ultraviolet light source for irradiation between amplifications. A safety interlock switch disables the UV light when the sash is raised, preventing operator exposure. Seamless design and UV reflective construction materials further ensure no harmful UV energy escapes the enclosure.

- No ductwork required
- No installation required - plugs directly into a standard 110V or 220V electrical outlet
- UV shelf with built-in pipettor holder
- UVTect™ microprocessor controller
- Digital UV light timer :01-59 minutes
- Lab event timer
- Access port for electrical cords



### Product Codes

CODE	MODEL	DESCRIPTION	EXTERNAL DIMENSIONS WxDxH	INTERNAL DIMENSIONS WxDxH
SYN-32DBC-E	32" wide	32" wide dead air box with UVTect Controller.	813 x 610 x 762	787 x 584 x 457
SYN-48DBC-E	48" wide	48" wide dead air box with UVTect Controller.	1219 x 610 x 762	1194 x 584 x 584



# AC600 SERIES UPUV CLASS 1 BIOLOGICAL SAFETY WORKSTATION

The AC600 Series UPUV workstation is designed to safely handle of biological samples as well as a safe area to open small packages. The UPUV workstation protects the operator from exposure to airborne pathogens and provides UV-C light for decontamination of materials and the work area. The UPUV workstation uses proven HEPA technology for capturing potentially harmful toxins. All UPUV workstations are leak tested and certified, at our factory, with a 0.2 to 0.5 micron aerosol and then scanned for bypass. Units carry certification results for future verification.

- No ductwork required
- No installation required - plugs directly into a standard 110V or 220V electrical outlet
- Clear polycarbonate shell for 360° visibility
- UVTect® microprocessor controller
- UV and fluorescent lights
- Seamless plastic design -no joints or gaps in construction
- Lab event timer
- Digital UV light timer :01-59 minutes
- Access port for electrical cords



## Product Codes

CODE	DESCRIPTION	EXTERNAL DIMENSIONS WXDxH	INTERNAL DIMENSIONS WXDxH
SYN-AC632A220-E	32" wide ductless chemical workstation fitted with AirSafe automatic safety controller.	813x635x762	787x584x483
SYN-AC632TA220-E	32" wide ductless chemical workstation (dual filter grid-tall version). Workstation fitted with AirSafe automatic safety controller.	813x635x1016	787x584x660
SYN-AC632TAS220-E	32" wide ductless chemical workstation (single filter grid-tall version). Workstation fitted with AirSafe automatic safety controller.	813x635x1016	787x584x737
SYN-AC648A220-E	48" wide ductless chemical workstation fitted with AirSafe automatic safety controller.	1220x635x787	1194x584x483
SYN-AC648A220-E	48" wide ductless chemical workstation fitted with AirSafe automatic safety controller.	1220x635x1041	1194x584x660
SYN-AC648TAS220-E	48" wide ductless chemical workstation (single filter grid-tall version). Workstation fitted with AirSafe automatic safety controller.	1220x635x1041	1194x584x737

# VERTICAL LAMINAR FLOW WORKSTATION

AC600 Series vertical laminar flow workstations are ideal for non-hazardous applications that require a clean work area. These compact, lightweight workstations provide positive-pressure, ISO 5 air throughout the chamber and sash opening, thus keeping airborne particulate away from sensitive applications. Given the small footprint and ease of installation (simply plug in the power cord), the AC600 Series vertical laminar flow workstations are an excellent choice for mobile 'clean zones' within your facility.

- No ductwork
- No installation required-plugs directly into a standard 110V or 220V electrical outlet
- Polypropylene construction for chemical resistance
- ISO 5 vertical laminar flow air
- Integral fluorescent lighting



## Product Codes

CODE	MODEL	DESCRIPTION	EXTERNAL DIMENSIONS WXDxH	INTERNAL DIMENSIONS WXDxH
SYN-32DWASH-E	32"	32" wide Ductless Workstation with AirSafe controller and HEPA filter installed	813x610x762	787x584x457
SYN-32DWASU-E	32"	32" wide Ductless Workstation with AirSafe controller and ULPA filter installed	813x610x762	787x584x457

# ISO 5 LAMINAR FLOW MICROSCOPE ENCLOSURE

The up-flow microscope enclosure protects the operator from gases, fumes or particulate with bonded carbon or HEPA filtration. AirSafe™ automatic safety controller constantly monitors filter and airflow conditions and allows one-touch control of all enclosure features. This configuration does not provide process protection.

- Sash closure allows for maximum operator protection without compromising airflow
- Constructed from UV and chemical resistant materials
- Shipped fully assembled and ready for use- no installation required
- Microprocessor controlled
- Audible and visible alarms



## Product Codes

CODE	MODEL	DESCRIPTION	EXTERNAL DIMENSIONS WXDxH	INTERNAL DIMENSIONS WXDxH
SYN-32OPAS-E	32"	32" wide Operator Protect with AirSafe Controller and microscope sash. Unit requires 1 filter for operation	813x610x1016	787x584x737
SYN-48OPAS-E	48"	48" wide operator protection enclosure fitted with AirSafe automatic safety controller, access ports in rear of enclosure and vapor proof fluorescent light. Enclosure requires 2 like filters for operation, not included in price.	1219x610x1067	1194x584x686

# POWDERSAFE TYPE A ENCLOSURE

The PowderSafe Type A enclosures provide a safe and effective weighing environment for toxic compounds and/or liquid chemicals. Engineered specifically for balances. PowderSafe Type A enclosures protect the operator by capturing particulate in HEPA filtration without sacrificing balancing stability. These compact, ductless enclosures are factory leak tested, certified, and shipped fully assembled for simple installation on any countertop.

- AirSafe™ automatic safety controller
- SafeChange™ technology for pre-filter changeout
- Compact ergonomic design takes up less space than similar enclosures
- Tested with 3- and 4- place balances
- Portable HEPA filtration – NO DUCTWORK REQUIRED
- Electrical cord access ports



## Product Codes

CODE	MODEL	DESCRIPTION	EXTERNAL DIMENSIONS WXDxH	INTERNAL DIMENSIONS WXDxH
SYN-32PSAC-E	32"	Powdersafe Type A enclosure	813x610x762	787x584x483
SYN-32PSACTALL-E	32" Tall version 60"	Powdersafe Type A enclosure, tall version	813x610x1016	787x584x660
SYN-48PSAC-E	48"	Powdersafe Type A enclosure	1219x610x762	1194x584x483
SYN-48PSACTALL-E	48" Tall version	Powdersafe Type A enclosure, tall version	1219x610x1041	1194x584x660

# ROTARY EVAPORATOR ENCLOSURE

AirClean® Systems rotary evaporator enclosures are engineered specifically for enclosing rotary evaporators, chromatography equipment and robotic equipment while allowing unrestricted access for operator interaction. The clear polycarbonate shell and horizontal sliding doors provide visibility and ergonomic access for monitoring the enclosed equipment. The AirSafe™ automatic safety controller maintains airflow and constantly monitors filter condition. At only 24 inches deep and 38 inches wide, this enclosure takes up very little counter space

- AirSafe® automatic safety controller
- Integral base with deep spill lip
- No ductwork required
- No installation required - plugs directly into a standard 110V or 220V electrical outlet
- Extremely quiet operation < 49dBA
- Encloses equipment while retaining full operator access
- Lab event timer
- Horizontal sliding access doors for equipment manipulation
- Gas phase bonded carbon filtration



## Product Codes

CODE	DESCRIPTION	EXTERNAL DIMENSIONS WXD XH	INTERNAL DIMENSIONS WXD XH
SYN-AC23824A220-E	38" wide rotary evaporator ductless chemical workstation with AirSafe controller (operates in HIGH/LOW Speed ONLY) includes one ACF100 filter in the purchasing price. Unit is standard with three horizontal sliding polycarbonate doors. 220V AC	965x810x1219	940x533x965

# VERTICAL LAMINAR FLOW CLEAN BENCHES

Gallenkamp laminar flow clean benches set the standard in quality, design, and innovation that comes from a heritage of over 25 years of experience. We know how important it is to offer a high level of protection to operators, samples, and the environment with advanced technology. With an extensive track record of safety, reliability and performance, Gallenkamp cabinets and benches make an ideal investment for a wide range of applications.



## Product Codes

CODE	MODEL	DESCRIPTION	EXTERNAL DIMENSIONS WXD XH	INTERNAL DIMENSIONS WXD XH
GKSafe-Alpha1300	Alpha Clean 1300	Vertical laminar flow clean bench HEPA filter	1500x760x1630 with base stand	1380x650x510

# BIOLOGICAL SAFETY CABINETS



Gallenkamp biosafety cabinets set the standard in quality, design, and innovation that comes from a heritage of over 25 years' experience. We know it is important to offer a high level of protection to operator, sample and environment with advanced technology. With an extensive track record of safety, reliability and performance, Gallenkamp cabinets make ideal investment for a wide range of applications including work with infectious agents that require biosafety level 1,2,3 containment.

- 200 mm height window front with ±5mm precision position alarm
- Filter life indication with audio & visual alarm system
- Integrative stainless steel inner structure & coved corner facilitate cleaning
- Integrated armrest enhances user comfort and prevents airflow disorder
- 10° inclined angle sash offers wider and brighter operation zone
- Foot control is available
- 2 built-in waterproof sockets enable device operation
- 3 valves for extendable functions
- User-friendly control panel

## Product Codes

CODE	MODEL	DESCRIPTION	EXTERNAL DIMENSIONS WDXH	INTERNAL DIMENSIONS WDXH
GKSafe-1200LC	1200LC	Class II Type A2 Biological Safety cabinet Manual control, ULPA filter, 30% Air Exhaust, Interlocked UV light.	1340x790x2130	1250x575x625
GKSafe-900LC	900LC	Biological safety cabinet Manual control, ULPA filter, 30% Air Exhaust, Interlocked UV light.	1040x790x2130	950x575x625
GKSafe-1500LC	1500LC	Biological safety cabinet Manual control, ULPA filter, 30% Air Exhaust, Interlocked UV light.	1640x790x2130	1550x575x625



## Product Codes

CODE	MODEL	DESCRIPTION	EXTERNAL DIMENSIONS WDXH	INTERNAL DIMENSIONS WDXH
GKSafe-1800LC	1800LC	Biological safety cabinet Manual control, ULPA filter, 30% Air Exhaust, Interlocked UV light.	1940x790x2130	1850x575x625
GKSafe-900LA	900LA	Class II Type A2 Biological Safety cabinet Motorised control, ULPA filter, 30% Air Exhaust, Interlocked UV light.	-	-
GKSafe-1200LA	1200LA	Class II Type A2 Biological Safety cabinet Motorised control, ULPA filter, 30% Air Exhaust, Interlocked UV light.	-	-
GKSafe-900LCB2	900LC B2	Class II Type B2 Biological safety cabinet Manual control, UPLA and HEPA filters, 100% Air Exhaust.	1040x790x2200	950x575x625
GKSafe-1200LCB2	1200LC B2	Class II Type B2 Biological safety cabinet Manual control, UPLA and HEPA filters, 100% Air Exhaust.	1340x790x2200	1250x575x625
GKSafe-1500LCB2	1500LC B2	Class II Type B2 Biological safety cabinet Manual control, UPLA and HEPA filters, 100% Air Exhaust.	1640x790x2200	1550x575x625
GKSafe-1800LCB2	1800LC B2	Class II Type B2 Biological safety cabinet Manual control, UPLA and HEPA filters, 100% Air Exhaust.	1940x790x2200	1850x575x625

# CYTOTOXIC SAFETY CABINET



Gksafe CY series of Class 2 Safety cabinet with 'Safe Change' triple filter configuration is your guarantee of highest level of safety when processing hazardous materials such as Cytostatic, Virus-static pharmaceuticals and category 3 pathogens. Whether in research, production or dispensing, the GKsafe CY cabinets keeps you, your laboratory and the environment safe and contamination free at all times.

- EBM-PAPST Self-induced Blower
- ULPA Filtration System
- Filter Life Indication
- Quadruple Airflow Monitoring
- Friendly communication
- Robust construction & compact design
- 1st V-Shaped HEPA filter



## Product Codes

CODE	MODEL	DESCRIPTION	EXTERNAL DIMENSIONS WDXH
GKSAFE-1200CY	1200CY	Cytotoxic safety cabinet	1340x850x2190



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## EUROSTAR 20 DIGITAL ELECTRONIC OVERHEAD STIRRER



Laboratory stirrer designed for simple stirring tasks for quantities up to 15 l (H<sub>2</sub>O). It automatically adjusts the speed through microprocessor-controlled technology within the speed range of 0/30 - 2000 rpm. Safety circuits installed ensures automatic cutoff in an anti-stall or overload conditions. Continuous comparison of shaft speed to desired speed is maintained and variations are adjusted automatically. This guarantees a constant speed even with changes in viscosities of the sample.

- Digital speed display
- Infinitely adjustable speed
- Push-through agitator shafts
- Overload protection
- Slim casing
- Quiet operation

### Product Codes

CODE	DESCRIPTION	CAPACITY , L	MAX VISCOSITY MPAS	MOTOR RATING OUTPUT, W	SPEED RANGE RPM	DISPLAY
EUROSTAR 20 digital	Electronic overhead stirrer	15	10000	42	0/30 - 2000	LED

## EUROSTAR 60 DIGITAL ELECTRONIC OVERHEAD STIRRER



Universally used strong laboratory stirrer for quantities up to 40 l (H<sub>2</sub>O). It automatically adjusts the speed through microprocessor-controlled technology within the speed range of 0/30 - 2000 rpm. Safety circuits installed ensures automatic cut-off in an anti-stall or overload conditions. Continuous comparison of shaft speed to desired speed is maintained and variations are adjusted automatically. This guarantees a constant speed even with changes in viscosities of the sample.

- Digital speed display
- Infinitely adjustable speed
- Push-through agitator shafts
- Overload protection
- Slim casing
- Quiet operation

### Product Codes

CODE	DESCRIPTION	CAPACITY , L	MAX VISCOSITY MPAS	MOTOR RATING OUTPUT, W	SPEED RANGE RPM	DISPLAY
EUROSTAR 60 digital	Electronic overhead stirrer	40	50000	126	0/30 - 2000	LED

# ROCKER 3D BASIC SHAKER

IKA®

Shaker with three-dimensional tumbling motion and a fixed speed for smooth mixing tasks. Used for homogeneous mixing in flasks, culture flasks, Petri dishes and tubes. Ideal for e.g., the cultivation of cell cultures, DANN extractions, distributing of cells and staining and de-staining of cells. Even with load and voltage fluctuations, shaking speed remains constant. A fixed angle ensures reproducible test results.

- Anti-slip rubber mat included
- Easy operation with touch keypad
- Suitable for continuous operation
- Shaking diameter: 8° (angle)
- Speed range: 30 rpm (fixed)



## Product Codes

CODE	SPEED RPM	TYPE OF MOVEMENT	DIMENSIONS (WXHxD MM)	WEIGHT KG
Rocker 3D basic	0-30	Tumbling	280x165x330	2.2

# RCT BASIC

IKA®

The best seller in laboratories: Strong motor for a higher range of speeds, additional temperature control mode for faster heating of medium

- Integrated temperature control
- Incl. PT 1000 temperature sensor (PT 1000.60) and protection cover H 100
- Exact temperature and speed setting via digital display, even when switched off
- Safety magnetic stirrer with heating, suitable for unsupervised operation



## Product Codes

CODE	STIRRING QTY MAX, L	SPEED RPM	DISPLAY	DIMENSIONS (WXHxD MM)	WEIGHT KG
RCT basic	20	50-1500	LED	160x85x270	2.5

# MINI MR STANDARD

IKA®

Powerful magnetic stirrer without heating function.

- For stirring quantities up to 1,000 ml (H<sub>2</sub>O)
- Infinitely variable speed from 0 - 2,500 rpm
- White set-up plate suitable for observing colour reactions



## Product Codes

CODE	STIRRING QTY MAX, L	SPEED RPM	DISPLAY	DIMENSIONS (WXHxD MM)	WEIGHT KG
Mini MR Standard	1	0-2500	LED	115X37X129	0.22

# C-MAG MS 7

IKA®

Magnetic stirrer without heating. With ceramic set-up plate which offers excellent chemical resistance.

- Powerful motor for stirring quantities of up to 10 l (H<sub>2</sub>O)
- Elevated control panel for protection against leaking liquids
- Speed range: 100 - 1500 rpm



## Product Codes

CODE	STIRRING QTY MAX, L	SPEED RPM	DIMENSIONS (WXHxD MM)	WEIGHT KG
C-MAG MS 7	10	100-1500	220x105x335	5







## GENLAB DUAL PURPOSE BENCHTOP OVENS/INCUBATORS

The Genlab range of Dual-purpose Ovens / Incubators combine the advantage of two temperature ranges in the same unit. Using bespoke firmware designed specifically for this chamber size, and a calibration class temperature sensor, we can offer accurate control up to 250.0°C without temperature overshoot. Available in a variety of sizes and designed with both side or base mounted displays to suit your exact needs. Featuring our latest touch screen control system which offers intuitive control and excellent accuracies designed for industrial and laboratory incubators.

- 6 sizes 50 to 200 litres (base mount controller design with fan)
- 6 sizes 50 to 200 litres (side mount controller design)
- Temp range (Ambient +8°C) to 250.0°C
- Manual or automatic overheat reset
- High accuracy Pt100A duplex sensors <0.6°C
- New - Set point lock feature

Product Codes (Base Mount) \*more sizing available

CODE	DESCRIPTION	CAPACITY ,L	NO OF SHELVES	SHELF POSITIONS	EXT. DIMS W X D X H
MINIS/6 /TDIG	Dual-Purpose Benchtop Incubator/Oven with Fan	50	2	3	630x610x660
MINIS/1 8/TDIG	Dual-Purpose Benchtop Incubator/Oven with Fan	75	2	3	630x740x660
MINIS/3 OTDIG	Dual-Purpose Benchtop Incubator/Oven with Fan	100	3	4	630x740x780
MINIS/4 0/TDIG	Dual-Purpose Benchtop Incubator/Oven with Fan	125	3	5	630x740x880
MINIS/5 0/TDIG	Dual-Purpose Benchtop Incubator/Oven with Fan	150	3	5	630x820x880



Product Codes (Side Mount) \*more sizing available

CODE	DESCRIPTION	CAPACITY ,L	NO OF SHELVES	SHELF POSITIONS	EXT. DIMS W X D X H
DP/50/T DIG/F	Dual-Purpose Benchtop Incubator/Oven Standard Interior, with Fan	50	2	3	730x480x580
DP/75/T DIG/F	Dual-Purpose Benchtop Incubator/Oven Standard Interior, with Fan	75	2	3	850x480x580
DP/100/TDIG	Dual-Purpose Benchtop Incubator/Oven Standard Interior, with Fan	100	3	4	850x590x580
DP/125/TDIG/F	Dual-Purpose Benchtop Incubator/Oven Standard Interior, with Fan	125	3	5	850x590x690
DP/150/TDIG/F	Dual-Purpose Benchtop Incubator/Oven Standard Interior, with Fan	150	3	5	850x670x690

## GENLAB MULTI PURPOSE BENCHTOP INCUBATORS

Genlab Benchtop Incubators offer a selection of highly efficient, reliable & cost effective incubators to suit most biological analysis, research & general laboratory applications. Available in a variety of sizes & designed with side or base mounted displays to suit your needs. They feature the latest touch screen control system, offering intuitive control & excellent accuracies.

- 10 sizes (6 to 200 litres - base mount controller design)
- 6 sizes (50 to 200 litres - side mount controller design)
- Temperature range (ambient +5)°C to 70°C
- Fluctuation +/- 0.25°C @ 37°C
- Manual or automatic overheat reset
- High accuracy PT100B duplex sensors <0.8°C
- New - set point lock feature

Product Codes (Base Mount) \*more sizing available

CODE	DESCRIPTION	CAPACITY ,L	NO OF SHELVES	SHELF POSITIONS	EXT. DIMS W X D X H
MINI/6/ DIG	Multi-purpose Benchtop Incubators to 70C with Fan	6	1	1	350x330x460
MINI/18/ DIG	Multi-purpose Benchtop Incubators to 70C with Fan	18	2	2	380x410x550
MINI/30 /DIG	Multi-purpose Benchtop Incubators to 70C with Fan	30	2	2	480x630x510
MINI/40 /DIG	Multi-purpose Benchtop Incubators to 70C with Fan	40	2	3	480x630x540
MINI/50 /DIG	Multi-purpose Benchtop Incubators to 70C with Fan	53	2	3	630x610x660



Product Codes (Side Mount) \*more sizing available

CODE	DESCRIPTION	TEMP RANGE ,L	CAPACITY ,L	NO OF SHELVES	SHELF POSITIONS	EXT. DIMS W X D X H
INC/50 /DIG	Multi-purpose Benchtop Incubators to 70C with Fan	40 °C to 250 °C	58	2	3	730x480x580
INC/75 /DIG	Multi-purpose Benchtop Incubators to 70C with Fan	40 °C to 250 °C	78	2	3	850x480x580
INC/10 0/DIG	Multi-purpose Benchtop Incubators to 70C with Fan	40 °C to 250 °C	102	3	4	630x720x780
INC/12 5/DIG	Multi-purpose Benchtop Incubators to 70C with Fan	40 °C to 250 °C	126	3	5	630x740x880
INC/15 0/DIG	Multi-purpose Benchtop Incubators to 70C with Fan	40 °C to 250 °C	149	3	5	850x670x690

# GENLAB PRIME INCUBATOR



The Genlab range of Prime Incubators are the flagship brand of Genlab Incubators. They are built to the highest standards and packed with many features and enhancements. As standard, the Prime range offers a mirror polished stainless-steel interior, increased accuracies, and an extended temperature range of 100.0°C. It also features our latest touch screen control system which offers intuitive control designed for laboratory incubators.

- 7 sizes 30 to 200 litres
- Mirror Polished Stainless Steel Internal Chamber
- Temperature range (ambient+5) °C to 100.0°C
- 8 Stage profile control
- Increased ramp up/recovery times
- Fan assisted circulation
- New - Set point lock feature

## Product Codes

CODE	DESCRIPTION	CAPACITY ,L	NO OF SHELVES	SHELF POSITIONS	EXT. DIMS WXDxH
PRO/50 /TDIG	Prime Benchtop Oven to 250C/300C	50	2	3	630x590x660
PRO/75 /TDIG	Prime Benchtop Oven to 250C/300C	75	2	3	630x720x660
PRO/100 /TDIG	Prime Benchtop Oven to 250C/300C	100	3	4	630x720x780
PRO/125 /TDIG	Prime Benchtop Oven to 250C/300C	125	3	5	630x720x880
PRO/150 /TDIG	Prime Benchtop Oven to 250C/300C	150	3	5	630x800x880
PRO/200 /TDIG	Prime Benchtop Oven to 250C/300C	200	4	7	850x670x890

# CONTROL INCUBATOR SHAKER



The control Incubator range from IKA are benchtop incubator shakers. Available in two models the KS 3000i and KS 4000i, the KS 3000i model can shake a maximum weight of 7.5kg with a 20mm orbital diameter. The KS 4000i model can shake a maximum weight of 20kg with a 20mm orbital diameter. The innovative incubator shaker design allows unattended operation in a temperature-controlled environment.

- Large LED display for speed and time settings
- Controls with antimicrobial coating for reduction of bacteria
- Integrated PID temperature control (use of two PT 1000 temperature sensors)
- Electronic temperature and speed control
- Optional built-in cooler for connection to an external cooling unit e.g. RC 2 basic / control
- Unit stops automatically when hood is lifted
- Collecting tray with drain hose on rear of unit
- All functions can be controlled and documented with labworldsoft®

## Product Codes

CODE	DESCRIPTION	TEMP RANGE	SPEED RANGE RPM	EXT. DIMS WXDxH MM
KS 3000 I control	Incubator shaker	RT+50C to 800C	10-500	465x430x695
KS 3000 ic control	Incubator shaker, built-in cooler	RT+50C to 800C	10-500	465x430x695
KS 4000 I control	Incubator shaker	RT+50C to 800C	10-500	580x520x750
KS 4000 ic control	Incubator shaker, built-in cooler	RT+50C to 800C	10-500	580x520x750

# WATER JACKETED CO<sub>2</sub> INCUBATOR

GK160W is a water jacketed CO<sub>2</sub> incubator, with HEPA filtration system. The large size Gallenkamp GK160W CO<sub>2</sub> incubator incorporates a water jacketed system. Due to the heat retention characteristics of water, there is no sudden temperature change in the event of an unexpected power failure. A stable temperature environment is ensured. GK160W applies long term effectiveness of the HEPA filter to protect your cultures. The filter is very efficient to entrap particulates larger than 0.3µm at 99.97%. The HEPA filter system runs continuously and within every 60 seconds, the volume of entire chamber is disinfected. With help of HEPA filter, the air quality achieves Class 100 clean room levels within 5 minutes following a door opening.

The GK160W has Optimized air flow system ensures the temperature and CO<sub>2</sub> concentration to be stable and uniform within the chamber. GK160W combines precise CO<sub>2</sub> control with a choice of TC or IR sensors. The microprocessor will automatically "Zero" the incubator (IR type) using room air as a reference every 24 hours. Auto-start function for TC type ensures the sensor's baseline automatically reset without manual adjustment. These features will maintain an accurate CO<sub>2</sub> control without worrying about CO<sub>2</sub> drift. GK160W is able to create a high humidity environment and the relative humidity (RH) is displayed on the panel, readable in 0.1% increments, including low RH programmable alarm (alerts you of need to add water).

- 185L interior capacity
- HEPA filter to guarantee Class 100 air quality
- AUTO-ZERO/AUTO-START function
- Humidity display and alarm system



## Product Codes

CODE	CAPACITY, L	SENSOR TYPE	EXTERNAL DIMENSIONS W xHxD mm	INTERNAL DIMENSIONS W xHxD mm
GK-160WEX	185L	IR	655x656x1030	544x504x681
GK-160WEXT	185L	TCD	655x656x1030	544x504x681

# AIR JACKETED CO<sub>2</sub> INCUBATOR

GK 240 (240 liters interior capacity) is a direct heat, air jacketed CO<sub>2</sub> incubator, with 90 moist heat decontamination system. A reliable air jacketed heating system combined with PT1000 temperature sensors ensures high precision with homogenous heat distribution in the interior. Outstanding dynamics ensure short recovery times and balance out any fluctuations caused by door open for Gallenkamp CO<sub>2</sub> incubators. The high air humidity prevents cell cultures from drying out and also keeps the osmolarity constant in the culture medium. With our CO<sub>2</sub> incubators, you can work with air humidity up to 95% while the internal walls remain completely dry.

The patented tilted water reservoir system keeps the air humidity absolutely stable. All gas injection lines are filtered via HEPA filter to remove impurities and contaminants before being injected into the chamber. The HEPA filter is able to filter particles larger than 0.3µm at 99.998%. The cleaning process is significantly simplified by Gallenkamp's unique, seamless, deep-drawn interior chamber. GK Incubators offer the best usable-space-to-volume ratio due to the total absence of any additional fittings in the interior chamber. Six half-size sealed inner glass doors (GK240) maintain stable climatic conditions, minimizes any changes to the humidity, heat and gas concentration, shortens recovery times significantly and also further reduces the risk of contamination. This makes it possible for several users to work with the same equipment.

- 90 decontamination system
- Completely safe for cell culture
- Environmental improvement with high precision
- Precise Co<sub>2</sub> control and immediate recover



## Product Codes

CODE	CAPACITY , L	SENSOR TYPE	EXTERNAL DIMENSIONS WxHxD mm	INTERNAL DIMENSIONS WxHxD mm
GK-90	151L	Air jacketed CO <sub>2</sub> incubator	637x762x909	470x530x607
GK-100-EX1H	151L	Air Jacketed Tri-gas incubator (high Oxygen)	655x656x1030	544x504x681
GK-100-EX1L	151L	Air Jacketed Tri-gas incubator (Low Oxygen)	637x869x768	470x607x530
GK-100-EX0T	151L	Air Jacketed Tri-gas incubator (TCD CO <sub>2</sub> sensor)	637x869x768	470x607x530
GK-100-EX0I	151L	Air Jacketed Tri-gas incubator (IR CO <sub>2</sub> sensor)	637x869x768	470x607x530
GK-151UV	151L	Air jacketed CO <sub>2</sub> incubator with UV disinfection	615x768x865	470x530x607
GK-212UV	212L	Air Jacketed CO <sub>2</sub> incubator with UV disinfection	910x763x795	600x588x600
GK-240-EX	240L	Air jacketed CO <sub>2</sub> incubator with 3 standard shelves	780x820x944	607x583x670
GK-240-EXA6	240L	Air jacketed CO <sub>2</sub> incubator with 6 half shelves	780x820x944	607x583x670





## GALLENKAMP VACUUM OVENS



By using reduced pressure, the Fistream vacuum oven enables heat sensitive materials to be dried at low temperatures. Alternatively, more stable samples may be dried at higher temperatures, without fan circulation. This oven is also particularly useful for controlled atmosphere heating (e.g. curing of resins under nitrogen or reduced oxygen conditions). Since the inner chamber is sealed, it may also be suitable for solvent removal work, subject to adequate exhaust and ventilation conditions being provided for the oven and room respectively. A completely independent safety thermostat is fitted to protect the oven and its contents from incorrect setting or a fault in the main thermostat system. A fault indicator lamp lights up should the safety thermostat come into operation.

- Digital pid controller for easy and faster
- Temperature setting with over temperature alarm indication
- Independent over temperature safety protection
- Easy to read vacuum gauge
- Highly versatile oven for atmospheric or reduced atmosphere operation
- Suitable for solvent removal
- Tough steel construction with strong door closure
- Toughened glass window with polycarbonate safety screen
- Front mounted push-on connectors



### Specifications

SPECIFICATIONS	
Temperature Range, °C	30-260 at ambient temperature less than 25
Power ratings, W	1000 nominally @240V
Tubing connection	10-12mm bore
Shelf WxD, mm	366x290

### Product Codes

CODE	DESCRIPTION	CAPACITY ,L	NO OF SHELVES	SHELF POSITIONS	EXT. DIMS WxDxH
OVA031-XX3.5	Vacuum Oven 31 lts 220-240v	31	3	2	630x425x420

## GENLAB CLASSIC OVEN

The GENLAB Classic Range of ovens offers a selection of highly efficient, reliable, and cost-effective units to suit most drying, warming, and general laboratory applications. The simple to use thermostat system is good for teaching purposes and the units can be built up to meet individual requirements.

- 6 sizes 18 to 100 litres
- Fluctuation +/- 0.75 °C
- Easy to use thermostatic control
- Independent overheat thermostat
- Easy clean powder coated body



### Product Codes

CODE	DESCRIPTION	TEMP RANGE , °C	CAPACITY , L	NO OF SHELVES	SHELF POSITIONS	EXT. DIMS WxDxH
MINO/8	General Purpose Oven to 250°C, classic range	40 °C to 250 °C	18	2	2	630x590 x660
MINO/30/F	General Purpose Oven to 250°C, classic range with Fan	40 °C to 250 °C	30	2	2	630x720 x660
MINO/40/F	General Purpose Oven to 250°C, classic range, with Fan	40 °C to 250 °C	40	2	3	630x720 x780
MINO/50/F	General Purpose Oven to 250°C, classic range, with Fan	40 °C to 250 °C	50	2	3	630x720 x880
MINO/75/F	General Purpose Oven to 250°C, classic range, with Fan	40 °C to 250 °C	75	2	3	630x800 x880
MINO/100/F	General Purpose Oven to 250°C, classic range, with Fan	40 °C to 250 °C	100	3	3	850x670 x890

# GENLAB PRIME OVEN



The GENLAB range of Prime Ovens are the flagship brand of Genlab Ovens. They are built to the highest standards and packed with many features and enhancements. As standard, the Prime range offers a heavy-duty stainless-steel interior, increased accuracies on our standard models and are quicker responding. This range can offer increased load capability, multiple reinforced shelves and operate at 300 °C continuously. It features our latest touch screen control system which offers intuitive control, designed for industrial and laboratory ovens.

- 6 sizes 30 to 200 litres
- Stainless Steel Internal Chamber
- Temperature range: 40°C to 250°C (300°C option)
- Count down timer
- Manual or automatic overheat reset
- Fan assisted circulation
- Energy efficient with integral energy meter
- New - Set point lock feature

## Product Codes

CODE	DESCRIPTION	TEMP RANGE	CAPACITY , L	NO OF SHELVES	SHELF POSITIONS	EXT. DIMS W X D X H
PRO/30 /TDIG	Prime Benchtop Oven to 250C/300C	40°C to 250°C	30	2	2	500x620 x570
PRO/50 /TDIG	Prime Benchtop Oven to 250C/300C	40°C to 250°C	50	2	3	630x590 x660
PRO/75/ TDIG	Prime Benchtop Oven to 250C/300C	40°C to 250°C	75	2	3	630x720 x660
PRO/100/TDIG	Prime Benchtop Oven to 250C/300C	40°C to 250°C	100	3	4	630x720 x780
PRO/125 /TDIG	Prime Benchtop Oven to 250C/300C	40°C to 250°C	125	3	5	630x800 x880
PRO/150 /TDIG	Prime Benchtop Oven to 250C/300C	40°C to 250°C	150	3	5	630x800 x880
PRO/200 /TDIG	Prime Benchtop Oven to 250C/300C	40°C to 250°C	200	4	7	630x800 x1080

# GENLAB MULTI PURPOSE BENCHTOP OVENS



The Genlab range of Benchtop Ovens offers a range of highly efficient, reliable, and cost-effective ovens to suit most warming, drying and heat treatment processes. Available in a variety of sizes and designed with both side or base mounted displays to suit your exact needs. Featuring our latest touch screen control system which offers intuitive control and excellent accuracies designed for industrial and laboratory ovens.

- 8 sizes 30 to 200 litres (base mount controller design)
- 6 sizes 50 to 200 litres (side mount controller design)
- Temp range 40°C to 250°C
- On screen historical trending (48 hours)
- Manual or automatic overheat reset
- High accuracy Pt100B duplex sensors <0.8°C
- Excellent stability <+/-0.6°C (fan assisted)
- Low chamber uniformity
- Energy efficient with integral energy meter
- New - Set point lock feature

## Product Codes (Bench Mount) \*more sizing available

CODE	DESCRIPTION	TEMP RANGE	CAPACITY , L	NO OF SHELVES	SHELF POSITIONS	EXT. DIMS W X D X H
MINO/30/ DIG/F	Multi-purpose Benchtop Oven to 250C, with Fan	40°C to 250°C	30	2	2	500x630 x510
MINO/40/ " DIG/F	"	40°C to 250°C	40	2	3	500x630 x540
MINO/50/ " DIG/F	"	40°C to 250°C	50	2	3	630x610 x660
MINO/75/ " DIG/F	"	40°C to 250°C	75	2	3	630x740 x660
MINO/100 " /DIG/F	"	40°C to 250°C	100	3	4	630x740 x780
MINO/125 " /DIG/F	"	40°C to 250°C	125	3	5	630x740 x880
MINO/150 " /DIG/F	"	40°C to 250°C	150	3	5	630x820 x880

## Product Codes (Side Mount) \*more sizing available

CODE	DESCRIPTION	TEMP RANGE	CAPACITY , L	NO OF SHELVES	SHELF POSITIONS	EXT. DIMS W X D X H
OV/50/ TDIG/F	Multi-purpose Benchtop Oven to 250C, with Fan	40°C to 250°C	50	2	3	730x480 x580
OV/75/T " DIG/F	"	40°C to 250°C	75	2	3	850x480 x580
OV/100/ " TDIG/F	"	40°C to 250°C	100	3	4	850x590 x580
OV/125/ " TDIG/F	"	40°C to 250°C	125	3	5	850x590 x690
OV/150/ " TDIG/F	"	40°C to 250°C	150	3	5	850x670 x690

# GENLAB DUAL PURPOSE BENCHTOP OVENS/INCUBATORS



The Genlab range of Dual-purpose Ovens / Incubators combine the advantage of two temperature ranges in the same unit. Using bespoke firmware designed specifically for this chamber size, and a calibration class temperature sensor, we can offer accurate control up to 250.0°C without temperature overshoot. Available in a variety of sizes and designed with both side or base mounted displays to suit your exact needs. Featuring our latest touch screen control system which offers intuitive control and excellent accuracies designed for industrial and laboratory incubators.

- 6 sizes 50 to 200 litres (base mount controller design with fan)
- 6 sizes 50 to 200 litres (side mount controller design)
- Temp range (Ambient +8°C) to 250.0°C
- Manual or automatic overheat reset
- High accuracy Pt100A duplex sensors <0.6°C
- New - Set point lock feature

## Product Codes (Side Mount)

CODE	DESCRIPTION	CAPACITY ,L	NO OF SHELVES	SHELF POSITIONS	EXT. DIMS W X D X H
DP/50/T DIG/F	Dual-Purpose Benchtop Incubator/Oven Standard Interior, with Fan	50	2	3	730x480x580
DP/75/T DIG/F	Dual-Purpose Benchtop Incubator/Oven Standard Interior, with Fan	75	2	3	850x480x580
DP/100/T DIG/F	Dual-Purpose Benchtop Incubator/Oven Standard Interior, with Fan	100	3	4	850x590x580
DP/125/T DIG/F	Dual-Purpose Benchtop Incubator/Oven Standard Interior, with Fan	125	3	5	850x590x690
DP/150/T DIG/F	Dual-Purpose Benchtop Incubator/Oven Standard Interior, with Fan	150	3	5	850x670x690
DP/200/F/T DIG	Dual-Purpose Benchtop Incubator/Oven Standard Interior, with fan	200	4	7	850x670x890

## Product Codes (Base Mount) \*more sizing available

CODE	DESCRIPTION	CAPACITY ,L	NO OF SHELVES	SHELF POSITIONS	EXT. DIMS W X D X H
MINIS/6 /TDIG	Multi-purpose Benchtop Incubators to 70C with Fan	50	2	3	630x610x660
MINIS/1 8/TDIG	Multi-purpose Benchtop Incubators to 70C with Fan	75	2	3	630x740x660
MINIS/3 0TDIG	Multi-purpose Benchtop Incubators to 70C with Fan	100	3	4	630x740x780
MINIS/4 0/TDIG	Multi-purpose Benchtop Incubators to 70C with Fan	125	3	5	630x740x880
MINIS/5 0/TDIG	Multi-purpose Benchtop Incubators to 70C with Fan	150	3	5	630x820x880
MINIS/7 5/TDIG	Multi-purpose Benchtop Incubators to 70C with Fan	200	4	7	630x640x1080

**Get 15% off when you purchase your first Gallenkamp Vacuum Oven**

**Quote offer code: GKOVEN when enquiring**





## GENLAB BENCH TOP TEMPERATURE PID CONTROL STATIONS



Genlab's latest universal bench top PID Stations are popular among laboratory technicians, R&D engineers, and thermal engineers who want the latest PID controllers housed in an easy to operate and safely packaged solution. Using Eurotherm's latest P116 controllers for both closed loop PID control with an integral safety control loop monitoring the status of the controller and process loops.

These PID stations allow users to simply connect to any heater load up to 2KW using the universal plug supplied. Feedback from the 2 x Type K temperature sensors supplied, will over accurate temperature control of any heating load. With some of the most advanced PID firmware available, these bench top stations will provide you with excellent temperature control, reduced overshoot, and great stability, yet are designed to be simple to operate.

### Product Codes

CODE	DESCRIPTION	DIMS (WXDXH), MM
BTC2000	2000w PID Station with overheat	250x265x120

- Compact station with integral Solid-State Relay switching and high powered overheat relay
- Independent safety monitoring loop
- Only 250mm x 265mm x 120mm (WxDxH)
- High heater rating output - 2000 W @ 230V
- Work with all types of heaters: cartridge, rod, strip, silicone heaters, plate, ceramic etc
- Panel Indication LED status



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on our products**

# LABOPORT® N 820 G AND N 840 G



Chemically resistant, compact, and oil-free diaphragm vacuum pump with manual speed control for adjusting the pump capacity to your specific application. It features a gas ballast, PTFE/TFM heads, PTFE-coated diaphragms and FFPM valves. Suitable for a wide range of Laboratory applications including extremely aggressive/corrosive gasses and vapours.

- Adjustable speed control
- ATEX compliant to (Ex) II 2/-G IIB+H2 T3 internal atmosphere only
- Ideal for extremely aggressive/corrosive gases and vapours
- Clean, 100% oil-free operation



Product Codes

CODE	DESCRIPTION	DELIVERY L/MIN	ULTIMATE VACUUM, MBAR	DIMS WxDxH, MM
K06046	N820G Diaphragm vacuum pump	20	6.0	163x259x220
K06047	N840G Diaphragm vacuum pump	36	6.0	177x289x240

# LABOPORT® N 840.3 FT.40.18



The chemically-resistant series N 840.3 FT.40.18 diaphragm pump is a twin-head unit with an integrated KNF self-drying system. There is a wide range of applications for this pump in laboratories, especially whenever clean vacuum is required and moist gases must be pumped down. Examples include vacuum-drying of vacuum drying chambers (for drying or heat-treating substances and components) or steam sterilizers for sterilizing instruments, vessels, filters and textiles. Due to its high resistance to aggressive media, this pump can be used universally.

The heart of these very compact pumps are KNF structured diaphragms (PTFE-coated). These patented diaphragms were stress-optimized using the Finite Elements method. As a result, we were able to make the pumps smaller while increasing the service life of the diaphragm.

- Pure transferring and evacuation
- Highly compatible with vapours and condensation
- Chemically-resistant suitable for highly aggressive or corrosive gases and vapours
- Maintenance-free
- Environmentally friendly



Product Codes

CODE	DESCRIPTION	DELIVERY L/MIN	ULTIMATE VACUUM, MBAR	DIMS WxDxH, MM
K06042	Diaphragm Moist Gas vacuum pump	34	10.0	189x239x341

# LABOPORT® N 920 G



The powerful N 920 G diaphragm vacuum pump uses a diaphragm stabilisation system that makes it well-suited for all applications requiring high suction speeds at low absolute pressures, in a compact size.

The N 920 G pumps and evacuate without contaminating the medium. A number of technical innovations, including a diaphragm stabilization system, enable strong suction performance, especially in the low vacuum range. An integrated potentiometer makes it easy to select the desired pumping rate by selecting the appropriate speed, so the pump can adapt to the requirements of a particular process.☒

- High suction speed, particularly in low vacuum
- 100% oil-free; clean transfer/evacuation of gases or vapours
- Integrated rotational speed control
- Integrated gas ballast valve
- Maintenance-free
- IP20 motor protection
- PPS pump head and PTFE coated diaphragm



## Product Codes

CODE	DESCRIPTION	DELIVERY L/MIN	ULTIMATE VACUUM, MBAR	DIMS WXD <sub>X</sub> H, MM
K06048	High performance vacuum pump	20	2.0	324x226x158

# VACUUM CONTROLLER VC 900



For use with any vacuum pump (not just KNF models) when fine control of the vacuum is needed - ideal to add on to a built-in vacuum system or an existing vacuum pump without fine control features. Features a touchscreen control, pressure sensors, and a two-step-controlled valve. Optimizes lab bench space by allowing hands-free operation of the central vacuum unit.

- Control of the vacuum application
- Separate control unit with pressure sensors and two-step-controlled valve to be placed independently from the operating unit
- Easy to use



## Product Codes

CODE	DESCRIPTION	ULTIMATE VACUUM, MBAR	DIMS WXD <sub>X</sub> H, MM
K06045	Digital portable vacuum pump	1p30	±1



## GENLAB CLASSIC UNSTIRRED WATER BATHS

Genlab have been designing and building water baths for over 50 years. Our Classic range are built to the highest standards and fully insulated offering economic running costs. Simple to use with thermostatic control, these baths are reliable and suit all laboratory conditions. For extra temperature range and increased energy performance, optional lids are also available.

- 5 sizes: 8 to 54 litres
- Temperature range 25°C to 80°C (without lid)
- Temperature range 25°C to 100°C (with lid)
- Thermostatic control
- Easy clean powder coated body
- Stainless steel tank
- Internal overheat protection



Product Codes

CODE	CAPACITY, L	EXT DIMS WXD XL, MM	INT DIMS WXD XL, MM
WBH8	8	330x270x290	300x200x150
WBH13	13	330x220x470	300x150x320
WBH18	18	330x270x470	300x200x320
WBH27	27	330x270x650	300x200x500
WBH54	54	660x280x650	490x200x610

## GENLAB PRIME UNSTIRRED WATER BATH

The Prime water baths are the flagship brand of Genlab waterbaths. They are built to the highest standards and are packed with features and enhancements.

It features our latest touch screen control system which offers intuitive control designed for laboratory use. With a resolution of 0.1°C, on screen trending, profile control and integral timers, this range of water baths help to maximise productivity.

- 5 sizes: 8 to 54 litres
- Temperature range 25.0°C to 80.0°C (without lid)
- Temperature range 25.0°C to 100.0°C (with lid)
- 3 Stage timer modes, count down timer, 8 stage profile or real time clock mode
- Easy clean powder coated body
- 3.2in touch screen PID interface control
- High accuracies Pt100B duplex sensors <0.8°C
- 0.1°C resolution



Product Codes

CODE	CAPACITY, L	EXT DIMS WXD XL, MM	INT DIMS WXD XL, MM
PWBH8/TDIG	8	330x270x290	300x200x150
PWBH13/TDIG	13	330x220x470	300x150x320
PWBH18/TDIG	18	330x270x470	300x200x320
PWBH27/TDIG	27	330x270x650	300x200x500
PWBH54/TDIG	54	660x280x650	490x200x610

# GENFUGE-13/13R



Quality centrifuges offering benchtop high speed models with or without refrigeration perfect for any laboratory.

- Multi CPV control system
- RPM/RCF switch function
- Two time counting functions
- Quick spin function
- Aerosol- light and Autoclavable Rotor
- Real-time modification of parameters



	13	13R
Cooling	No	Yes
Temp control range OC	N/a	-10C-40C
Max speed RPM	300-13800 rpm	300-13800 can be extended to 15000rpm
Max RCF (g)	17460g	17459 g can be extended to 20627g
Dimensions WxHxD (mm)	370x230x250	525x300x350
Weight (Kg)	18	47

## Product Codes

CODE	DESCRIPTION	CAPACITY
GK-GENFUGE13-EX	High speed centrifuge	24x1.5/2.0 ml
GK-GENFUGE13R-EX	High speed refrigerated centrifuge	24x1.5/2.0 ml

# GENFUGE 15/15R



The Genfuge 15 and its refrigerated counterpart Genfuge 15R offer the functionality of three centrifuges; high-capacity, general purpose centrifuge for cell harvesting; a high-speed centrifuge for separating cell lysates and a microcentrifuge for DNA precipitations. They are widely used in routine research laboratories in the fields of bioscience, medicine and industry.

- Max capacity of 400ml
- Broad range of adaptors and modular accessories
- Large back-lit LCD screen and easy to clean keypad
- Refrigerated by CFC-free unit (15R model only)
- Electronic imbalance detection
- Versatile- fixed range, swinging bucket, microliter rotors for all common tubes



## Product Codes

CODE	DESCRIPTION	CAPACITY
GK-GENFUGE15-EX	High speed centrifuge	6x 50 ml
GK-GENFUGE15R-EX	High speed refrigerated centrifuge	6x 50ml

	15	15R
Cooling	No	Yes (R134 CFC free)
Temp control range OC	N/A	-10C-40C
Max speed RPM	16000 rpm	16000rpm
Max RCF (g)	24940g	24940g
Dimensions WxHxD (mm)	525x390x330	580x540x350
Weight (Kg)	58	80



# GENFUGE 1600/1600R



Genfuge 1600 and 1600R benchtop laboratory centrifuge set the standard in quality design and innovation. Offering maximum versatility including high-capacity, general purpose centrifuge for cell harvesting, a high-speed centrifuge for separating cell lysates and microcentrifuge for DNA precipitations.

- Uses a swing -out rotor with maximum capacity of 4x400ml
- Utilises a LCD display
- Has a automatic rotor identification and function and rotor pre-cooling function
- Adopts an electronic imbalance detection system
- Patented lid-lock system for safety



	1600	1600R
Cooling	No	Yes (R404a CFC free)
Temp control range OC	N/a	-10C-40C
Max speed RPM	15000 rpm	15000rpm
Max RCF (g)	23646g	23646g
Dimensions WxHxD (mm)	550x670x410	790x670x410
Weight (Kg)	105	126

## Product Codes

CODE	DESCRIPTION	CAPACITY
GK-7BZ-GENFUGE1600-EX	High speed centrifuge	4x 400 ml
GK-7BZ-GENFUGE1600R-EX	High speed refrigerated centrifuge	4x 400ml



# GENLAB DRYING / WARMING CABINETS



The Genlab range of Drying / Warming Cabinets are suitable for drying a range of items such as glassware, instruments, and PCB's. They are also used to aid any general-purpose warming applications. Genlab has sold these Drying Cabinets extensively across the globe and they have always proved to be a very popular product.

Two variants are available the standard non-insulated units (DC range) and insulated units (IWC range) for improved efficiency plus energy and cost savings. A touch screen digital controller is also available as an optional upgrade on the insulated versions.

- Temperature range 30 to (ambient+50)°C
- 4 sizes 125 to 1000 litres (DC)
- 4 sizes 100 to 885 litres (IWC)
- Easy to use thermostatic control
- Independent overheat thermostat
- Lockable castors (IWC425 and 885 models)
- Stainless steel chamber (IWC versions)

### Product Codes (Non-Insulated)

CODE	DESCRIPTION	CAPACITY , L	EXT. DIMS (WXDXH), MM	INT. DIMS (WXDXH), MM	SHELF POSITIONS	WEIGHT (KG)
DC125	Non insulated Drying/Warming Cabinets	125	740x420x600	720x400x430	5	40
DC250	Non insulated Drying/Warming Cabinets	250	1000x500x660	980x480x520	6	55
DC500	Non insulated Drying/Warming Cabinets	500	600x650x1680	580x620x1380	12	75
DC1000	Non insulated Drying/Warming Cabinets	1000	1180x650x1680	1160x620x1380	12	130



### Product Codes (Insulated)

CODE	DESCRIPTION	CAPACITY , L	EXT. DIMS (WXDXH), MM	INT. DIMS (WXDXH), MM	SHELF POSITIONS	WEIGHT (KG)
ICW100	Insulated Drying/Warming Cabinets	100	740x420x600	670x370x400	5	50
ICW200	Insulated Drying/Warming Cabinets	100	1000x500x660	930x450x490	6	75
ICW425	Insulated Drying/Warming Cabinets (with fan as standard)	425	600x650x1750	530x590x1350	12	140
ICW850	Insulated Drying/Warming Cabinets (with fan as standard)	850	1180x650x1750	1120x590x1350	12	210

# GENLAB E3 ENERGY EFFICIENT DRYING CABINETS



Genlab is proud to offer their customers a unique range of sustainable laboratory products and services. E3 is our market leading brand for scientifically developed, cutting edge, sustainable, eco-friendly products. Genlab's new E3 range of glassware drying cabinets are energy efficient, safer, and economic to run. Working with the University of Cambridge, we developed units that represent a novel, sustainable solution to glassware drying. These feature our latest touch screen control system, which offer intuitive control and excellent accuracies with bespoke firmware for energy saving control, including adjustable automatic on/off times.

- Temperature range 30.0 to 80.0°C
- Integral energy meter
- Fully insulated with adjustable vent cover
- Stainless steel chamber
- Lockable castors on the 425 and 885 litre models
- Low energy consumption - More than 50% lower to traditional cabinets
- Low heat output - reducing air conditioning cost



### Product Codes

CODE	AIR CIRCULATION	CAPACITY, L	ENERGY CONSUMPTION, KWH/24HR	INT. DIMS (WXDXH), MM
E3DWC100 F/TDIG	Fan assisted	100	8.35	52
E3DWC200 F/TDIG	Fan assisted	100	12.97	77
E3DWC425 F/TDIG	Fan assisted	425	18.32	142
E3DWC885 F/TDIG	Fan assisted	885	27.18	210



**RECEIVE A 15% OFF OF  
YOUR FIRST DRYING  
CABINET**



**QUOTE OFFER CODE:  
15CABINET  
WHEN ENQUIRING**

# NABERTHERM MUFFLE FURNACES UP TO 1200C



The muffle furnaces L 1/12 - LT 40/12 have been proven for daily laboratory use. These models stand out for their excellent workmanship, advanced and attractive design, and high level of reliability. The muffle furnaces come equipped with either a flap door or lift door at no extra charge.

- Heating from two sides by ceramic heating plates (heating from three sides for muffle furnaces L 24/12 - LT 40/12) for an optimal temperature uniformity
- Temperature uniformity of +/- 5 K with closed fresh-air inlet in empty workspace according to DIN 17052-1 at working temperatures above 800 °C
- Thermocouple type S (1200 °C)
- Ceramic heating plates with integral heating element which is safeguarded and easy to replace
- Optional flap door (L) which can be used as work platform or lift door (LT) with hot surface facing away from the operator
- Exhaust air outlet in rear wall of furnace

Product Codes \*More models available

CODE	MODEL	DESCRIPTION
L-012K27N1	L 1/12	Muffle furnace, 1L capacity up to 12000C
L-032K2RN2	L(T) 3/12	Muffle furnace, 3L capacity up to 12000C
L-052K2RN2	L(T) 5/12	Muffle furnace, 5L capacity up to 12000C
L-092K2RN2	L(T) 9/12	Muffle furnace, 9L capacity up to 12000C
L-152K2RN2	L(T) 15/12	Muffle furnace, 15L capacity up to 12000C
L-242K2RN2	L(T) 24/12	Muffle furnace, 24L capacity up to 12000C
L-402K2RN2	L(T) 40/12	Muffle furnace, 40L capacity up to 12000C

## Specifications

MODEL	L 1/12	L(T) 3/12	L(T) 5/12	L(T) 9/12	L(T) 15/12	L(T) 24/12	L(T) 40/12
Capacity, L	1	3	5	9	15	24	40
Temp uniformity of +/- 5K, W	45	110	170	180	180	230	270
Connected Load, kW	1.5	1.2	2.4	3.0	3.2	4.5	6.0
Heating up time (mins)	25	45	60	75	85	80	85
Ext. Dims <sup>2</sup> WxDxH <sup>3</sup> , mm	290 X 280X430	385x330 X 405+155	385x390 X 460+205	415x455 X 515+240	415x555 X 515+240	490x555 X 580+320	530x705 X 580+320
Int. Dims WxDxH, mm	90x115 x110	160x140 x100	200x170 x130	230x 240x170	230x 340x170	280x 340x250	320x 490x250
Net Weight, Kg	10	20	30	35	40	55	65

# NABERTHERM ECONOMY MUFFLE FURNACES UP TO 1100C



With their convincing price/performance ratio and the fast heat-up rates, these compact muffle furnaces are perfect for many applications in the laboratory. Quality features like the dual shell furnace housing of rust-free stainless steel, their compact, lightweight constructions, or the heating elements encased in quartz glass tubes make these models reliable partners for your application.

- Tmax 1100 °C
- Heating from two sides from heating elements protected in quartz glass tubes
- Fast heating times (see table)
- Maintenance-friendly replacement of heating elements and insulation
- Housing coated in RAL · Flap door which can also be used as a work platform
- Exhaust air outlet in rear wall · Compact dimensions and light weight · Controller mounted under the door to save space · Controller R7

Product Codes

CODE	MODEL	DESCRIPTION
LE013K17N1	LE 1/11	Economy Muffle furnace, 1L capacity up to 12000C
LE022K17N1	LE 2/11	Economy Muffle furnace, 2L capacity up to 12000C
LE062K17N1	LE 6/11	Economy Muffle furnace, 6L capacity up to 12000C
LE142K17N1	LE 14/11	Economy Muffle furnace, 14L capacity up to 12000C

## Specifications

MODEL	LE 1/11	LE 2/11	LE 6/11	LE 14/11	LE 24/11
Capacity, L	1	3	5	9	15
Temp uniformity of +/- 5K, W	40	60	120	170	200
Connected Load, kW	1.6	1.9	2.0	3.3	3.5
Heating up time (mins)	10	15	30	35	40
Ext. Dims <sup>2</sup> WxDxH <sup>3</sup> , mm	290 X 280X410	330x390 X 410	390 X 440+470	440x540 X 520	490x570 X 590
Int. Dims WxDxH, mm	90x115 x110	110x180 x110	170x200 x170	220x 300x220	260x 330x280
Net Weight, Kg	10	20	30	35	40



# NABERTHERM MUFFLE FURNACES UP TO 1300C



Heating elements on support tubes radiating freely into the furnace chamber provide for particularly short heating times for these muffle furnaces. Thanks to their robust lightweight refractory brick insulation, they can reach a maximum working temperature of 1300 °C. These muffle furnaces thus represent an interesting alternative to the familiar L(T) ../12 models, when you need a higher application temperature.

- Tmax 1300 °C · Heating from two sides · Heating elements on support tubes ensure free heat radiation and a long service life
- Multi-layer insulation with robust lightweight refractory bricks in the furnace chamber
- Optional flap door (L) which can be used as work platform or lift door (LT) with hot surface facing away from the operator
- Adjustable air inlet in the furnace door · Exhaust air outlet in rear wall of furnace · Controller B410 (5 programs with each 4 segments)

## Specifications

MODEL	L, LT 5/13	L, LT 9/13	L, LT 15/13
Capacity, L	5	9	15
Temp uniformity of +/- 5K, W	170	180	180
Connected Load, kW	2.4	3.0	3.2
Heating up time (mins)	60	60	70
Ext. Dims <sup>2</sup> WxDxH <sup>3</sup> , mm	490x450x580+320	530x525x630+350	530x625x630+350
Int. Dims WxDxH, mm	200x170x130	230x240x170	230x340x170
Net Weight, Kg	42	60	70

Product Codes \*More models available

CODE	MODEL	DESCRIPTION
L-052S3RN3	L, LT 5/13	Brick insulated Muffle furnace, 5L capacity up to 13000C
L-092S3RN3	L, LT 9/13	Brick insulated Muffle furnace, 9L capacity up to 13000C
L-152S3RN3	L, LT 15/13	Brick insulated Muffle furnace, 15L capacity up to 13000C

# NABERTHERM MUFFLE FURNACES UP TO 1400C



These models stand out for their excellent workmanship, advanced and attractive design, and high level of reliability. Heating elements on support tubes radiating freely into the furnace chamber provide for particularly short heating times and a maximum temperature of 1400 °C. These muffle furnaces are a good alternative to the familiar L(T) ../12 series when higher application temperatures are needed.

- Tmax 1400 °C
- Heating from two sides
- Heating elements on support tubes ensure free heat radiation and a long service life
- Adjustable air inlet integrated in door · Exhaust air outlet in rear wall of furnace · Controller B410

## Specifications

MODEL	L, LT 5/14	L, LT 9/14	L, LT 15/14
Capacity, L	5	9	15
Temp uniformity of +/- 5K, W	170	180	180
Connected Load, kW	2.4	3.2	3.2
Heating up time (mins)	50	50	70
Ext. Dims <sup>2</sup> WxDxH <sup>3</sup> , mm	490x450x580+320	530x525x630+350	530x625x630+350
Int. Dims WxDxH, mm	200x170x130	250x250x170	250x350x170
Net Weight, Kg	42	55	63

Product Codes

CODE	MODEL	DESCRIPTION
L-052U4RN10	L, LT 5/14	Muffle furnace, 5L capacity up to 14000C
L-092U4RN8	L, LT 9/14	Muffle furnace, 9L capacity up to 14000C
L-152U4RN11	L, LT 15/14	Muffle furnace, 15L capacity up to 14000C

# BENCHTOP AUTOCLAVES



You can be small of stature without being a pip-squeak or pushover. Gallenkamp's benchtop autoclaves pack the performance and quality construction of a full-size, freestanding industrial autoclave into a footprint that fits any workspace. A quality research-grade benchtop autoclave offers all the flexibility, ease-of-use, and reliability that a small lab needs. Our compact tabletop units offer plug-n-play simplicity but come with fully featured programmable control systems. They are perfect for media prep, liquid, and waste loads. A great fit for shared facilities and education.

- Programmable Tactrol® 2 Control System with simple "one-touch" start
- PED-certified 316L Stainless steel Chamber and Door
- Quickseal Single-Action Interlocking Safety Door- cannot be opened unsafely
- Two Full width stainless steel anti-tip loading shelves
- Biomaster™ Antimicrobial surfaces
- Assisted Load Cooling
- Chamber Pressure Gauge



Product Codes

CODE	DESCRIPTION	CAPACITY, L	CHAMBER DIMS, DIAMETER X DEPTH	OVERALL DIMS, WXD X H, MM	WEIGHT, KG
B40-Base	Benchtop Autoclave	40	350 x 420	520 x 610 x 640	70

# TOP LOADING AUTOCLAVES



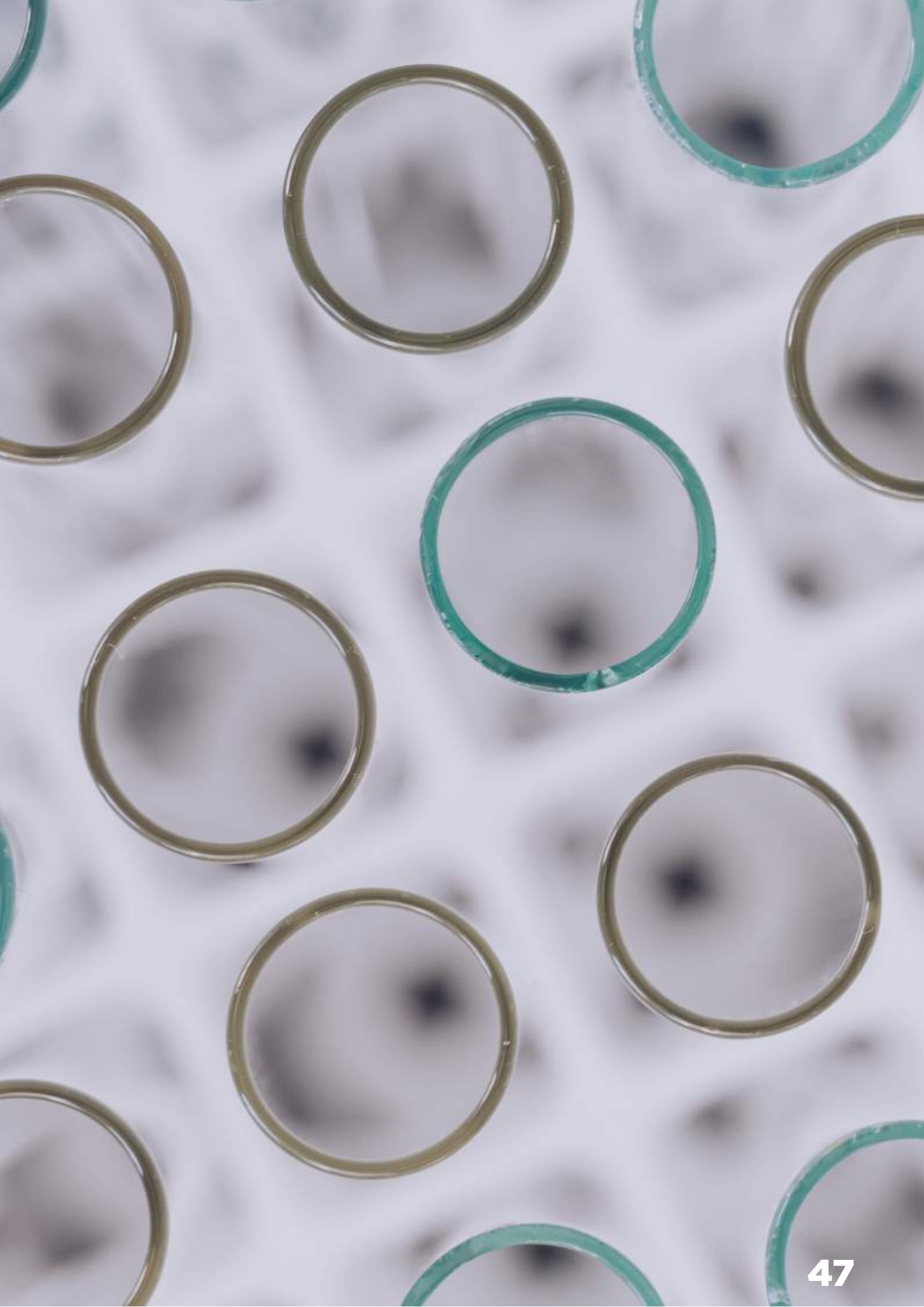
Vertical autoclaves can accommodate the tallest flasks, fermenters, and bioreactors at one-third the price of a comparable front-loading autoclave. Gallenkamp's top loading autoclaves are among the most compact full-size units on the market today. Compared to similar-sized medical-grade rectangular-vessel units, cylindrical autoclaves are easier to operate, less expensive to maintain, and more reliable over a longer working life.

- Programmable Tactrol® 2 Control System with simple "one-touch" start
- PED-certified 316L Stainless steel Chamber and Door
- Quickseal Single-Action Interlocking Safety Door- cannot be opened unsafely
- Biomaster™ Antimicrobial surfaces
- Permission-based door release
- Automatic timed free-streaming
- Benchtop or mobile cart mounted for ease of positioning and service
- Two full width stainless steel anti-tip loading baskets



Product Codes

CODE	DESCRIPTION	CAPACITY, L	CHAMBER DIMS, DIAMETER X DEPTH	OVERALL DIMS, WXD X H, MM	WEIGHT, KG
EV100-Base	Top loading Autoclave	100	500 x 500	660 x 840 x 840	147



# C3210 - C3230 MULTI-PARAMETER ANALYSERS



The C3210 and C3230 are all full-parameter multi-channel instruments. 2 channels with each channel having it's own dedicated measurement hardware without interference between the channels. All values can be displayed simultaneously on the screen

- New edition, compact design
- Gold Plated BNC
- Multichannel
- Pre-programmed standards
- pH: 11 preprogrammed + 5 user editable
- Conductivity: 3 preprogrammed + 3 user editable
- No interference between electrodes
- Stability algorithm with intuitive indicator
- Hold function
- Selectable resolution
- Range lock
- Capacitive compensation
- Galvanic isolated USB interface
- High Accuracy
- Free software and firmware updates

## Product Codes

CODE	DESCRIPTION	CAPACITY, L
GK-C32XXP	pH meter kit, glass electrode	meter + pH electrode SP20T + 2x50ml pH buffers + 50ml electrolyte
GK-C32XXPE	pH meter kit, epoxy electrode	meter + pH electrode SP10T + 2x50ml pH buffers + 50ml electrolyte
GK-C32XXK	EC meter kit, glass electrode	meter + EC electrode SK20T + 50ml EC standard
GK-C32XXKE	EC meter kit, epoxy electrode	meter + EC electrode SK10T + 50ml EC standard
GK-C32XXPK	pH/EC meter kit, glass electrodes	meter + pH electrode SP20T + EC electrode SK20T + 2x50ml pH buffers + 50ml electrolyte + 50ml EC standard
GK-C32XXPKE	pH/EC meter kit, epoxy electrodes	meter + pH electrode SP10T + EC electrode SK20T + 2x50ml pH buffers + 50ml electrolyte + 50ml EC standard
GK-C32XXZ	pH/EC meter kit, epoxy electrodes	meter +DO electrode SZ20T
GK-C32XXT	Complete meter kit, glass electrodes (DO epoxy)	meter + pH electrode SP20T + EC electrode SK20T + 2x50ml pH buffers + 50 ml electrolyte + 50 EC standard + DO electrode SZ20T
GK-C32XXTE	Complete meter kit, epoxy electrode	meter + pH electrode SP10T + EC electrode SK10T + 2x50ml pH buffers + 50 ml electrolyte + 50 EC standard + DO electrode SZ20T
GK-C32XXX	Meter kit without electrodes	meter + 2x50ml pH buffers + 50ml electrolyte + 50ml EC standard
GK-SH300	Flexible electrode holder (optional)	

# QP458 PORTABLE COMBINED PH AND CONDUCTIVITY METER



The QP458 Portable combined pH and Conductivity meter is the third in a series of quality, portable meters from Gallenkamp. All are top quality instruments, made in the UK. The clear backlit graphic display guides the user through every operation ensuring that even the most unskilled operation can perform accurate analysis without an instruction manual. Every instrument in the QP range has a mini USB output for printing or exporting sample and calibration data. If printing is not possible there is a 10,000 data point, 64 file internal memory to enable field data to be recorded. Power is via 4 x AA batteries. Lifetime is impressive due to a highly efficient display with brightness and contrast options along with many other power saving features.

## Product Codes

CODE	DIMENSIONS (LxWxH)	WEIGHT (G)	BATTERY LIFE
GK-QP458	175x88x48mm	350g	4 x AA batteries 200hrs constant use

- Dual pH and Conductivity Display
- 1,2 or 3 Point pH Calibration
- Auto Conductivity Calibration and Auto endpoint
- Automatic Temperature Compensation (ATC)
- Automatic Standard Recognition
- pH Buffer correction
- Calibration alarms
- Millivolt and Relative millivolt modes
- Total Dissolved Solids (TDS) Mode
- Data logging, internal storage & Micro USB Data output
- BNC /DIN and 3.5mm Jack connectors
- Tough Waterproof Carry case



# SERIES 4 PORTABLE PH METER



The QP451 Portable pH meter is the first in a series of Quality Portable meters from Gallenkamp. All are state of the art instruments made in the UK. The clear graphic display guides the user through every operation ensuring that even the most unskilled operation can perform accurate analysis without an instruction manual. Every instrument in the QP range has a mini USB output for printing or exporting sample and calibration data. If printing is not possible there is a 10,000 data point, 64 file internal memory to enable field data to be recorded. Power is via 4 x AA batteries. Lifetime is impressive due to a highly efficient display with brightness and contrast options along with many other power saving features.



- 1, 2 or 3 Point Calibration
- Auto endpoint
- Automatic Temperature Compensation (ATC)
- Automatic Buffer Recognition
- Buffer correction
- Calibration alarms
- Millivolt and Relative millivolt modes
- Data logging and internal Data storage.
- Micro USB Data output
- Real time clock
- BNC connector for pH Electrodes
- Impressive array of accessories and consumables.
- Tough Waterproof Carry case

## Product Codes

CODE	DIMENSIONS (LxWxH)	WEIGHT
GK-QP451	175x88x48mm	350g

# PI10 LABORATORY PH ELECTRODE



- Designed with pressure compensation and constructed from specialist membrane glass for high-temperature measurements.
- Double junction electrode for an increased lifespan and protection against aggressive samples.
- Low maintenance probe that does not require refilling.
- Versatile in a range of applications.
- Able to withstand higher pressure or temperature than standard laboratory electrodes.



## Product Codes

CODE	DESCRIPTION
GK-140-76	PI10 Laboratory pH Electrode

## Specifications

Body Type	Glass
pH Range	0-14
Cable Length	1 metre
Combination	Yes
Connector	BNC
Temperature Range	0-80°C
EO Point	0 to ±25mV
Junction Type	Glass sleeve
Reference Type	Ag/AgCl, liquid filled, double junction
Response Time	<30 secs 95% FSG
Shelf Life	12 months



# P11 ROD GLASS COMBINATION PH ELECTRODE



Our pH electrodes suitable for a vast range of applications. Each pH electrode uses a BNC connector that fits all common pH meters on the market. The P11 glass combination pH electrode is recommended to be used for the following industries Beer, Biotechnology and blood products.

## Specifications

Body Type	Glass
pH Range	0-14
Cable Length	1 metre
Combination	Yes
Connector	BNC
Temperature Range	0-80°C
Shaft Length	120mm ± 2mm
Shaft Diameter	11.8 - 12.2mm
E O Point	0 to ±25mV
Junction Type	Annular Ceramic
Reference Type	Ag/AgCl, Liquid filled, Single Junction
Response Time	<30 secs 95% FSD
Shelf Life	12 months
Cleaning Solution	791-15
Storage Solution	791-65
Refill Solution	551-68

## Product Codes

CODE	DESCRIPTION
GK-111-90	P11 Rod Glass Combination pH Electrode

# P13 SEMI MICRO COMBINATION PH ELECTRODE



- Designed with a frit ceramic junction to suit multiple applications, less leakage and lower flow rate in the sample.
- Extended narrow body length for precision analysis of semi-micro and low volume samples.
- Versatile refillable probe allowing different solutions for different applications and extended life span.
- Extra-long reach available with 180mm shaft length (P13/4/180/NMR.)

## Product Codes

CODE	DESCRIPTION
GK-113-75	P13 Semi Micro Combination pH Electrode

# P14/SG/BNC SOLID GEL ELECTRODE



Need to add in an introductory paragraph. Solid gel electrodes are combination electrodes, employing the use of solid gel and are designed with the water industry in mind. Capable of being used with portable instruments and on-line, they will give optimum performance in cold water. Featuring fast response to equilibrium less frequent calibrations, improved accuracy, greater stability and longer electrode life.

## Specifications

pH Range	0-14
Cable Length	1 metre
Combination	Yes
Connector	BNC
Temperature Range	0-60°C
Shaft Length	120mm ± 2mm
Shaft Diameter	11.8 - 12.2mm
E O Point	0 to ±25mV
Junction Type	Porous Teflon
Reference Type	Ag/ AgCl, Solid Polymer filled, Double Junction
Response Time	<30 secs 95% FSD
Shelf Life	12 months
Cleaning Solution	791-15
Storage Solution	791-65
Body Type	Epoxy

## Product Codes

CODE	DESCRIPTION
GK-114-707	P14/SG/BNC SOLID GEL ELECTRODE

# P16 TRIS BUFFERS COMBINATION PH ELECTRODE



- Extended body length perfect for test tubes and applications that require a long reach.
- Designed with a frit ceramic junction type to suit multiple applications, ensure less leakage and lower flow rate in the sample.
- Glass body that is easy to clean and maintain.
- Versatile refillable probe allowing different solutions for different applications and an extended life span.
- Designed for use with tris buffers in bioscience applications.
- No silver in the lower chamber to avoid precipitate blocking the junction.

## Specifications

Body Type	Glass
pH Range	0-11
Cable Length	1 Metre
Combination	Yes
Connector	BNC
Temperature Range	0-50°C
Shaft Length	120mm±2mm
Shaft Diameter	11.8-12.2mm
EO Point	0 to ±25mV
Reference Type	Ag/AgCL. Liquid filled, double junction
Response Time	<30secs 95% FSD

## Product Codes

CODE	DESCRIPTION
GK-116-75	P16 Tris Buffers Combination pH Electrode

# P17 FLAT HEAD COMBINATION PH ELECTRODE



- Porous Teflon junction designed to be easy to clean and resist against blockages.
- Robust epoxy body designed for tough applications.
- Versatile refillable probe allowing different solutions for different applications and an extended life span.
- A flat surface pH glass membrane is perfect for surface measurements or samples that may damage glass membranes.
- Resistant to breakage due to very little glass exposed.

## Specifications

Body Type	Epoxy
pH Range	0-14
Cable Length	1 metre
Combination	Yes
Connector	BNC
Temperature Range	0-50°C
Lower Shaft Length	90mm ± 2mm
Lower Shaft Diameter	6mm
E O Point	0 to ±25mV
Reference Type	HgCl. liquid filled double junction
Response Time	<30 secs 95% FSD
Shelf Life	12 months

## Product Codes

CODE	DESCRIPTION
GK-117-75	P17 Flat Head Combination pH Electrode

# P18 SPEAR ELECTRODE COMBINATION



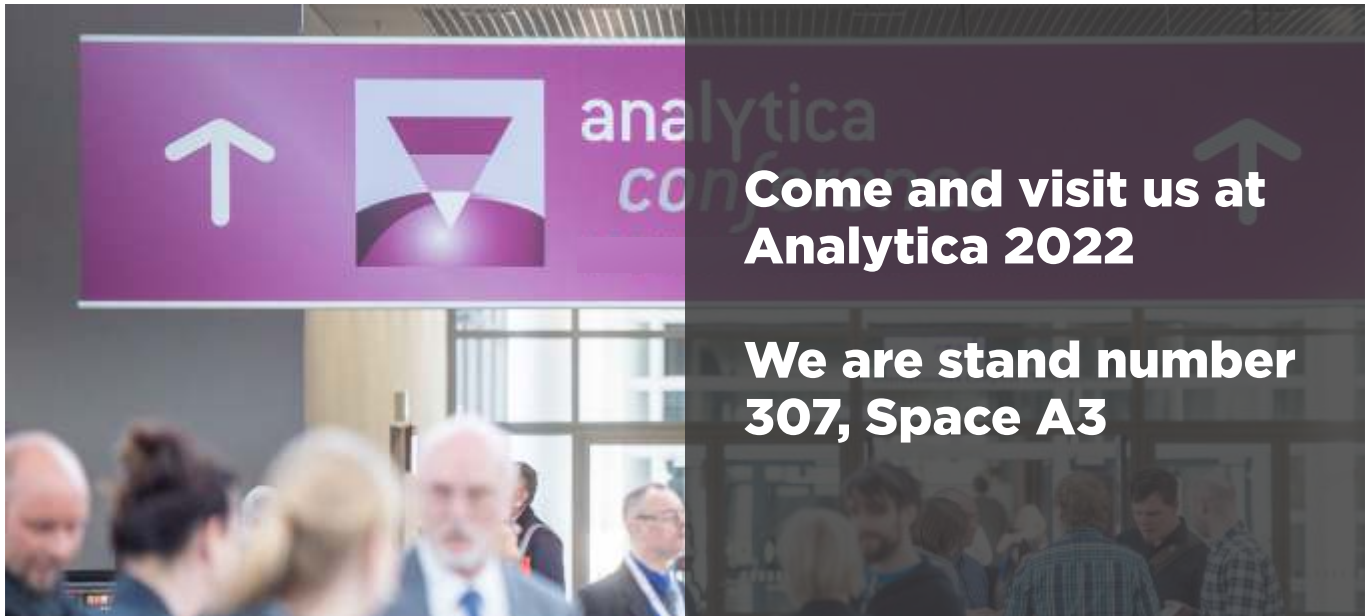
- Spearpoint membranes provide strength perfect for penetration of samples such as semi-solids.
- Versatile refillable probe allowing different solutions for different applications and an extended life span.
- Designed with an annular ceramic junction type to suit a vast range of applications.
- The large surface area of annular ceramic provides a fast response in more viscous samples.

## Specifications

Body Type	Glass
pH Range	0-14
Cable Length	1 metre
Combination	Yes
Connector	BNC
Temperature Range	0-80°C
Shaft Length	120mm ± 2mm
Shaft Diameter	12mm
E O Point	0 to ±25mV
Junction Type	Porous Teflon
Reference Type	Ag/AgCl. Partial Gel filled, single junction
Response Time	<30 secs 95% FSD
Shelf Life	12 Months

## Product Codes

CODE	DESCRIPTION
GK-118-75	P18 Spear Electrode Combination



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# 630 AND 1000 VARIABLE AREA FLOWMETERS

The Gallenkamp series 630 and 1000 range of Variable Area Flowmeters are suitable for measuring the instantaneous flow rate of virtually any process liquid or gas.

This range of flowmeters offers very low measurement capability down to 2-20 cc/min (Air).

The Gallenkamp series 630 and 1000 flowmeters have rear facing connections as standard. The instruments are supplied complete with 2xM3 mounting studs x10mm long.

- All stainless-steel construction offering excellent corrosion resistance
- Direct reading of instantaneous flow rate
- 56 or 93mm tube lengths
- Valved or non-valved versions
- Rear facing connections
- Long Service Life
- Minimal maintenance



## Product Codes

CODE	MODEL	DESCRIPTION
GK-630	630	Variable Area Flowmeters
GK-630V	630V	Variable Area Flowmeter with valve
GK-1000	1000	Variable Area Flowmeters
GK-1000V	1000V	Variable Area Flowmeter with valve

# 1200 VARIABLE AREA FLOWMETER

The Gallenkamp series 1200 flowmeter is produced in three standard sizes. Normally front of panel mounted but can also be rear of panel mounted and supplied complete with bezel and panel mounting kit.

The 1200 series Flowmeter will give an instantaneous flow rate of virtually any process gas or liquid. Can be supplied with either nickel plated brass, anodised aluminium alloy, or stainless-steel connections.

- Three standard lengths available
- Straight through or rear facing connections
- Easy to read scale
- Polycarbonate safety cover
- Minimal maintenance, long service life
- Easy in-situ tube removal and re-installation
- Available in Brass and stainless steel



## Product Codes

CODE	MODEL	DESCRIPTION
GK-1200CVS	1200 Compact	Variable Area Flowmeter, Stainless steel with valve
GK-1200CVB	1200 Compact	Variable Area Flowmeter, Brass with valve
GK-1200CS	1200 Compact	Variable Area Flowmeter, Stainless steel
GK-1200CB	1200 Compact	Variable Area Flowmeter, Brass
GK-1200SVS	1200 Standard	Variable Area Flowmeter, Stainless steel with valve
GK-1200SVB	1200 Standard	Variable Area Flowmeter, Brass with valve
GK-1200SS	1200 Standard	Variable Area Flowmeter, Stainless steel
GK-1200SB	1200 Standard	Variable Area Flowmeter, Brass
GK-1200VLS	1200 Long	Variable Area Flowmeter, Stainless steel with valve
GK-1200VLB	1200 Long	Variable Area Flowmeter, Brass with valve
GK-1200LS	1200 Long	Variable Area Flowmeter, Stainless steel
GK-1200LB	1200 Long	Variable Area Flowmeter, Brass



# 1750 VARIABLE AREA FLOWMETER

The GallenKamp 1750 range of variable area flowmeters offer an excellent means of instantaneous flow rate measurement.

The 1750 flowmeter can be fitted with Hi and Lo latching alarms. The end connections can be supplied in stainless steel or rigid PVC.

The units are fitted with a calibrated scale. A metric scale of 100mm is permanently fixed on the tube. This flow meter can be used to measure the flow rate of most process gases and liquids.

- Ranges up to 125L/min of water (or 3000L/min air @1013 mbar abs 200C) are supplied as standard.
- Direct reading of instantaneous flow rates
- Polycarbonate safety cover
- Metric scales
- Wide range of standard flow ranges



## Product Codes

CODE	MODEL	DESCRIPTION
GK-1750S	1750	Variable Area Flowmeters, Stainless Steel
GK-1750P	1750	Variable Area Flowmeter, PVC

# FA50 FLOW ALARM

The GallenKamp series FA50 Flow Alarm offers a flowmeter and adjustable flow alarm system within the same unit.

FA50 Flow alarm is suitable for most common process liquids and gases and utilises the variable area flowmeter principle of operation.

The alarm system uses the reed switch principle and is triggered by a small magnet housed within the float.

- Adjustable alarm/set point
- Catching contact mechanism
- Standard or customised flow scales
- Easy in-situ tube removal
- RPVC or Stainless-Steel connections
- Polycarbonate safety cover
- Minimal maintenance, long service life



## Product Codes

CODE	MODEL	DESCRIPTION
GK-FA50S	1750	Flow alarm, Stainless Steel
GK-FA50P	1750	Flow alarm, PVC



## RETORT BASES



Retort bases are steel varnished with a M10 thread and 1 adjustable foot.

Product Codes

CODE	MATERIAL	DIMENSIONS	WEIGHT (KG)
5030	Steel	180x100x6	0.8
5031	Steel	210x130x6	1.3
5032	Steel	250x160x6	2.0
5033	Steel	300x150x6	2.2
5034	Steel	315x200x6	3.0
5035	Steel	210x130x8	1.8
5036	Steel	250x160x8	2.6
5037	Steel	315x200x8	4.0
5038	Steel	315x200x10	5.0



## RODS WITH WINDING



Rods for retort stand bases M10 are available in different lengths and in 18/10 stainless steel, steel zincked and aluminium. Rods are available with and without winding.

Product Codes

CODE	MATERIAL	DIMENSIONS (LXD)
5110	18/10 steel	500x12
5111	18/10 steel	600x12
5112	18/10 steel	750x12
5113	18/10 steel	1000x12
5114	18/10 steel	1250x12
5115	18/10 steel	1500x12
5116	18/10 steel	1000x16
5117	18/10 steel	1250x16
5118	18/10 steel	1500x16
5130	Aluminium	500x12
5131	Aluminium	600x12
5132	Aluminium	750x12
5133	Aluminium	1000x12
5150	Steel zincked	500x12
5151	Steel zincked	600x12
5152	Steel zincked	750x12
5153	Steel zincked	1000x12
5154	Steel zincked	1250x12
5155	Steel zincked	1500x12
5170	18/10 Steel	500x13
5171	18/10 Steel	600x13
5172	18/10 Steel	750x13
5173	18/10 Steel	100x13
5174	18/10 Steel	1250x13
5175	18/10 Steel	1500x13



# RODS WITHOUT WINDING

Rods for retort stand bases M10 are available in different lengths and in 18/10 stainless steel, steel zincked and aluminium. Rods are available with and without winding.

## Product Codes

CODE	MATERIAL	DIMENSIONS (LXD)
5120	18/10 steel	500x12
5121	18/10 steel	600x12
5122	18/10 steel	750x12
5123	18/10 steel	1000x12
5124	18/10 steel	1250x12
5125	18/10 steel	1500x12
5126	18/10 steel	1000x16
5127	18/10 steel	1250x16
5128	18/10 steel	1500x16
5140	Aluminium	500x12
5141	Aluminium	600x12
5142	Aluminium	750x12
5143	Aluminium	1000x12
5160	Steel zincked	500x12
5161	Steel zincked	600x12
5162	Steel zincked	750x12
5163	Steel zincked	1000x12
5164	Steel zincked	1250x12
5165	Steel zincked	1500x12
5180	18/10 Steel	500x13
5181	18/10 Steel	600x13
5182	18/10 Steel	750x13
5183	18/10 Steel	1000x13
5184	18/10 Steel	1250x13
5185	18/10 Steel	1500x13



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for more information  
on our products**

# BOSSHEAD, 18/10 STAINLESS STEEL

Screw types:

- Type 2: Heart screw M6/M8
- Type 3: Socket screw M6/M8
- Type 4: Safety screw type "heart" M8

Product Codes

CODE	MATERIAL	DIAMETER	TYPE	ANGLE	THREAD
5300	18/10 Stainless	16.5	2	90	6
5310	18/10 Stainless	16.5	3	90	6
5305	18/10 Stainless	16.5	4	90	8



# BOSSHEAD, MALLEABLE CAST IRON

- T Cast chrome plated Bosshead.
- Type 1: Thumb screw M8
- Type 4: Safety screw type 'Heart' M8

Product Codes

CODE	MATERIAL	DIAMETER	TYPE	ANGLE	THREAD
5360	Tempered cast iron	16.5	1	90	8
5365	Tempered cast iron	16.5	4	90	8
5359	Tempered cast iron	20.0	1	90	8
5369	Tempered cast iron	36.0	1	90	8



# BOSSHEAD, ALUMINUM

- Screw types
- Type 1: Thumb screw M8
- Type 3: Socket screw M6
- Type 4: Safety screw type- "Heart" M8

Product Codes

CODE	MATERIAL	DIAMETER	TYPE	ANGLE	THREAD
5332	Aluminum	16.5	1	90	6
5342	Aluminum	16.5	3	90	8
5337	Aluminum	16.5	4	90	8
5330	Aluminum	16.5	1	90	8



# BOSSHEAD CROSS TYPE, 18/10 STAINLESS STEEL



Screw types

- Type 2: Heart screw M6
- Type 3: Socket screw M6
- Type 4: Safety screw type "heart" M8

Product Codes

CODE	MATERIAL	DIAMETER	TYPE	ANGLE	THREAD
5301	18/10 Stainless steel	16.5	2	90+180	6
5311	18/10 Stainless steel	16.5	3	90+180	6
5306	18/10 Stainless steel	16.5	4	90+180	8

# BOSSHEAD, MALLEABLE CAST IRON



- Type 1: Thumb screw M8
- Type 2: Safety screw type "heart" M8

Product Codes

CODE	MATERIAL	DIAMETER	TYPE	ANGLE	THREAD
5361	Tempered cast iron	16.5	1	90	8
5366	Tempered cast iron	16.5	4	90	8

# BOSSHEAD CROSS TYPE, ALUMINIUM



Screw types: Thumb screw M8

Product Codes

CODE	MATERIAL	DIAMETER	TYPE	ANGLE	THREAD
5333	Aluminium	16.5	1	90	8



# BOSSHEADS 18/10 STAINLESS STEEL AND ALUMINUM

Screw types:  
 Type 1: Thumb screw M8  
 Type 2: Heart screw M6  
 Type 4: Safety screw type "Heart" M8  
 Type 5: Safety screw



Product Codes

CODE	MATERIAL	DIAMETER	TYPE	ANGLE	THREAD
5353	18/10 Stainless Steel	16.5	2	180+90	8
5354	18/10 Stainless Steel	16.5	4	180+90	8
5350	Aluminum	16.5	1	180+90	8
5356	Aluminum	16.5	4	180+90	8
5352	Aluminum	16.5	1	180+90	10
5357	Aluminum	16.5	5	180+90	10

# BOSSHEAD CROSS TYPE, 18/10 STAINLESS STEEL, LABORAL



Product Codes

CODE	MATERIAL	DIAMETER	ANGLE
B08540167	18/10 Stainless	2-16	90
B08254168	Laboral	2-16	90
B08540271	18/10 Stainless	8-27	90
B08295273	Laboral	8-27	90

# BOSSHEAD SWIVEL TYPE

Screw types:  
 Type1: Thumb screw M8  
 Type2: Heart screw M6



Product Codes

CODE	MATERIAL	DIAMETER	TYPE	ANGLE	THREAD
5302	18/10 Stainless	16.5	2	0-360	6
5362	Tempered cast iron	16.5	1	0-360	8

# BOSSHEAD TECHNO



Ideal for supporting overhead stirrers.

Product Codes

CODE	MATERIAL	DIAMETER	M	ANGLE
5670	Aluminum	5-22	8	90



# RETORT CLAMP STANDARD



Span width is independently adjustable by 2 regulating screws.

Product Codes

CODE	MATERIAL	LENGTH X DEPTH	DIAMETER
B08235037	Laboral/PVC red	125x8	8-30
B08307036	18/10 Steel/ Silicone transparent	125x8	8-30
B08257658	Laboral/PVC red	140x12	15-65
B08294075	18/10 Steel/silicone transparent	140x12	20-75
B08301071	Laboral/PVC red	140x12	22-70



# RETORT CLAMP SPECIAL 3-PRONGS



Product Codes

CODE	MATERIAL	LENGTH X DEPTH	DIAMETER	TYPE
5562	Al/PVC	140x8	0-70	2
5565	AL/Cork	140x8	0-100	3
5566	AL/PVC	130x10	0-125	4



# RETORT CLAMP 3 PRONGS, LABORAL AND PVC

Span width d independently adjustable by 2 regulating screws.

Product Codes

CODE	MATERIAL	LENGTH X DEPTH	DIAMETER
B08256108	Laboral/PVC	140x12	12-100



# CLAMP MICRO 18/10 STAINLESS STEEL

Type 1+2: Finger with cork  
Type 3: Finger with silicone

Product Codes

CODE	MATERIAL	LENGTH X DEPTH	DIAMETER	TYPE
5400	18/10 steel	150x10	15	1
5405	18/10 steel	150x10	15	2
5415	18/10 steel	150x10	90	3



# CLAMP MICRO, MALLEABLE CAST IRON

Malleable cast iron green varnished, finger with cork.

Product Codes

CODE	MATERIAL	LENGTH X DEPTH	DIAMETER	TYPE
5460	Tempered cast iron	150x12	15	1



# RETORT CLAMP MAXI



Steel chromium plated, fiberglass covered, 400mm total length.

Product Codes

CODE	MATERIAL	LENGTH	DIAMETER
5567	Steel chromium plated	210	80-180



# CONDENSER CLAMP, MALLEABLE CAST IRON



Chromium plated, swivel type and silicone coated.

Product Codes

CODE	MATERIAL	LENGTH X DEPTH	DIAMETER
5474	Cast iron	150x12	50-100



# STABILISING RING

Stablising rings for Erlenmeyers

- PVC covered steel
- Suitable for Erlenmeyers , flask etc

The weight of the ring prevents flasks from floating when placed in a thermal bath.



Product Codes

CODE	MATERIAL	DIAMETER	WEIGHT (KG)
5660	18/10 stainless	50	207
5661	18/10 stainless	70	340
5662	18/10 stainless	100	470

# RETORT RINGS

Different types available

Type 1: Closed ring

Type 2: Closed ring, with bosshead

Type 3: Open ring



Product Codes

CODE	MATERIAL	LENGTH	DIAMETER	TYPE
5500	18/10 StainLess	160	50	1
5501	18/10 StainLess	200	70	1
5502	18/10 StainLess	220	100	1
5503	18/10 StainLess	220	120	1
5504	18/10 StainLess	220	140	1
5500M	18/10 StainLess	70	50	2
5501M	18/10 StainLess	70	70	2
5502M	18/10 StainLess	70	100	2
5503M	18/10 StainLess	70	120	2
5504M	18/10 StainLess	70	140	2
5510	18/10 StainLess	160	50	3
5511	18/10 StainLess	200	70	3
5512	18/10 StainLess	220	100	3
5580	Zincked	166	50	1
5581	Zincked	200	70	1
5582	Zincked	220	100	1
5583	Zincked	220	130	1
5584	Zincked	220	160	1
5580M	Zincked	70	50	2
5581M	Zincked	70	70	2
5582M	Zincked	70	100	2
5583M	Zincked	70	130	2
5584M	Zincked	70	160	2



# CRUCIBLE RETORT RING

For clamping of crucibles for heating over a gas flame

- Oriental clamp for crucibles 0-70mm rods can be moved
- Clamping rods: Ceramic rods "Degussit" (max 2030C)
- 3 point clamp: ring with 3 glide sleeves pointing to the center, the clamping rods inside the guide sleeves can be scrolled
- Suitable to be used with support stands or tripods: with support stands the distance between the gas flame and the crucible bottom can be adjusted.
- Fits also the platinum crucibles



CODE	MATERIAL	DIAMETER
5505	18/10 stainless	0-70

# TRIPOD

Thread M10 L= length leg, order rod separately.

Product Codes

CODE	MATERIAL	LENGTH	WEIGHT (KG)
5250	Cast iron	105	1.2
5251	Cast iron	145	2



# STAND WITH BASE PLATE H-SHAPED

Including one rod 18/10 stainless steel 1000x16mm (M12x30mm). Includes washer and nut.

Product Codes

CODE	MATERIAL	LENGTH X DEPTH X HEIGHT	WEIGHT
B084547161	Cast Iron	420x400x1000	8.5



# BUNSEN BURNER

Bunsen burner with needle valve. This Bunsen burner has an anti-slip rubber coating under the base.

- Air regulation
- Pilot flame
- Max 1300C

## Product Codes

CODE	MATERIAL	DIAMETER	HEIGHT	KW	TYPE	MBAR	G/H
7330	Ms-Ni	80	165	1.53	Natural gas	20	120
7340	Ms-Ni	80	165	2.36	Propane	60	180



# SAFETY GAS TUBE

Rubber tubing ideal for use with Bunsen burners. Recommended length is 1m. Can be purchased per meter.

## Product Codes

CODE	INNER DIAMETER	WALL THICKNESS
7835	10	150x10



# TUBING CLAMP

Nickel plated tubing clamp for gas connector.

## Product Codes

CODE	MATERIAL
7760	Nickel Plated







## INSTRUMENT TRAY WITH LID

Steel container with lid and handle. Trays are suitable for autoclaves and vacuum ovens.

Product Codes

CODE	MATERIAL	DIMENSIONS LxWxH
8710	18/10 Stainless	160x100x30
8711	18/10 Stainless	180x120x50
8712	18/10 Stainless	200x100x50
8713	18/10 Stainless	220x150x50
8714	18/10 Stainless	280x180x60
8715	18/10 Stainless	300x150x100
8716	18/10 Stainless	300x200x50
8717	18/10 Stainless	500x200x80



## INSTRUMENT TRAY WITH LID 2

Steel container with rounded angles. Trays are suitable for autoclaves and vacuum ovens.

Product Codes

CODE	MATERIAL	LENGTH X DEPTH LxHxH
8630	18/10 steel	210x150x40
8631	18/10 steel	240x180x40
8632	18/10 steel	270x210x40
8633	18/10 steel	300x240x40
8634	18/10 steel	360x300x40



## INSTRUMENT TRAY WITH LID 3

Malleable cast iron green varnished, finger with cork.

Product Codes

CODE	MATERIAL	LENGTH X DEPTH LxWxH
8475	18/10 Stainless	230x133x45
8476	18/10 Stainless	315x215x60



# INSTRUMENT TRAY WITH LID 4



Steel container with rounded angles and lid. Trays are suitable for autoclaves and vacuum ovens.

## Product Codes

CODE	MATERIAL	DIMENSIONS LxWxH
8400	18/10 stainless	180x90x30
8404	18/10 Stainless	215x100x50
8406	18/10 stainless	250x150x60
8407	18/10 Stainless	300x150x70



# TRAY WITH TWO HANDLES



Steel container with turn down handles. Suitable for autoclave and vacuum ovens.

## Product Codes

CODE	MATERIAL	LENGTH
8735	18/10 Stainless	250x180x70
8736	18/10 Stainless Stainless	350x250x70



# BOWL WITH TWO HANDLES



Steel bowl with two handles. Perfect for use with autoclaves and vacuum ovens.

## Product Codes

CODE	MATERIAL	HEIGHT	DIAMETER	ml
8445	18/10 Stainless	120	220	2700
8446	18/10 Stainless	140	260	4000
8447	18/10 Stainless	180	320	9500
8448	18/10 Stainless	190	366	1200





# CRUCIBLE WITH LID

Available as 99.6% Nickel or 18/10 Stainless steel. Lids to be ordered separately.

Type 1: 0.5mm  
Type 2: 1.0mm  
Type 3: 1.5mm  
Type 4: 2.0mm



## Product Codes

CODE	MATERIAL	HEIGHT	DIAMETER	ml	TYPE	LID
8100	Ni 99.5%	25	20	5	1	8180
8101	Ni 99.5%	30	25	10	1	8181
8102	Ni 99.5%	30	30	15	1	8182
8103	Ni 99.5%	35	35	25	1	8183
8104	Ni 99.5%	40	40	30	1	8184
8105	Ni 99.5%	45	45	50	1	8185
8106	Ni 99.5%	50	50	70	1	8186
8107	Ni 99.5%	60	60	130	1	8187
8109	Ni 99.5%	80	80	270	1	8189
8122	Ni 99.5%	30	30	15	2	8182
8123	Ni 99.5%	35	35	25	2	8183
8124	Ni 99.5%	40	40	30	2	8184
8125	Ni 99.5%	45	45	50	2	8185
8126	Ni 99.5%	50	50	70	2	8186
8127	Ni 99.5%	60	60	130	2	8187
8129	Ni 99.5%	80	80	270	2	8189
8145	Ni 99.5%	45	45	50	3	8185
8164	Ni 99.5%	40	40	30	4	8184
8166	Ni 99.5%	50	50	70	4	8186
8167	Ni 99.5%	60	60	130	4	8187
8180	Ni 99.5%	-	20	-	-	-
8181	Ni 99.5%	-	25	-	-	-
8182	Ni 99.5%	-	30	-	-	-
8183	Ni 99.5%	-	35	-	-	-
8184	Ni 99.5%	-	40	-	-	-
8185	Ni 99.5%	-	45	-	-	-
8186	Ni 99.5%	-	50	-	-	-
8187	Ni 99.5%	-	60	-	-	-
8189	Ni 99.5%	-	80	-	-	-
8881	Ni 99.5%	35	35	25	2	8891
8882	Ni 99.5%	35	40	30	2	8892
8883	18/10 Stainless	45	50	70	2	8893
8891	18/10 Stainless	-	35	-	-	-
8892	18/10 Stainless	-	40	-	-	-
8893	18/10 Stainless	-	50	-	-	-

# INSTRUMENT TRAYS STAINLESS STEEL

Instrument tray stainless steel crevice free design with a polished finish is ideal for general laboratory use, carrying instruments or sampling tools on a clean surface. Trays are autoclavable.

## Product Codes

CODE	MATERIAL	LENGTH
T08	Instrument Tray stainless steel crevice free design with polished finish. Ideal for general laboratory use, carrying instruments or sampling tools on a clean surface. Can be autoclaved.	325 x 265mm overall, recessed depth 8mm
T12	Instrument Tray stainless steel crevice free design with polished finish. Ideal for general laboratory use, carrying instruments or sampling tools on a clean surface. Can be autoclaved.	355 x 325mm overall, recessed depth 8mm
T22	Instrument Tray stainless steel crevice free design with polished finish. Ideal for general laboratory use, carrying instruments or sampling tools on a clean surface. Can be autoclaved.	530 x 325mm



# STAINLESS STEEL CRUCIBLE LIDS

Laboratory stainless steel crucible lid, stainless steel 304 spec 18/18 non-magnetic, bright finish. Crucible lids are flat with a depression for centering on crucibles with an extension to one side that serves as a handle.

## Product Codes

CODE	DESCRIPTION
163	30mm Diameter Stainless steel Crucible Lid
164	35mm Diameter Stainless steel Crucible Lid
165	40mm Diameter Stainless steel Crucible Lid
166	50mm Diameter Stainless steel Crucible Lid



# STAINLESS STEEL CRUCIBLES

Laboratory stainless steel crucible, stainless steel 304 spec 18/18 non-magnetic, bright finish. Stainless steel crucibles are much harder and last longer than porcelain types. They are easier to clean and are shatterproof.

## Product Codes

CODE	MATERIAL	LENGTH
123	External: 30mm Diameter	Brimful Capacity: Capacity 15ml
124	External: 35mm Diameter	Brimful Capacity: Capacity 25ml
125	External: 40mm Diameter	Brimful Capacity: Capacity 30ml
126	External: 45mm Diameter	Brimful Capacity: Capacity 50ml
128	External: 50mm Diameter	Brimful Capacity: Capacity 70ml



# NICKEL CRUCIBLE LID

Laboratory nickel crucible lid, nickel 201 spec (minimum 99.6% nickel content), bright finish. Crucible lids are flat with a depression for centering on crucible with an extension on one side that serves as a handle.

## Product Codes

CODE	DESCRIPTION	PACKED WEIGHT
45	25mm Diameter Nickel Crucible Lid	0.003 Kg
46	30mm Diameter Nickel Crucible Lid	0.004 Kg
47	35mm Diameter Nickel Crucible Lid	0.008 Kg
48	40mm Diameter Nickel Crucible Lid	0.009 Kg
49	45mm Diameter Nickel Crucible Lid	0.011kg
51	60mm Diameter Nickel Crucible Lid	0.018 Kg



# NICKEL CRUCIBLE

Laboratory Nickel crucible, nickel 201 (minimum 99.6% nickel content) formed to slope from one nickel billet, bright finish inside and out.

## Product Codes

CODE	DIMENSIONS	CAPACITY	PACKED WEIGHT
3	Height A: 30mm Diameter B: 30mm Thickness: 0.5mm	Brimful Capacity: 15ml	0.013 kg
4	Height A: 35mm Diameter B: 35mm Thickness: 0.5mm	Brimful Capacity: 25ml	0.018 kg
5	Height A: 40mm Diameter B: 40mm Thickness: 0.5mm	Brimful Capacity: 30ml	0.022 kg
6	Height A: 45mm Diameter B: 45mm Thickness: 0.5mm	Brimful Capacity: 50ml	0.027 kg
7	Height A: 50mm Diameter B: 50mm Thickness: 0.5mm	Brimful Capacity: 70ml	0.035 kg
8	Height A: 60mm Diameter B: 60mm Thickness: 0.5mm	Brimful Capacity: 130ml	0.054 kg
14	Height A: 30mm Diameter B: 30mm Thickness: 1.0mm	Brimful Capacity: 15ml	0.025 kg
17	Height A: 45mm Diameter B: 45mm Thickness: 1.0mm	Brimful Capacity: 50ml	0.054 kg
22	Height A: 90mm Diameter B: 100mm Thickness: 1.0mm	Brimful Capacity: Capacity 600ml	0.09Kg





## TEST TUBE STANDS



Round steel test tube stands suitable for use in water baths.

### Product Codes

CODE	MATERIAL	DIMENSIONS LxH	DIAMETER	NUMBER OF TUBES
8230	18/10 Stainless	98x165	20	9
8231	18/10 Stainless	16x165	20	12
8233	18/10 Stainless	194x165	20	45



## WIRE TEST TUBE STAND POLISHED



Wire test tube stand e-polished.

### Product Codes

CODE	MATERIAL	DIMENSIONS LxWxH	DIAMETER	TYPE
10170	18/10 E-Polished	130x50x70	16	2x6
10171	18/10 E-Polished	210x50x70	16	2x6
10172	18/10 E-Polished	250x50x70	16	2x6
10173	18/10 E-Polished	250x70x70	16	2x6
10174	18/10 E-Polished	130x90x70	16	2x6
10175	18/10 E-Polished	250x90x70	16	2x6
10176	18/10 E-Polished	210x210x70	16	2x6



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## PADDLE STIRRER - 2 FIXED BLADES

Stainless steel paddle stirrer with two flexible blades.  
Suitable to use with overhead stirrers

- Rpm- range middle
- Mixing of media with low and middle viscosity
- Radial flow

Product Codes

CODE	MATERIAL	LENGTH	DIAMETER	D1
9603	18/10 Stainless	300	8	60
9604	18/10 Stainless	400	8	60
9605	18/10 Stainless	500	8	60



## PADDLE STIRRER- 4 VERTICAL BLADES

Stainless steel paddle stirrer with 4 vertical blades.  
Suitable to use with overhead stirrers.

- Rpm- range middle
- Mixing of media with low and middle viscosity
- Radial flow
- Mixing of media with low and middle viscosity
- Radial flow

Product Codes

CODE	MATERIAL	LENGTH	DIAMETER	D1
9053	18/10 Stainless steel	300	8	50
9054	18/10 Stainless steel	400	8	50
9055	18/10 Stainless steel	500	8	50
9056	18/10 Stainless steel	300	10	100
9057	18/10 Stainless steel	400	10	100
9058	18/10 Stainless steel	500	10	100



## CENTRIFUGAL STIRRER WITH 2 FLEXIBLE BLADES

Stainless steel or PTFE coated centrifugal stirrers with 2 flexible blades.

- Ideal for use with overhead stirrers and for jars with a narrow opening.
- Rpm- range middle
- Mixing of media with low and middle viscosity
- Radial flow

Product Codes

CODE	MATERIAL	LENGTH	DIAMETER	D1
9209	18/10 Stainless steel	300	8	90/10
9210	18/10 Stainless steel	400	8	90/10
9211	18/10 Stainless steel	500	8	90/10
9212	18/10 Stainless steel	300	10	90/10
9213	18/10 Stainless steel	400	10	90/10
9214	18/10 Stainless steel	500	10	90/10
9215	18/10 Stainless steel	650	10	90/10
GK-9216	PTFE coating	500	8	90/10





# PADDLE STIRRER WITH 3 HOLES

Stainless steel paddle stirrer with 3 holes. Ideal for use with overhead stirrers.

- Rpm- range middle
- Mixing of media with low and middle viscosity
- Radial flow

Product Codes

CODE	MATERIAL	LENGTH	DIAMETER	D1
9403	18/10 Stainless	300	8	70
9404	18/10 Stainless	400	8	70
9405	18/10 Stainless	500	8	70
9406	18/10 Stainless	300	10	70
9407	18/10 Stainless	400	10	70
9408	18/10 Stainless	500	10	70



# PADDLE STIRRER WITH 6 HOLES

Stainless steel paddle stirrer with 6 holes. Ideal for use with overhead stirrer.

- Rpm- range middle
- Mixing of media with low and middle viscosity
- Radial flow

Product Codes

CODE	MATERIAL	DIMENSIONS LxWxH	DIAMETER	TYPE
9503	18/10 Stainless steel	300	8	70
9504	18/10 Stainless steel	400	8	70
9505	18/10 Stainless steel	500	8	70
9506	18/10 Stainless steel	300	10	70
9507	18/10 Stainless steel	400	10	70
9508	18/10 Stainless steel	500	10	70



# PROPELLER STIRRER WITH 3 FIXED BLADES

Stainless steel propeller stirrer with 3 fixed blades. Ideal for the use with overhead stirrers.

- Rpm- range middle
- Mixing of media with low and middle viscosity
- Ideal for homogenising and suspension
- Axial flow

Product Codes

CODE	MATERIAL	HEIGHT	DIAMETER	D1
9103	18/10 Stainless steel	300	8	20
9104	18/10 Stainless steel	400	8	50
9105	18/10 Stainless steel	500	8	50
9109	18/10 Stainless steel	300	8	70
9110	18/10 Stainless steel	400	8	70
9111	18/10 Stainless steel	500	8	70
9112	18/10 Stainless steel	300	10	100
9113	18/10 Stainless steel	400	10	100
9114	18/10 Stainless steel	500	10	100
9115	18/10 Stainless steel	650	10	70
9116	18/10 Stainless steel	800	10	100



# PROPELLER STIRRER 3 BLADES- 1 CASTING PIECE

Stainless steel cast-iron propeller stirrer with 3 blades and 1 casting piece.

Product Codes

CODE	MATERIAL	LENGTH	DIAMETER	D1
9120	18/10 Stainless steel and cast iron	300	8	50
9129	18/10 Stainless steel and cast iron	650	10	70
9128	18/10 Stainless steel and cast iron	500	10	100
9127	18/10 Stainless steel and cast iron	400	10	100
9126	18/10 Stainless steel and cast iron	300	10	100
9125	18/10 Stainless steel and cast iron	500	8	70
9124	18/10 Stainless steel and cast iron	400	8	70
9123	18/10 Stainless steel and cast iron	300	8	70
9122	18/10 Stainless steel and cast iron	500	8	50
9121	18/10 Stainless steel and cast iron	400	8	50
9130	18/10 Stainless steel and cast iron	800	10	100



# PROPELLER STIRRERS, 4 FIXED BLADES

Stainless steel propeller stirrer with 4 fixed blades. Ideal to be used with overhead stirrers.

- Rpm- range middle
- Mixing of media with low and middle viscosity
- Ideal for homogenising and suspension
- Axial flow

Product Codes

CODE	MATERIAL	LENGTH	DIAMETER	D1
9003	18/10 Stainless steel	300	8	50
9004	18/10 Stainless steel	400	8	50
9005	18/10 Stainless steel	500	8	50
9009	18/10 Stainless steel	300	8	100
9010	18/10 Stainless steel	400	8	100
9011	18/10 Stainless steel	500	8	100
9012	18/10 Stainless steel	500	8	70
9013	18/10 Stainless steel	650	10	100
9014	18/10 Stainless steel	850	10	100



# PROPELLER STIRRER WITH RING

Stainless steel propeller stirrer with ring. Ideal to be used with overhead stirrers

- Rpm- range middle
- Mixing of media with low and middle viscosity
- Ideal for homogenising and suspension
- Axial flow

Product Codes

CODE	MATERIAL	LENGTH	DIAMETER	D1
9025	18/10 Stainless steel	400	7	45
9026	18/10 Stainless steel	400	7	66



# TURBINE RADIAL STIRRER

Stainless steel turbine radial stirrer. Suitable for use with overhead stirrers.

- Rpm- range middle
- Mixing of media with low and middle viscosity <math><500\text{mPa}</math>
- Ideal for aeration of liquids
- Radial flow

CODE	MATERIAL	LENGTH	DIAMETER	D1
9030	18/10 Stainless steel	400	7	50



# UNIVERSAL VISCOSITY STIRRER

AISI 316 steel universal viscosity stirrer. Ideal for the use with overhead stirrer.

- Mixing of low to high viscous media
- Even with a low rpm range, a dynamic radial flow will be generated.
- Complete degasification of the media, foam generation and air inlet will be avoided.

Product Codes

CODE	MATERIAL	LENGTH	DIAMETER	D1	RPM
9020	AISI 316	500	10	80	200-700
9021	AISI 316	500	10	120	120-500



# CRUCIBLE TONGS WITH RIDGES

Available in steel polished and Stainless, PTFE coating, Nickel (99.5%), Titanium and carbon coating.

These tongs are suitable to be used with crucibles.

Product Codes

CODE	MATERIAL	LENGTH (FULL)	LENGTH (HALF)	d/Ø	D/Ø
2099	18/10 polished steel	160	85	18	4
2100	18/10 polished steel	200	95	20	4.5
2101	18/10 polished steel	220	100	20	4.5
2102	18/10 polished steel	250	115	30	4.5
2103	18/10 polished steel	300	145	30	5
2104	18/10 polished steel	400	175	35	6
2105	18/10 polished steel	500	225	35	6
2106	18/10 Stainless steel	600	270	40	8
2130	18/10 polished steel	200	95	20	4.5
2131	18/10 polished steel	220	100	20	4.5
2132	18/10 polished steel	250	115	30	4.5
2133	18/10 polished steel	300	145	30	5
2400	PTFE coating	200	95	20	4.5
2401	PTFE coating	250	115	30	4.5
2110	Ni 99.5%	200	95	20	4
2910	Titanium	220	100	20	4.5
2410	Carbon coating	220	100	20	4.5



# CRUCIBLE TONGS RUGGED TYPE

Polished steel rugged type crucible tongs are suitable to be used with crucibles.

Product Codes

CODE	MATERIAL	LENGTH (FULL)	LENGTH (HALF)	d/Ø	D/Ø
2140	18/10 polished steel	200	95	20	6
2141	18/10 polished steel	220	100	20	6
2142	18/10 polished steel	250	115	30	6
2143	18/10 polished steel	300	145	30	6
2144	18/10 polished steel	400	175	35	8
2145	18/10 polished steel	500	225	35	8
2146	18/10 polished steel	600	270	40	8



# CRUCIBLE TONGS, PLASTIC HANDLE

Stainless steel crucible tongs with plastic handle PVC.

- Max temperature, 145C

Product Codes

CODE	MATERIAL	LENGTH (FULL)	LENGTH (HALF)	d/Ø	D/Ø
2160	18/10 stainless steel	200	95	20	5
2161	18/10 stainless steel	220	100	20	5
2162	18/10 stainless steel	250	115	30	5
2163	18/10 stainless steel	300	145	30	5



# TONGS STRAIGHT - STAINLESS STEEL

Laboratory straight tong, stainless steel 304 spec 18/18 non-magnetic, bright finish. Laboratory cleanliness and stainless steel are closely related and in many applications, each is dependant upon the other and its stainless steel providing the degree of corrosion resistance that is necessary to prevent product contamination.

Product Codes

CODE	DESCRIPTION	DIMENSIONS	PACKED WEIGHT
3030	Laboratory Straight Tong, stainless steel 304 spec 18/8 non-magnetic, bright finish. Supplied in standard packs of 5	Length A: 160mm Tips to hinge B: 72mm	0.046 kg
3031	Laboratory Straight Tong, stainless steel 304 spec 18/8 non-magnetic, bright finish.	Length A: 210mm Tips to hinge B: 105mm	0.077 kg
3033	Laboratory Straight Tong, stainless steel 304 spec 18/8 non-magnetic, bright finish.	Length A: 305mm Tips to hinge B: 130mm	0.160 kg



# TONGS STRAIGHT - MILD STEEL

Laboratory straight tong, mild steel, clear passivate bright finish. Should add pack size to table- 5 per pack.

Product Codes

CODE	DESCRIPTION	DIMENSIONS	PACKED WEIGHT
3040	Laboratory Straight Tong, mild steel, clear passivate bright finish.	160 x 75mm	0.045 kg



# TONGS BOW - NICKEL

Laboratory bow tong, nickel 200 spec (minimum 99.6% nickel content), bright finish. Nickel is highly resistant to various reducing chemicals and is unexcelled in resistance to caustic alkalis.

Add in pack size to table - 5 per pack

Product Codes

CODE	DIMENSIONS	PACK SIZE
3051	Overall 152mm. Bow length from tip to pivot point 72mm, Bow form 18mm closed and 55mm fully open	5 in a pack



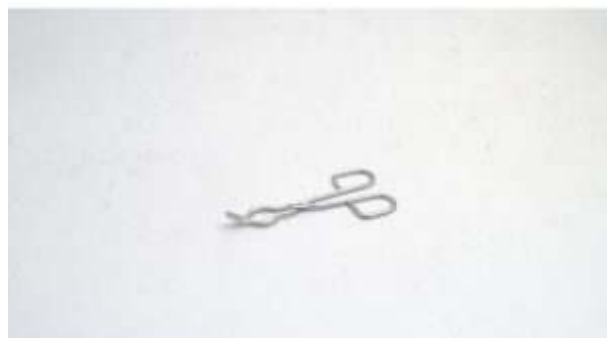


# TONGS BOW - STAINLESS STEEL

Laboratory bow tong, stainless steel 304 spec 18/18 non-magnetic, bright finish.  
Add in pack size to table - 5 per pack

Product Codes

CODE	DESCRIPTION	DIMENSIONS	PACKED WEIGHT
3060	Laboratory Bow Tong, stainless steel 304 spec 18/8 non-magnetic, bright finish. Supplied in standard packs of 5.	Length A: 160mm Tips to hinge B: 72mm Bow closed C: 18mm Bow open fully C: 55mm	0.059kg
3061	Laboratory Bow Tong, stainless steel 304 spec 18/8 non-magnetic, bright finish.	Length A: 203mm Tips to hinge B: 90mm Bow closed C: 25mm Bow open fully C: 75mm	0.078kg



**NICKEL - ELECTRO LTD.**  
Manufacturers of the Clifton Range

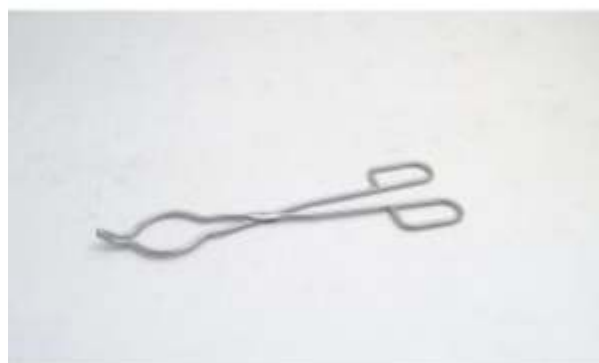
# TONGS BOW - MILD STEEL

Laboratory bow tong, mild steel, clear passivated bright finish.

Add in pack size to table - 5 per pack

Product Codes

CODE	DESCRIPTION	DIMENSIONS	PACKED WEIGHT
3071	Laboratory Bow Tong, mild steel, clear passivated bright finish.	Length A: 203mm Tips to hinge B: 90mm Bow closed C: 25mm Bow open fully C: 75mm	0.045 kg
3073	Laboratory Bow Tong, mild steel, clear passivated bright finish.	Length A: 305mm Tips to hinge B: 130mm Bow closed C: 50mm Bow open fully C: 100mm	-



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Manufacturers of the Clifton Range

# TONGS FOR FLASKS AND BEAKERS

235mm flask tongs, cork lined rectangular jaws.  
Add in pack size to table - 1 per pack

Product Codes

CODE	MATERIAL	PACKED WEIGHT
7002	235mm Flask Tongs, Cork Lined Rectangular Jaws. Pack size 1 off.	-
7005	Laboratory Beaker Tongs, stainless steel, with jaws covered with Silicone Sleeves which reduces risk breakage when handling beakers. Holds beakers 100 to 1000ml. Overall length 356mm. Silicone sleeves Operating Temperature: - 60 °C to +180 °C.	0.21kg



**NICKEL - ELECTRO LTD.**  
Manufacturers of the Clifton Range



# NUFFIELD SPATULA

Stainless steel. Straight with box joint.

- Excellent thermal resistance, autoclavable
- Excellent chemical resistance
- Quick and easy to clean



### Product Codes

CODE	DESCRIPTION	WEIGHT
6850	Nuffield Spatula, 140mm, stainless steel.I. Nuffield pattern.	0.012
2. Supplied in standard packs of 10		

# SPATULAS CHATTAWAY LIGHT - NICKEL

Multipurpose spatula made of pure nickel (99,6%) for a wide range of uses.

- Excellent chemical resistance
- Excellent thermal resistance
- Quick and easy to clean



### Product Codes

MODEL	DESCRIPTION	WEIGHT
2303	1200 Laboratory Chattaway Spatula, nickel 200 spec (minimum 99.6% nickel content), bright finish. Dimensions - guide  Length = 150mm. Blade width = 8mm. Centre barrel diameter 2.95mm - 'light' One end flat, other end at 45° angle. Supplied in standard packs of 5.	0.009 kg
2305	Laboratory Chattaway Spatula, nickel 200 spec (minimum 99.6% nickel content), bright finish. Dimensions - guide  Length = 200mm. Blade width = 8mm. Centre barrel diameter 2.95mm - 'light' One end flat, other end at 45° angle. Supplied in standard packs of 5.	0.012 kg

# SPATULAS NICKEL CHATTAWAY - MEDIUM



Multipurpose spatula made of pure nickel (99,6%) for a wide range of uses.

- Excellent chemical resistance
- Excellent thermal resistance
- Quick and easy to clean

## Product Codes

CODE	DESCRIPTION	WEIGHT
2214	Laboratory Chattaway Spatula, nickel 200 spec (minimum 99.6% nickel content), bright finish. Dimensions - guide  Length = 200mm. Blade width = 10mm. Centre barrel diameter 3,65mm - 'medium' One end flat, other end at 45° angle. Supplied in standard packs of 5.	0.018kg
2215	Laboratory Chattaway Spatula, nickel 200 spec (minimum 99.6% nickel content), bright finish. Dimensions - guide  Length = 230mm. Blade width = 10mm. Centre barrel diameter 3,65mm - 'medium' One end flat, other end at 45° angle. Supplied in standard packs of 5.	0.021kg

# SPATULAS NICKEL CHATTAWAY - MICRO



Stainless steel or pure nickel (99,6%), Multipurpose spatula for a wide range of uses.

- Excellent chemical resistance
- Excellent thermal resistance
- Quick and easy to clean

## Product Codes

CODE	DESCRIPTION
2250	Laboratory Chattaway Spatula, nickel 200 spec (minimum 99.6% nickel content), bright finish. Length = 100mm. Spatula Blade width = 4mm. Centre barrel diameter 1,60mm - 'micro' Spatula Blade One end flat, other end at 45° angle. Supplied in standard packs of 5.
2252	Laboratory Chattaway Spatula, nickel 200 spec (minimum 99.6% nickel content), bright finish. Length = 150mm. Spatula Blade width = 4mm. Centre barrel diameter 1,60mm - 'micro' Spatula Blade One end flat, other end at 45° angle. Supplied in standard packs of 5.
2254	Laboratory Chattaway Spatula, nickel 200 spec (minimum 99.6% nickel content), bright finish. Length = 200mm. Spatula Blade width = 4mm. Centre barrel diameter 1,60mm - 'micro' Spatula Blade One end flat, other end at 45° angle. Supplied in standard packs of 5.

# SPATULAS NMR



NMR Spatula, stainless steel 304 spec 18/8 non-magnetic, bright finish. Packed Weight: 0.012kg This micro spatula is recommended for small powder samples for introducing into 5mm OD NMR tubes. The spatula is 250mm long allowing you to reach the very bottom of the tube to remove samples easily.



## Product Codes

CODE	DESCRIPTION	DIMENSIONS
9576	The rounded end of the spatula with curved tip can be used as a scoop whilst flat end can be used to break stuck samples. Both ends are 3.5mm wide.  Supplied in standard pack of 1.250mm long	External: 250mm long

# SPATULAS OFFSET SPOON



Laboratory Offset Spoon, stainless steel 304 spec 18/8 non-magnetic, bright finish. Supplied in standard packs of 10. The unique curved shape spoon, offset, allows contact with all corners of bottles and containers reducing sample losses. The alternate end can be used as a scraper to chip away at hard samples or used as a spatula for sampling or lifting.



## Product Codes

CODE	DESCRIPTION	WEIGHT
8205	Can be used within laboratory to retrieve powders, granules, solids and viscous liquids.  Dimensions – guide  Overall = 190mm. Spoon approximately = 20 x 25mm. Spoon end = 17mm offset. Centre barrel diameter 8mm. Scraper end = 12mm.	0.015 kg



# SPATULAS QUAVERETTE VIBRATING

For making accurate additions of precious materials by spinning the toothed thumb wheel.  
Vibrates the spatula, giving you control of how much or how little is dispensed.  
Allows for small grains of powders to be counted off the end.  
The narrow v-shaped blade and length easily manoeuvres into narrow necked containers.  
The spatula is manufactured from stainless steel, v shaped end, with plastic handle shaped to suit hand.



## Product Codes

CODE	DESCRIPTION
9572	Spatulas Quaverette Vibrating

# SPATULAS SPOON ONE END- NICKEL

Use one tool for two jobs. Nickel Electro™ Nickel Dual Spoon/Spatula Combo Utensils measure liquids and powders with the spoon end and divide and separate materials with the spatula end.



## Product Codes

MODEL	DESCRIPTION	WEIGHT
2001	Laboratory Spoon One End Spatula, nickel. Dimensions – guide  Length = 120mm long. Spoon measurement 20mm wide. Spoon capacity [Liquid] = 2ml.  Supplied in standard packs of 10	0.011

# SPATULAS STAINLESS STEEL - SPOON



Multipurpose spoon for a wide range of uses.

- Excellent chemical resistance
- Excellent thermal resistance
- Quick and easy to clean



### Product Codes

CODE	DESCRIPTION	WEIGHT
8040	Laboratory Spoon, stainless steel 304 spec 18/8 non-magnetic, bright finish. Supplied in standard packs of 10.	0.012kg

# SPATULAS STAINLESS STEEL CHATTAWAY - MEDIUM



Multipurpose spatula made of stainless steel for a wide range of uses.

- Excellent chemical resistance
- Excellent thermal resistance
- Quick and easy to clean



### Product Codes

CODE	MODEL	DESCRIPTION
2310	Laboratory Chattaway Spatula, stainless steel 304 spec 18/8 non-magnetic, bright finish. Length = 100mm. Blade width = 10mm. Centre barrel diameter 3.65mm - 'medium' One end flat, other end at 45° angle.	0.008kg
2312	Laboratory Chattaway Spatula, stainless steel 304 spec 18/8 non-magnetic, bright finish. Length = 150mm. Blade width = 10mm. Centre barrel diameter 3.65mm - 'medium' One end flat, other end at 45° angle.	0.012kg
2314	Laboratory Chattaway Spatula, stainless steel 304 spec 18/8 non-magnetic, bright finish. Length = 200mm. Blade width = 10mm. Centre barrel diameter 3.65mm - 'medium' One end flat, other end at 45° angle.	0.016kg
2317	Laboratory Chattaway Spatula, stainless steel 304 spec 18/8 non-magnetic, bright finish. Length = 230mm. Blade width = 10mm. Centre barrel diameter 3.65mm - 'medium' One end flat, other end at 45° angle.	0.024kg
2318	Laboratory Chattaway Spatula, stainless steel 304 spec 18/8 non-magnetic, bright finish. Length = 350mm. Blade width = 10mm. Centre barrel diameter 3.65mm - 'medium' One end flat, other end at 45° angle.	0.028kg

# SPATULAS STAINLESS STEEL CHATTAWAY - MICRO



Multipurpose spatula made of stainless steel for a wide range of uses.

- Excellent chemical resistance
- Excellent thermal resistance
- Quick and easy to clean

## Product Codes

CODE	MODEL	DESCRIPTION
GK-630	630	Variable Area Flowmeters
GK-630V	630V	Variable Area Flowmeter with valve
GK-1000	1000	Variable Area Flowmeters
GK-1000V	1000V	Variable Area Flowmeter with valve

# SPATULAS STAINLESS STEEL SPOON ONE END



Multipurpose spoon for a wide range of uses.

- Excellent chemical resistance
- Excellent thermal resistance
- Quick and easy to clean

## Product Codes

CODE	DESCRIPTION	WEIGHT
2010	Laboratory Spoon One End Spatula, stainless steel 304 spec 18/8 non-magnetic, bright finish.  Length = 120mm long. Spoon measurement 20mm wide. Spoon capacity [liquid] = 2ml. Supplied in standard packs of 10.	0.012
2011	1200 Laboratory Spoon One End Spatula, stainless steel 304 spec 18/8 non-magnetic, bright finish.  Length = 150mm long. Spoon measurement 20mm wide. Spoon capacity (liquid) = 2ml. Supplied in standard packs of 10.	0.015
2013	Laboratory Spoon One End Spatula, stainless steel 304 spec 18/8 non-magnetic, bright finish.  Length = 210mm long. Spoon measurement 20mm wide. Spoon capacity (liquid) = 2ml. Supplied in standard packs of 10	0.025

# TROUGH SPATULA

For laboratory metalware consumables we use the finest in corrosion-resistant 304 stainless steel. Laboratory cleanliness and stainless steel are closely related and, in many applications, each is dependent upon the other and it's the stainless steel providing the degree of corrosion resistance that is necessary to prevent product contamination.



## Product Codes

CODE	DESCRIPTION	DIMENSIONS
8202	Trough spatula, trough bladed end measuring 8mm wide x 50mm long x 1.5mm deep. Manufactured from 304 spec stainless steel. Available in standard packs of 5.	External: 150mm

# TRULLA SPATULA

For laboratory metalware consumables we use the finest in corrosion-resistant 304 stainless steel. Laboratory cleanliness and stainless steel are closely related and, in many applications, each is dependent upon the other and it's the stainless steel providing the degree of corrosion resistance that is necessary to prevent product contamination.



## Product Codes

CODE	DESCRIPTION	DIMENSIONS	WEIGHT
9370	Laboratory Trulla Spatula, stainless steel 304 spec 18/8 non-magnetic, bright finish. Supplied in standard packs of 5.	Flow alarm, Stainless Steel	0.028





# INDEX

## A

Autoclaves	
Benchtop	Page 46
Top loading	Page 46

## B

Balance Enclosure	
PowderSafe Type A	Page 20
Biological safety cabinets	Page 18
Blotter	
Semi dry	Page 8
Bosshhead	Page 58
Bowl	Page 69
Bunsen Burner	Page 66

## C

Centrifuge	Page 39
Centrifugal Stirrer	Page 74
Colony Counter	
aCOLade 2	Page 4
Combs	
Electrophoresis	Page 5
Crucible	Page 70
Crucible tongs	Page 78
Cytotoxic Safety cabinet	Page 22

## D

Dead Air Box	Page 18
Drying Cabinets	
Energy efficient	Page 42

## E

Electrophoresis gel tank	
Horizontal	Page 5
Vertical	Page 7

## F

Flow Alarm	Page 55
Flow meters	Page 54
Fume Hood	
Exhaust	Page 18
Furnaces	
Muffle	Page 44

## I

Imaging System	
Digigenius	Page 4
Incubators	
Air jacketed CO2	Page 30
Multipurpose	Page 28
Water Jacketed CO2	Page 30
Instruments tray	Page 68

## L

Lab chillers	
K1 and K3 chiller range	Page 14
KT chiller range	Page 15
Mini chiller`	Page 15
R series	Page 17

W series	Page 17
Laminar Flow Clean bench	
Horizontal	Page 18
Vertical	Page 19
Microscope enclosure	Page 20
<b>O</b>	
Ovens	
Dual purpose	Page 32
Multipurpose	Page 34
Vacuum	Page 32
<b>P</b>	
Paddle stirrer	Page 74
PCR workstation	Page 18
pH meters	
Benchtop	Page 48
Portable	Page 49
Combined pH and conductivity	Page 48
Power supply	Page 9
Propeller Stirrer	Page 75
<b>R</b>	
Retort bases	Page 56
Retort clamp	Page 61
Retort rings	Page 64
Rods	
With winding	Page 56
Without winding	Page 57
<b>S</b>	
Safety gas tube	Page 66
Shaker	
Basic	Page 25
Incubator	Page 29
Mini	Page 26
Standard	Page 24
Stablising ring	Page 64
Stand	
H-shaped	Page 65
Stirrers	
Overhead	Page 24
Spatulas	Page 82
<b>T</b>	
Temperature PID control	Page 35
Test tube stand	Page 73
Thermal Cyclor	Page 11
Tray	Page 68
Tripod	Page 65
Tubing clamp	Page 66
Turbine radical stirrer	Page 77
<b>V</b>	
Viscosity Stirrer	Page 77
Vacuum pumps	Page 36
<b>W</b>	
Warming cabinets	Page 42
Water baths	
Unstirred	Page 38



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