



Pricelist Laboratory Equipment 2023



Ingenious Portfolio

Our rich history and extensive industry knowledge have resulted in a comprehensive line of high performance laboratory equipment that continually meet our customers' needs at economical and cost-effective prices.

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Ingeniously Practical

English €

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Discover our ingenious portfolio

1 Thermal Shakers

OHAUS Thermal Shakers are designed for heating and cooling applications that require consistent and precise high-speed shaking with dependable temperature control from 17°C below ambient to 100°C. Temperature can be user-calibrated when precision is required. Intuitive touchscreen allows the user to view all steps of the program while monitoring the progress.

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2 Guardian™ 3000

OHAUS Guardian™ 3000 Hotplate Stirrers are designed for economical heating and stirring in all laboratory settings. The bright LCD display includes easy-to-read temperature and speed settings, intuitive icons and a prominent hot top indicator that lights up when the heater is above 40°C. All models can be used with the optional temperature probe for precise temperature control of the sample.

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3 Achiever™ 5000

OHAUS Achiever™ 5000 Overhead Stirrers are designed for powerful, precise stirring, safety and simplicity in all applications. The sealed design has an IP54 rating and ensures safe mixing performance even in the most demanding applications. The keyless chuck and software-controlled speed ramping provide easy setup and safe stirring to protect the sample and user. Select from five models with up to 200 Ncm torque and up to 100 L volume capacity.

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4 Frontier™ FC5916R

The FC5916R is smart, intuitive, and endlessly capable. Compatible with 14 optional rotors and 75 accessories, it can be customized to implement seamlessly with your lab workflow, and enhance efficiency through innovative, intelligent design.

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What is in a Model Number?

Open Air Shakers



SHHD1619DG = Heavy Duty Open Air Shaker with 16 kg capacity, 19 mm orbit and digital controls					
SH	LD	MP	03	DG	
Type	Family	Capacity	Orbit*	Front Panel Control	Tiers**
SH = Open Air Shakers	LD = Light Duty*** EX = Extreme Environment HD = Heavy Duty**** RK = Rocking WV = Waving RC = Reciprocating HS = High Speed	02 = 2 kg 04 = 4 kg 07 = 7 kg 16 = 16 kg 23 = 23 kg 45 = 45 kg 68 = 68 kg MP = Microplates	Orbit (mm): 03 = 3 mm 15 = 15 mm 19 = 19 mm 25 = 25 mm 50 = 50 mm	AL = Analog DG = Digital	1 = 1 2 = 2
*Not applicable to RK and WV families		***LD models can handle samples up to 3,6 kg or 4 microplates or 2 micro-tube racks			
Analog Rockers Only		**HD models can handle heavier samples and are available from 16 up to 68 kg			

Incubating & Incubating Cooling Shakers



ISTHBLHTS = Incubating Cooling Thermal Shaker with block, heats only and touch screen controls					
IS	LD	04	H	DG	
Type	Family	Capacity	Temperature Control	Front Panel Control	Opaque Lid Only
IS = Incubating Shakers	IC = Incubating/Cooling TH = Thermal Shakers HD = Heavy Duty** LD = Light Duty* RK = Rocking WV = Waving	02 = 2 kg 04 = 4 kg 16 = 16 kg 23 = 23 kg BL = Thermal Shaker Blocks MP = Microplate or Modular Blocks MP = Microplates	C = Heats & Cools H = Heat Only	DG = Digital TS = Touch Screen	L = Light Sensitive Samples
			*LD models can handle samples up to 3,6 kg or 4 microplates or 2 micro-tube racks **HD models can handle heavier samples and are available from 16 kg up to 23 kg		

Vortex Mixers



VXMNAL = Mini Vortex Mixer with analog control			
VX	MN	AL	*Mini models have an intermittent duty rating for short term mixing and are limited to speeds below ~900 rpm when used with optional accessories **HD models have a continuous duty rating for mixing samples when used with optional accessories throughout the entire speed range for extended periods of time
Type	Family	Front Panel Control	
VX = Vortex Mixer	MN = Mini* HD = Heavy Duty** MP = Microplate MT = Multitube	AL = Analog DG = Digital FS = Fixed Speed PS = Pulsing	

Dry Block Heaters



HB1AL = 1 Block Heater with analog controls			
HB	1	AL	
Type	Family	Front Panel Control	Units with Lids Only
HB = Heatblocks	1 = 1 Block Well 2 = 2 Block Well 4 = 4 Block Well 6 = 6 Block Well	AL = Analog DG = Digital	HL = Heated Lid version LD = Lid (non-heated)

Hotplates & Stirrers



G51HS07C = Guardian 5000 Hotplate stirrer 17,8 x 17,8 cm Ceramic plate				
G5	1	HS	07	C
Family	Generation	Function	Top Plate Size	Top Plate Material
G2 = Guardian 2000 G3 = Guardian 3000 G5 = Guardian 5000 G7 = Guardian 7000	1=first	HP = Hotplate HS = Hotplate Stirrer ST = Stirrer	4 = 10,2 x 10,2 cm / 4 x 4 inch 7 = 17,8 x 17,8 cm / 7 x 7 inch 10 = 25,4 x 25,4 cm / 10 x 10 inch RD = Round 13,5 cm	C = Ceramic M = Metal S = Ceramic Coated Stainless Steel R = Resin

Overhead Stirrers



A51ST020 = Achiever 5000 Stirrer Max Torque 020 Ncm			
A5	1	ST	020
Family	Generation	Function	Max Torque Ncm =
A5 = Achiever 5000	1=first	ST = Stirrer	020 040 060 100 200

LIGHT DUTY ORBITAL SHAKERS

Choose the Perfect Light Duty Orbital Shaker You Can Trust for Reliable Everyday Shaking

Application

ELISA Assays, Cell Cultures, Immunoassays, Protein Studies, Bacterial and Yeast Cultures, Staining/Destaining, Blotting Techniques, DNA Studies

Display

Easy-to-read, independent LED displays for speed/time allow the operator to view all settings simultaneously (digital models) and basic control knobs with dial markings for speed/time (analog models)

Operation

Detachable 3-wire cord and plug (included)

Construction

Cast aluminium

Design Features

Non-slip mat (29,9 × 22,2 cm) included with all models except the Microplate Shaker

SHLDMP03DG



Designed for flexibility with your applications – OHAUS Light Duty Shakers include the ready-to-use tray and mat, or remove the mat and customize the tray with over 20 easy-to-install accessories.

Well-performing economical choice for your everyday laboratory shaking needs. Non-digital model offers reliable shaking across the entire speed range with the robust triple eccentric drive design.

Microplate shaker is designed to securely hold up to four microplates or deepwell plates, or easily install two microtube racks. Units slowly increase speed to desired setpoint to avoid splashing.

Model	Description	Item N°	Price €
SHLD0415AL	Analog Light Duty Orbital Shaker	30391893	985,00
Specifications			
Speed Range	40 to 300 rpm		
Orbit	15 mm		
Maximum Weight Capacity	3,6 kg		
Tray Material	Aluminium		
Tray Dimensions (L × W)	29,9 × 22,2 cm		
Overall Dimensions (L × W × H)	41,3 × 25,4 × 10,2 cm		
Ship Weight	11,3 kg		
Model	Description	Item N°	Price €
SHLDMP03DG	Light Duty Microplate Shaker	30391907	1085,00
Specifications			
Speed Range	100 to 1200 rpm		
Speed Accuracy	± 2%		
Timer	1 second to 160 hours		
Orbit	3 mm		
Maximum Weight Capacity	4 microplates or 2 micro-tube racks		
Tray Material	Aluminium		
Tray Dimensions (L × W)	27,9 × 19,7 cm		
Overall Dimensions (L × W × H)	41,3 × 25,4 × 10,2 cm		
Ship Weight	11,3 kg		

Model	Description	Item N°	Price €
SHLD0403DG	Digital Light Duty Orbital Shaker 3 mm Orbit	30391900	1145,00
SHLD0415DG	Digital Light Duty Orbital Shaker 15 mm Orbit	30391914	1255,00

Specifications

Speed Range	100 to 1200 rpm
SHLD0403DG	40 to 300 rpm
SHLD0415DG	+/-2% above 100 rpm
Speed Accuracy	+/-2 rpm below 100 rpm
Timer	1 second to 160 hours
Orbit	
SHLD0403DG	3 mm
SHLD0415DG	15 mm
Maximum Weight Capacity	3,6 kg
Tray Material	Aluminium
Tray Dimensions (L x W)	29,9 x 22,2 cm
Overall Dimensions (L x W x H)	41,3 x 25,4 x 10,2 cm
Ship Weight	11,3 kg

HEAVY DUTY ORBITAL SHAKERS

Eight Orbital Shakers Offering a Variety of Capacities and Flexibility to Maximize Sample Processing

Application

Cell Cultures, Solubility Studies, Extractions, Bacteria & Yeast Cultures and Suspensions, Staining/ Destaining, Immunoassays, Protein Studies, Blotting Techniques

Display

Independent LED displays for speed/time allow the operator to view both settings simultaneously and control knobs with dial markings (analog models)

Operation

Detachable 3-wire cord and plug (included)

Communication

RS232 interface provides two-way communication for data logging and unit control (digital models)

Construction

Cold rolled steel (CRS)

Design Features

Built-in tray (28 x 33 cm) with a non-slip rubber mat (included)



SHHD6825DG



Ready for your lab - all models include a tray and rubber mat and can be customized with over 70 accessory options.

Rely on the digital shakers' exclusive Accu-Drive shaking system for exceptional speed control, accuracy and durability. All models feature a maintenance-free motor for long-term use.

Protect your samples. Optimal speed ramping feature slowly increases speed to setpoint to avoid splashing. The load sensor detects unbalanced conditions and automatically reduces to a safe speed.

Model	Description	Item N°	Price €
SHHD1619AL	16 kg Capacity Analog Heavy Duty Orbital Shaker	30391802	1825,00

Specifications

Speed Range	25 to 500 rpm
Timer	1 minute to 120 minutes
Orbit	19 mm
Maximum Weight Capacity	16 kg
Tray Material	Aluminium
Tray Dimensions (L x W)	27,9 x 33 cm
Overall Dimensions (L x W x H)	41,3 x 35,5 x 14,9 cm
Ship Weight	22,2 kg

Model	Description	Item N°	Price €
SHHD1619DG	16 kg Capacity Digital Heavy Duty Orbital Shaker	30391811	2335,00

Specifications

Speed Range	15 to 500 rpm
Speed Accuracy	above 100 rpm \pm 1% of set speed below 100 rpm \pm 1 rpm
Timer	1 second to 160 hours
Orbit	19 mm orbit
Maximum Weight Capacity	16 kg
Tray Material	Aluminium
Tray Dimensions (L x W)	27,9 x 33 cm
Overall Dimensions (L x W x H)	41,3 x 35,5 x 14,9 cm
Ship Weight	22,2 kg

Model	Description	Item N°	Price €
SHHD2325AL	23 kg Capacity Analog Heavy Duty Orbital Shaker	30391837	3250,00
Specifications			
Speed Range	25 to 500 rpm		
Timer	1 minute to 120 minutes		
Orbit	25 mm		
Maximum Weight Capacity	22,7 kg		
Tray Material	Aluminium		
Tray Dimensions (L x W)	45,7 x 61 cm		
Overall Dimensions (L x W x H)	61,0 x 67,8 x 14,9 cm		
Ship Weight	49,5 kg		
Model	Description	Item N°	Price €
SHHD2325DG	23 kg Capacity Digital Heavy Duty Orbital Shaker	30391844	3745,00
Specifications			
Speed Range	20 to 500 rpm		
Speed Accuracy	above 100 rpm \pm 1% of set speed below 100 rpm \pm 1 rpm		
Timer	1 second to 160 hours		
Orbit	25 mm		
Maximum Weight Capacity	22,7 kg		
Tray Material	Aluminium		
Tray Dimensions (L x W)	45,7 x 61 cm		
Overall Dimensions (L x W x H)	61,0 x 67,8 x 14,9 cm		
Ship Weight	49,5 kg		
Model	Description	Item N°	Price €
SHHD4525DG	45 kg Capacity Digital Heavy Duty Orbital Shaker 25 mm Orbit	30391865	5070,00
SHHD4550DG	45 kg Capacity Digital Heavy Duty Orbital Shaker 51 mm Orbit	30391872	5070,00
Specifications			
Speed Range	15 to 500 rpm		
SHHD4525DG	15 to 300 rpm		
SHHD4550DG	15 to 300 rpm		
Speed Accuracy	above 100 rpm \pm 1% of set speed below 100 rpm \pm 1 rpm		
Timer	1 second to 160 hours		
Orbit	25 mm		
SHHD4525DG	51 mm		
SHHD4550DG	51 mm		
Maximum Weight Capacity	45,4 kg		
Tray Material	Aluminium		
Tray Dimensions (L x W)	61 x 61 cm		
Overall Dimensions (L x W x H)	72,9 x 67,8 x 17,0 cm		
Ship Weight	90,8 kg		
Model	Description	Item N°	Price €
SHHD6825DG	68 kg Capacity Digital Heavy Duty Orbital Shaker 25 mm Orbit	30391879	6080,00
SHHD6850DG	68 kg Capacity Digital Heavy Duty Orbital Shaker 51 mm Orbit	30391886	6375,00
Specifications			
Speed Range	15 to 500 rpm		
SHHD6825DG	15 to 300 rpm		
SHHD6850DG	15 to 300 rpm		
Speed Accuracy	above 100 rpm \pm 1% of set speed below 100 rpm \pm 1 rpm		
Timer	1 second to 160 hours		
Orbit	25 mm		
SHHD6825DG	51 mm		
SHHD6850DG	51 mm		
Maximum Weight Capacity	68 kg		
Tray Material	Aluminium		
Tray Dimensions (L x W)	61 x 91 cm		
Overall Dimensions (L x W x H)	74,4 x 91,4 x 17,0 cm		
Ship Weight	104,4 kg		

EXTREME ENVIRONMENT SHAKERS

High Performance Orbital Shaker Designed to Withstand Extreme Environments Up To 100% Humidity

Application

Cell Cultures, Solubility Studies, Extraction Procedures, Bacteria & Yeast Cultures and Suspensions, Staining/Destaining, Immunoassays, Protein Studies, Blotting Techniques

Display

Independent LED displays for speed/time allow the operator to view both settings simultaneously

Operation

Detachable 3-wire cord and plug (included)

Communication

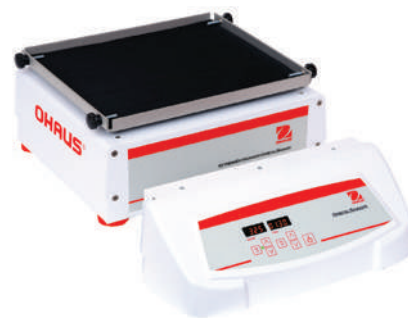
RS232 interface provides two-way communication for data logging and unit control (digital models)

Construction

Cold rolled steel (CRS) and stainless steel, external control module, thin ribbon cable (1,7 m) easily passes underneath an incubator door or via incubator's utility port

Design Features

Built-in tray (28x33 cm) with a non-slip rubber mat (included)



Defy the elements - rely on this orbital shaker's unique construction to deliver exceptional speed control, accuracy and durability under the most extreme environmental conditions.

Best in class load capacity to maximize efficiency in your incubator. Customize the Extreme Environment Shaker for your unique application with over 50 accessories.

For repeatable results, the exclusive Accu-Drive shaking system ensures speed accuracy. The triple eccentric drive provides smooth, stable shaking motion throughout the entire speed range.

Model	Description	Item N°	Price €
SHEX1619DG	Extreme Environment Shaker	30391816	4075,00
Specifications			
Speed Range		15 to 500 rpm	
Speed Accuracy		above 100 rpm \pm 1% of set speed	
Timer		1 second to 160 hours	
Orbit		19 mm	
Maximum Weight Capacity		16 kg	
Tray Material		Aluminium	
Tray Dimensions (L x W)		3 27,9 x 33 cm	
Overall Dimensions (L x W x H)	Shaker	29,4 x 35,5 x 14,9 cm	
	Remote	15,0 x 35,6 x 11,2 cm	
Ship Weight		22,2 kg	

RECIPROCATING SHAKER

Providing Consistent, Repeatable Reciprocating Shaking Action for a Variety of Applications

Application

Chemical Extractions, Blood Sample Mixing, Gel Staining, Cell Cultures, Solubility Studies

Display

Independent LED displays for speed/time allow the operator to view both settings simultaneously

Operation

Detachable 3-wire cord and plug (included)

Communication

RS232 interface provides two-way communication for data logging and unit control (digital models)

Construction

Cold rolled steel (CRS)

Design Features

Built-in tray (28x33 cm) with a non-slip rubber mat (included)



A flexible unit for the lab - our multi-purpose Reciprocating Shakers can be customized to fit your unique workflow needs using a wide variety of accessories.

Reciprocating motion is ideal for gentle-to-vigorous mixing of separatory funnels with the sturdy separatory funnel platform. Other optional platforms for flask clamps, media bottles and tube racks.

Designed for safety - speed ramping feature slowly increases speed to avoid splashing. Load sensor detects unbalanced conditions and automatically reduces to a safe speed to protect samples.

Model	Description	Item N°	Price €
SHRC0719DG	Digital Reciprocating Shaker	30391830	2340,00
Specifications			
Speed Range	20 to 300 rpm		
Speed Accuracy	above 100 rpm $\pm 1\%$ of set speed below 100 rpm ± 1 rpm		
Timer	1 second to 160 hours		
Stroke	19 mm		
Maximum Weight Capacity	6,8 kg		
Tray Material	Aluminium		
Tray Dimensions (L x W)	27,9 x 33 cm		
Overall Dimensions (L x W x H)	41,3 x 35,5 x 14,6 cm		
Ship Weight	22,2 kg		

ROCKING-WAVING SHAKERS

Reliable Rocking and Waving Shakers with Simple Adjustments for Tilt Angle and Speed

Application

Mixing Blood Samples, DNA Extractions, Blotting Techniques, Staining and Destaining Gels, Hybridizations

Display

Easy-to-read, independent LED displays for speed, tilt angle and time allow the operator to view all settings simultaneously (digital models) and basic control knobs with dial markings for speed, tilt angle and time (analog models)

Operation

Detachable 3-wire cord and plug (included)

Construction

Cast aluminium housing, non-slip rubber mat (included), stacking tray option (with all models except the analog Waver model)

Design Features

Spill-resistant design, overload protection with audio/visual alarm on digital models and audible alarm on analog models



Electronic control allows simple tilt angle and speed adjustments while the unit is still running to achieve optimal mixing

Achieve reproducible results you can trust with digital models. Precisely adjust the tilt angle in 1° increments with variable speed down to 1 rpm with intuitive touchpad controls.

Optimal speed ramping feature slowly increases speed to desired setpoint to avoid splashing. Smooth rocking or waving motion is maintained with state-of-the-art motor and electronics.

Model	Description	Item N°	Price €
SHRK07AL1	Analog Rocking Shaker 1 Tier	30391954	965,00
SHRK07AL2	Analog Rocking Shaker 2 Tier	30391961	1045,00

Specifications

Speed Range		1 to 75 rpm*
Tilt Angle		0 to 15°*
Timer		1 minute to 120 minutes
Maximum Weight Capacity		7,3 kg**
Tray Material		Aluminium
Tray Dimensions (L x W)		35,6 x 27,9 cm
Overall Dimensions (L x W x H)	1 Tier	42,5 x 27,9 x 14,0 cm
	2 Tier	42,5 x 27,9 x 24,1 cm
Ship Weight		7 kg

Model	Description	Item N°	Price €
SHHW02AL	Analog Waving Shaker	30391968	1095,00

Specifications

Speed Range		1 to 75 rpm*
Tilt Angle		0 to 16°*
Timer		1 minute to 120 minutes
Maximum Weight Capacity		2,3 kg**
Tray Material		Aluminium
Tray Dimensions (L x W)		35,6 x 27,9 cm
Overall Dimensions (L x W x H)		42,5 x 27,9 x 16,5 cm
Ship Weight		7 kg

Model	Description	Item N°	Price €
SHRK04DG	Digital Rocking Shaker 1 Tier	30391989	1145,00

Specifications

Speed Range	1 to 50 rpm*
Speed Accuracy	± 1 rpm
Tilt Angle	0 to 15°*
Timer	1 second to 160 hours
Maximum Weight Capacity	4,5 kg**
Tray Material	Aluminium
Tray Dimensions (L × W)	32,4 × 25,4 cm
Overall Dimensions (L × W × H)	42,5 × 25,4 × 14,0 cm
Ship Weight	7 kg

Model	Description	Item N°	Price €
SHWV02DG	Digital Waving Shaker	30391949	1285,00

Specifications

Speed Range	1 to 30 rpm*
Speed Accuracy	± 1 rpm
Tilt Angle	0 to 20°*
Timer	1 second to 160 hours
Maximum Weight Capacity	2,3 kg**
Tray Material	Aluminium
Tray Dimensions (L × W)	29,9 × 22,2 cm
Overall Dimensions (L × W × H)	41,3 × 25,4 × 16,5 cm
Ship Weight	7,3 kg

* Maximum speed/tilt angle may vary with heavy or unbalanced loads.

** Centered on tray.

HIGH SPEED MICROPLATE SHAKER

High Speed Shaking for up to 48 Microplates

Application

Cell Lysing, Emulsifications, Mixing Microplates

Display

Independent LED displays for speed and time

Construction

Die Cast Aluminum

Communication

RS-232

Design Features

Programmable pulse feature with adjustments for pulse ON & pulse OFF between 1 & 59 seconds. Program timer to count down from set time and turn off when timer reaches zero or run in continuous mode and timer will count accumulated time until user turns it off.



Sturdy, adjustable top plate secures up to 48 microplates, 6 deep well plates or small tubes less than 12.7 cm tall up to 3.2 kg.

For difficult to mix samples or to prevent overheating samples while shaking, the Pulse Feature can be adjusted to Pulse ON and Pulse OFF between 1 and 59 second intervals.

Independent LEDs and Touchpad Control for Speed and Time allow you to accurately reproduce the exact settings every time

Model	Description	Item N°	Price €
SHHSMPDG	High Speed Microplate Shaker	30573785	7050,00
Specifications			
Motion	Orbital, 3,6 mm		
Speed Range	600 rpm to 2500 rpm		
Timer	1 second to 160 hours		
Control	Digital		
Communication	RS-232 Interface		
Capacity	48 microplates		
Dimensions (H x L x W)	32,5 x 39,4 x 30,5 cm		
Tray Dimensions (L x W)	31,1 x 27,9 cm		
Net Weight	21,8 kg		

INCUBATING COOLING THERMAL SHAKERS

Industry Leading Thermal Shaker with Exceptional Heating/Cooling Performance with High Speed Shaking

Application

DNA, RNA, Cell Cultures, Hybridizations, Protein Studies

Display

10,9 cm colour touchscreen Liquid Crystal Display (LCD) which can be programmed in six languages

Operation

Detachable 3-wire cord and plug (included), unit requires a block (ISTHBLHTS and ISTHBLCTS units are supplied with block for 24 x 1.5 mL tubes, removable rack and cover) - compatible with Eppendorf Thermomixer® R blocks

Communication

USB port provides greater flexibility in data collection and transfer

Construction

Valox cool touch housing, removable plastic rack, cover and screwdriver for block removal (included)

Design Features

Hot top indicator, audible alarm, maximum temperature limiting function, temperature priority function, pulse/quick mix mode, temperature calibration mode, temperature ramp rate function



Best in class temperature performance. Enhanced electronics and software allow for fast and accurate temperature control you can trust. Cooling models reach temperatures down to 17°C below ambient.

Intuitive touchscreen for simple operation and programming. Set the functions and the comprehensive help screens in one of six languages to guide the user through the operation of the unit.

Easily create programs for repeat applications. Storage for five separate, 5-step programs. The USB port allows the transfer of test data to a flash drive for data logging and program storage.

Model	Description	Item N°	Price €
ISTHBLHTS	Thermal Shaker	30392005	2755,00
ISTHBLCTS	Cooling Thermal Shaker	30391998	3425,00
ISTHBLCTSN*	Thermal Shaker Heat/Cool without block	30573842	2965,00
ISTHBLHTSN*	Thermal Shaker Heat without block	30573848	2405,00

*NEW

Specifications

Temperature Range	
Thermal Shaker	4°C above ambient to 100°C
Cooling Thermal Shaker	17°C below ambient to 100°C
Temperature Accuracy	
Thermal Shaker	± 1°C between 20°C and 45°C ± 2°C above 45°C
Cooling Thermal Shaker	± 0,5°C between 20°C and 45°C ± 2°C below 20°C and above 45°C
Speed Range	300 to 3000 rpm
Speed Accuracy	± 2%
Timer	1 minute to 99 hours, 59 minutes
Orbit	3 mm
Cooling Rate	above ambient 2-3°C/min below ambient 0,5-1,0°C/min
Heating Rate	5°C/min
Overall Dimensions (L x W x H)	26 x 24,8 x 13,2 cm
Ship Weight	5,4 kg

ACCESSORIES FOR INCUBATING COOLING THERMAL SHAKERS MODULAR BLOCKS

Microplate Block

Sample Type	Well Size	Well Depth	Dimensions (L x W x H)	Item N°	Price €
Microplate Thermal Block with Lid	12,8 x 8,6 x 0,25 cm	2,30 cm	11,9 x 16,3 x 7,6 cm	30400126	825,00
Sample Type	Well Diameter	Well Depth	Dimensions (L x W x H)	Item N°	Price €
384 Well Plate Thermal Block with Lid	0,40 cm	0,81 cm	11,9 x 16,3 x 7,6 cm	30400127	770,00
0,2 ml PCR Plate Thermal Block with Lid	0,64 cm	1,27 cm	11,9 x 16,3 x 7,6 cm	30400128	770,00

Tube Blocks

Sample Type	N° of Wells	Well Diameter	Well Depth	Dimensions (L x W x H)	Item N°	Price €
0,5 ml Microtubes*	30	0,79 cm	2,46 cm	10,2 x 14,2 x 4,6 cm	30400129	630,00
1,5 ml Microtubes*	24	1,11 cm	3,53 cm	10,2 x 14,2 x 5,3 cm	30400130	630,00
2,0 ml Microtubes*	24	1,15 cm	3,53 cm	10,2 x 14,2 x 5,3 cm	30400131	630,00
5-7 ml Tubes	24	1,20 cm	3,61 cm	10,2 x 14,2 x 5,6 cm	30400132	630,00

* Supplied with clear rack and cover

Racks and Covers

Description	Item N°	Price €
Rack For 30 X 0,5 ml Tube Block	30400250	37,60
Rack For 24X1,5 / 24X2,0 ml Tube Blocks	30400251	37,60
Cover For 0,5ml/1,5ml/2,0ml Tube Blocks	30400252	26,40

Cryo Tube Block

Sample Type	N° of Wells	Well Diameter	Well Depth	Dimensions (L x W x H)	Item N°	Price €
2,0 ml Cryo Tubes	24	1,26 cm	3,6 cm	10,2 x 14,2 x 5,6 cm	30400133	630,00

Conical Tube Blocks

Sample Type	N° of Wells	Well Diameter	Well Depth	Dimensions (L x W x H)	Item N°	Price €
5 ml Eppendorf Tube Block	9	1,68 cm	4,9 cm	10,4 x 14,5 x 7,1 cm	30400134	590,00
15 ml Conical Tubes	9	1,73 cm	10,44 cm	10,7 x 14,7 x 12,7 cm	30400135	630,00
50 ml Conical Tubes	4	3,0 cm	10,09 cm	10,2 x 14,5 x 12,2 cm	30400136	630,00



30400126



30400127



30400128



30400129



30400130



30400131



30400132



30400250



30400133



30400134



30400135



30400136

INCUBATING LIGHT DUTY ORBITAL SHAKERS

Save Bench Space with Combined Incubating and Shaking Features

Application

Immunoassays, Hybridizations, Cell Cultures, Bacterial & Yeast Cultures and Suspensions, ELISA Assays, PCR, Enzyme Reactions

Display

Easy-to-read, independent LED displays for temperature, speed and time allow the operator to view all settings simultaneously

Operation

Detachable 3-wire cord and plug (included)

Construction

Cast aluminium housing with polycarbonate lid, brushless DC motor

Design Features

Spill-resistant design, overload protection, caution hot indicator



Designed to provide flexibility in your applications, these shakers with a 4 kg capacity include the ready to use tray to customize with over 10 easy-to-install accessories.

When precision is required achieve temperature accuracy with the user-controlled temperature calibration feature for sensitive applications. Digital control for reliable and repeatable shaking speed.

When precision is required achieve temperature accuracy with the user-controlled temperature calibration feature for sensitive applications. Digital control for reliable and repeatable shaking speed.

Model	Description	Item N°	Price €
ISLD04HDG	Incubating Light Duty Orbital Shaker	30391919	2590,00
Specifications			
Temperature Range	Ambient +5°C to 65°C		
Temperature Uniformity	± 0,5°C at 37°C		
Speed Range	100 to 1200 rpm		
Speed Accuracy	± 2% of set speed		
Timer	1 second to 160 hours		
Orbit	3 mm		
Maximum Weight Capacity	3,6 kg		
Tray Material	Aluminium		
Tray Dimensions (L x W)	27,9 x 19,7 cm		
Interior Dimensions (L x W x H)	28,7 x 21,1 x 14,5 cm		
Overall Dimensions (L x W x H)	43,2 x 27,9 x 27 cm		
Ship Weight	13,6 kg		

Model	Description	Item N°	Price €
ISLDMPHDG	Incubating Microplate Shaker	30391933	2280,00
ISLDMPHDGL	Incubating Microplate Shaker with Opaque Lid	30391926	2280,00
Specifications			
Temperature Range	Ambient +5°C to 65°C		
Temperature Uniformity	± 0,5°C at 37°C		
Speed Range	100 to 1200 rpm		
Speed Accuracy	± 2%		
Timer	1 second to 160 hours		
Orbit	3 mm		
Maximum Weight Capacity	4 microplates or 2 micro-tube racks		
Tray Material	Aluminium		
Tray Dimensions (L × W)	27,9 × 19,7 cm		
Overall Dimensions (L × W × H)	43,2 × 27,9 × 19,7 cm		
Ship Weight	13,6 kg		

INCUBATING & INCUBATING COOLING SHAKERS

Save Incubator Space with Benchtop Incubating and Incubating Refrigerating Shakers

Application

Cell Cultures, Solubility Studies, Bacterial Suspensions, Extraction Procedures

Display

Independent LED displays for temperature, speed and time

Communication

RS-232 Interface

Construction

Aluminum and Cylcoloy

Design Features

Temperature calibration feature, overload protection, overshoot protection (temperature), load sensor, PID temperature controller, Triple Eccentric Drive system



ISHD23CDG



The exclusive Opti-Flow Forced Ventilation System utilizes twin induction or a single large fan. Air is deflected around & not directly on samples, creating a circular flow of air ensuring uniformity.

For repeatable results, the exclusive Accu-Drive shaking system ensures speed accuracy. The Triple Eccentric Drive provides consistent shaking motion throughout the entire speed range.

The chambers for the ISHD23HDG and ISHD23CDG units are large enough to hold 2 x 6 L Erlenmeyer flasks with optional clamps and platform.

Model	Description	Item N°	Price €
ISHD16HDG	Incubating Heavy Duty Orbital Shaker 16kg	30573770	5555,00
Specifications			
Motion	Orbital, 19 mm		
Speed Range	15 rpm to 500 rpm		
Speed Accuracy	Above 100 rpm +/-1% / Under 100 rpm +/- 1 rpm		
Temperature Range	Ambient +5 °C to 65 °C		
Temperature Uniformity	+/- 0,5 °C at 37 °C		
Calibration	Temperature Calibration		
Timer	1 second to 160 hours		
Control	Digital		
Communication	RS-232 Interface		
Max Weight Capacity	16 kg @ 75 rpm, 2,3 kg @ 500 rpm		
Drive System	Triple Eccentric; Brushless DC motor		
Dimensions (H x L x W)	40,6 x 64,8 x 35,6 cm		
Interior Dimensions (H x L x W)	24,1 x 34 x 30,5 cm		
Tray Dimensions (L x W)	33 x 27,9 cm		
Net Weight	35,9 kg		

Model	Description	Item N°	Price €
ISHD23HDG	Incubating Heavy Duty Orbital Shaker 23kg	30573775	9090,00

Specifications

Motion	Orbital, 25 mm
Speed Range	15 rpm to 500 rpm
Speed Accuracy	Above 100 rpm +/-1% / Under 100 rpm +/- 1 rpm
Temperature Range	Ambient +5 °C to 65 °C
Temperature Uniformity	+/- 0,5 °C at 37 °C
Calibration	Temperature Calibration
Timer	1 second to 160 hours
Control	Digital
Communication	RS-232 Interface
Max Weight Capacity	22,7 kg @ 125 rpm, 4,53 kg @ 500 rpm
Drive System	Triple Eccentric; Brushless DC motor
Dimensions (H x L x W)	59,6 x 81,5 x 67,5 cm
Interior Dimensions (H x L x W)	43,2 x 52,3 x 62,9 cm
Tray Dimensions (L x W)	45,6 x 45,7 cm
Net Weight	101,6 kg

Model	Description	Item N°	Price €
ISHD23CDG	Incubating/Refrigerating Heavy Duty Orbital Shaker 23kg	30573780	14570,00

Specifications

Motion	Orbital, 25 mm
Speed Range	15 rpm to 500 rpm
Speed Accuracy	Above 100 rpm +/-1% / Under 100 rpm +/- 1 rpm
Temperature Range	15 °C below ambient to 65 °C
Temperature Uniformity	+/- 0,5 °C at 37 °C
Calibration	Temperature Calibration
Timer	1 second to 160 hours
Control	Digital
Communication	RS-232 Interface
Max Weight Capacity	22,7 kg @ 125 rpm, 4,53 kg @ 500 rpm
Drive System	Triple Eccentric; Brushless DC motor
Dimensions (H x L x W)	59,6 x 104,4 x 67,5 cm
Interior Dimensions (H x L x W)	43,2 x 52,3 x 62,9 cm
Tray Dimensions (L x W)	45,6 x 45,7 cm
Net Weight	131,7 kg

INCUBATING COOLING ORBITAL SHAKERS

Innovatively Designed Incubating Orbital Shaker to Heat, Cool and Shake Samples

Application

Immunoassays, Hybridizations, Cell Cultures, Bacterial & Yeast Cultures and Suspensions, ELISA Assays, PCR, Enzyme Reactions

Display

Easy-to-read, independent LED displays for temperature, speed and time allow the operator to view all settings simultaneously

Operation

Detachable 3-wire cord and plug (included)

Construction

Cast aluminium housing with polycarbonate lid, brushless DC motor

Design Features

Spill-resistant design, overload protection, caution hot indicator



Designed to provide flexibility in your applications, these shakers are microplate ready - no accessories required, and can easily accommodate modular blocks with the included block adapter.

When precision is required, achieve temperature accuracy with the unique temperature calibration feature for sensitive applications. Digital control for reliable and repeatable shaking speed.

Innovative temperature system allows for fast, accurate and uniform temperatures you can trust. The unique Peltier design with direct plate-to-sample contact offers precise heating and cooling.

Model	Description	Item N°	Price €
ISICMBCDG	Incubating Cooling Light Duty Shaker	30391940	4830,00
Specifications			
Temperature Range	10°C below ambient to 65°C		
Temperature Uniformity	± 0,5°C at 37°C		
Speed Range using Microplates	100 to 1200 rpm		
Speed Range using Modular Blocks	100 to 600 rpm		
Speed Accuracy	± 2%		
Timer	1 second to 160 hours		
Orbit	3 mm		
Maximum Weight Capacity	2 microplates or 2 modular blocks		
Overall Dimensions (L x W x H)	45,5 x 27,9 x 26,7 cm		
Ship Weight	15,4 kg		

ACCESSORIES FOR INCUBATING COOLING ORBITAL SHAKERS MODULAR BLOCKS

Modular Blocks

Modular Blocks are constructed from a solid anodized aluminium block. The close contact of tubes to block walls allow for maximum temperature transfer.

Block dimensions (L x W x H): 9,5 x 7,6 x 5,1 cm

Applications: Cell cultures, hybridizations, and extraction procedures

OHAUS modular blocks also fit in the OHAUS Dry Block Heaters.

Constructed of anodized aluminium, this material is ideal for its temperature conducting and corrosion resistant properties.

Microcentrifuge Tube Blocks

Single block

Sample Type	N° of Wells	Well Diameter	Well Depth	Item N°	Price €
0,5 ml tube	30	7,9 mm	27,6 mm	30400157	129,50
1,5 ml tube	20	11,1 mm	39,1 mm	30400159	129,50
2 ml tube	20	11,5 mm	38,1 mm	30400191	129,50

Conical-Bottom Centrifuge Tube Blocks

Single block

Sample Type	N° of Wells	Well Diameter	Well Depth	Item N°	Price €
15 ml tube	12	17,1 mm	44,5 mm	30400172	129,50
50 ml tube	5	29,0 mm	47,6 mm	30400168	129,50

Standard Test Tube Blocks

Single block

Sample Type	N° of Wells	Well Diameter	Well Depth	Item N°	Price €
6 mm tube	30	8,3 mm	48,4 mm	30400158	129,50
10 mm tube	24	10,7 mm	48,4 mm	30400151	129,50
12/13 mm tube	20	13,9 mm	48,4 mm	30400152	129,50

Combination Blocks

Single block

Innovatively Designed Incubating Orbital Shaker to Heat, Cool and Shake Samples

Sample Type	N° of Wells	Well Diameter	Well Depth	Item N°	Price €
Test Tube Combination					
6 mm	6	8,3 mm	48,4 mm	30400156	129,50
12/13 mm	5	13,8 mm	48,4 mm		
25 mm	3	26,2 mm	48,4 mm		
Centrifuge Tube Combination					
1,5 ml	4	11,1 mm	39,1 mm	30400193	129,50
15 ml	3	17,1 mm	44,5 mm		
50 ml	2	29,0 mm	47,6 mm		
Micro-Tube Combination					
0,5 ml	6	7,9 mm	27,6 mm	30400194	129,50
1,5 ml	10	11,1 mm	39,1 mm		
2 ml	5	11,5 mm	38,1 mm		

Vial Blocks

Single block

Innovatively Designed Incubating Orbital Shaker to Heat, Cool and Shake Samples

Sample Type	N° of Wells	Well Diameter	Well Depth	Item N°	Price €
12 mm vial	20	12,7 mm	30 mm	30400182	129,50
15 mm vial	20	15,8 mm	35 mm	30400183	129,50
16 mm vial	15	16,4 mm	45 mm	30400190	129,50
17 mm vial	12	17,8 mm	45 mm	30400184	129,50
19 mm vial	12	19,7 mm	45 mm	30400185	129,50
21 mm vial	9	21,7 mm	45 mm	30400186	129,50
23 mm vial	8	23,8 mm	45 mm	30400187	129,50
25 mm vial	8	25,8 mm	45 mm	30400188	129,50
28 mm vial	6	28,8 mm	45 mm	30400189	129,50



30400157



30400159



30400191



30400172



30400168



30400158



30400151



30400152



30400156



30400193



30400194



30400182



30400183



30400190



30400184



30400185



30400186



30400187



30400188



30400189

INCUBATING ROCKING & WAVING SHAKERS

Save Incubator Space with Unique Benchtop Incubating Rocking and Waving Shakers

Application

Hybridizations, Cell Cultures, Blotting Techniques, Staining and Destaining Gels

Display

Easy-to-read, independent LED displays for temperature, speed/tilt angle and time allow the operator to view all settings simultaneously

Operation

Detachable 3-wire cord and plug (included)

Construction

Cast aluminium housing with polycarbonate lid

Design Features

Spill-resistant design, overload protection with audio/visual alarm on digital models and audible alarm on analog models, caution hot indicator



Electronic control allows simple tilt angle, speed and temperature adjustments while the unit is still running to achieve optimal mixing.

Achieve reproducible results you can trust. Precisely adjust the tilt angle in 1° increments, vary the speed by 1 rpm and set temperature in 1°C increments with intuitive touchpad controls.

Innovative speed ramping feature slowly increases speed to desired setpoint to avoid splashing. Smooth rocking or waving motion is maintained with unique, state-of-the-art motor and electronics.

Model	Description	Item N°	Price €
ISRK04HDG	Incubating Rocking Shaker	30391975	2970,00
Specifications			
Temperature Range	Ambient +5°C to 65°C		
Temperature Uniformity	± 0,5°C at 37°C		
Speed Range	1 to 50 rpm *		
Speed Accuracy	± 1 rpm		
Tilt Angle	0 to 15° *		
Timer	1 second to 160 hours		
Maximum Weight Capacity	4,5 kg **		
Tray Material	Aluminium		
Tray Dimensions (L x W)	25,4 x 19,1 cm		
Interior Dimensions (L x W x H)	27,3 x 19,7 x 9,7 cm		
Overall Dimensions (L x W x H)	43,2 x 27,9 x 26,7 cm		
Ship Weight	10 kg		

Model	Description	Item N°	Price €
ISWV02HDG	Incubating Waving Shaker	30391982	3260,00
Specifications			
Temperature Range	Ambient +5°C to 65°C		
Temperature Uniformity	± 0,5°C at 37°C		
Speed Range	1 to 30 rpm *		
Speed Accuracy	± 1 rpm		
Tilt Angle	0 to 20° *		
Timer	1 second to 160 hours		
Maximum Weight Capacity	2,3 kg **		
Tray Material	Aluminium		
Tray Dimensions (L × W)	23,5 × 18,4 cm		
Interior Dimensions (L × W × H)	27,3 × 19,7 × 8,6 cm		
Overall Dimensions (L × W × H)	43,2 × 27,9 × 26,7 cm		
Ship Weight	10 kg		

* Maximum speed/tilt angle may vary with heavy or unbalanced loads.

** Centered on tray.

ACCESSORIES FOR OPEN AIR AND INCUBATING SHAKERS

30400054/30400056

Universal Platforms

Allows for mounting of flask clamps, test tube racks, and bottle clamps. Platform slides over top of included tray and is tightened with adjustment screws. Optional accessories screw directly into mounting point openings. The two-tier braces allow stacking of platforms with a 25,4 cm clearance (available for select sizes). An optional non-skid rubber mat can be placed on the platform for an added non-slip surface. The platform is constructed of type 304 stainless steel.



Universal Platforms

Description	Used on Shakers	Item N°	Price €
27,9 × 33 cm Universal Platform	Analog/Digital 16 kg Shakers and Reciprocating Shakers	30400052	201,00
33 × 33 cm Universal Platform	Analog/Digital 16 kg Shakers and Reciprocating Shakers	30400053	289,00
45,7 × 45,7 cm Universal Platform*	Analog/Digital 16 kg Shakers and Reciprocating Shakers**	30400054	345,00
45,7 × 61 cm Universal Platform*	Analog/Digital 16 kg & 23 kg Shakers** and Reciprocating Shakers**	30400056	390,00
61 × 61 cm Universal Platform	Digital 45 kg Shakers	30400057	930,00
45,7 × 76,2 cm Universal Platform*	Analog/Digital 23 kg Shakers	30400058	900,00
61 × 91,4 cm Universal Platform	Digital 68 kg Shakers	30400059	1180,00
46 X 46 cm, S/S IHR Universal Platform	Incubating 23 kg shakers	30400055	291,00
Two-Tier Braces (set of 4)	Analog/Digital 16 kg & 23 kg Shakers	30400051	108,50

Rubber Mats

Description	Used on Shakers	Item N°	Price €
27,9 × 33 cm Rubber Mat	Analog/Digital 16 kg Shakers and Reciprocating Shakers	30400060	56,40
33 × 33 cm Rubber Mat	Analog/Digital 16 kg Shakers and Reciprocating Shakers	30400061	68,70
45,7 × 45,7 cm Rubber Mat	Analog/Digital 16 kg Shakers and Reciprocating Shakers	30400062	97,20
45,7 × 61 cm Rubber Mat	Analog/Digital 16 kg Shakers, Reciprocating Shakers and Analog Digital 23kg Shakers	30400063	110,00
61 × 61 cm Rubber Mat	Digital 45 kg Shakers	30400064	132,00
61 × 91,4 cm Rubber Mat	Digital 68 kg Shakers	30400065	144,50

Culture Platforms

Ideal for slow speed applications; Petri dishes, culture flasks, and other flat bottom, low profile vessels. The two-tier braces (available for both sizes) allow stacking of platforms with a 25,4 cm clearance. The platform is constructed of type 304 stainless steel. The platform has a non-skid rubber surface.



30400067

Culture Platforms

Description	Used on Shakers	Item N°	Price €
45,7 × 45,7 cm Culture Platform*	Analog/Digital 16 kg Shakers* and Reciprocating Shakers**	30400066	345,00
45,7 × 61 cm Culture Platform*	Analog/Digital 16 kg* & 23 kg Shakers and Reciprocating Shakers**	30400067	359,00
Two-Tier Braces (set of 4)	Analog/Digital 16 kg & 23 kg Shakers	30400051	108,50

*To stack platforms select (2) stackable platforms of the same size and (1) tier brace kit (Item No. 30400051)

**61 × 46 platforms can be used on both 16 kg and 23 kg shakers but can only be stacked on 16 kg shakers

Dedicated Platforms

Pre-mounted flask clamps for maximum utilization of platform space for flasks of all one size. The two-tier braces allow stacking of platforms with a clearance (available for select sizes). Platform is constructed of type 304 stainless steel. Flask clamps are constructed of PVC. Ideal for polycarbonate flasks.



30400081

Dedicated Platforms

Description	Flask Capacity	Used on Shakers	Item N°	Price €
33 × 33 cm Dedicated Platform / 125 ml Flask Clamp	16	Analog/Digital 16 kg Shakers and Reciprocating Shakers	30400075	540,00
33 × 33 cm Dedicated Platform / 250 ml Flask Clamp	12	Analog/Digital 16 kg Shakers and Reciprocating Shakers	30400076	540,00
33 × 33 cm Dedicated Platform / 500 ml Flask Clamp	8	Analog/Digital 16 kg Shakers and Reciprocating Shakers	30400077	540,00
33 × 33 cm Dedicated Platform / 1 L Flask Clamp	4	Analog/Digital 16 kg Shakers and Reciprocating Shakers	30400078	540,00
45,7 × 45,7 cm Dedicated Platform / 125 ml Flask Clamp*	27	Analog/Digital 16 kg Shakers and Reciprocating Shakers **	30400079	605,00
45,7 × 45,7 cm Dedicated Platform / 250 ml Flask Clamp*	20	Analog/Digital 16 kg Shakers and Reciprocating Shakers **	30400080	605,00
45,7 × 45,7 cm Dedicated Platform / 500 ml Flask Clamp*	13	Analog/Digital 16 kg Shakers and Reciprocating Shakers **	30400081	605,00
45,7 × 45,7 cm Dedicated Platform / 1 L Flask Clamp	9	Analog/Digital 16 kg Shakers and Reciprocating Shakers **	30400082	605,00
Two-Tier Braces (set of 4)		Analog/Digital 16 kg Shakers	30400051	108,50

Adjustable Platforms

Adjustable clamping bars accommodate various vessel types. Constructed of stainless steel. The base tray has a non-skid rubber surface.



30400068

Adjustable Platforms

Description	Bar Size	Overall Dimensions	Used on Shakers	Item N°	Price €
2-bar Adjustable Platform	21,8 cm	21,8 × 29,7 cm	Digital 4 kg Shakers	30400121	404,00
4-bar Adjustable Platform	45,7 cm	45,7 × 45,7 cm	Analog/ Digital 16 kg shakers	30400068	520,00
4-bar Adjustable Platform	45,7 cm	45,7 × 61 cm	Analog/ Digital 23 kg shakers	30400069	760,00

Replacement Parts

Description	Used with Platforms	Item N°	Price €
21,8 cm Adjustable Bar (with Mounting Hardware)	30400121	30400122	42,40
45,7 cm Adjustable Bar (with Mounting Hardware)	30400068 & 3040069	30400073	58,80

30400071

Large Vessel Carrier Platforms

Ideal for large sample containers like carboys, jugs, and bottles. The platforms' high side walls secure samples, has a heavy-duty design and is constructed of stainless steel. The base tray has a non-skid rubber surface.

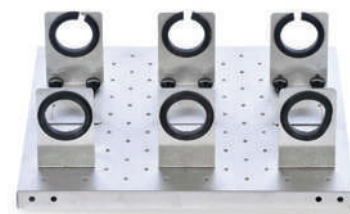


Large Vessel Carrier Platforms

Description	Bar Size	Overall Dimensions (L x W x H)	Used on Shakers	Item N°	Price €
4-bar Large Vessel Carrier Platform	45,7 cm	76,4 x 45,9 x 35,3 cm	Analog/Digital 23 kg Shakers	30400070	1255,00
4-bar Large Vessel Carrier Platform	61 cm	61,9 x 61,7 x 36,0 cm	Digital 45 kg Shakers	30400071	1315,00
5-bar Large Vessel Carrier Platform	61 cm	93,7 x 61,7 x 36,0 cm	Digital 68 kg Shakers	30400072	1675,00
Replacement Part	Used with Carrier			Item N°	Price €
45,7 cm adjustable bar (with mounting hardware)	30400070			30400073	58,80
61 cm adjustable bar (with mounting hardware)	30400071 & 30400072			30400074	72,50

Separatory Funnel Platform

Holds 3 funnels at once on a 45,7 x 45,7 cm platform. Platform can accommodate 500 ml to 2 L separatory funnels and is constructed of stainless steel. Includes platform, clamps and hardware to secure 3 funnels.



Separatory Funnel Platform

Description	Used on Shakers	Item N°	Price €
Separatory Funnel Platform (45,7 x 45,7 cm)	Analog/Digital 16 kg Shakers and Reciprocating Shakers	30400083	580,00

Microplate Clamp

Can hold one standard microplate or deep-well plate. Constructed of type 304 stainless steel. Platform Capacities for Microplate Clamps



Microplate Clamp

Platform Capacities for Microplate Clamps					
Platform Size	Microplate Clamps		Item N°	Price €	
27,9 x 33 cm	4		30400052	201,00	
33 x 33 cm	6		30400053	289,00	
45,7 x 45,7 cm	12		30400054	345,00	
45,7 x 61 cm	18		30400056	390,00	
45,7 x 76,2 cm	21		30400057	930,00	
61 x 61 cm	24		30400058	900,00	
61 x 91,4 cm	36		30400059	1180,00	
Description	Used on Shakers		Item N°	Price €	
Microplate Clamp	Analog/Digital 16 kg, 23 kg, 45 kg, & 68 kg Shakers		30400104	57,40	

Universal Harness

Attaches to tray to secure low profile plates.



Universal Harness

Description	Used on Shakers	Item N°	Price €
Universal Harness	Digital 4 kg Open Air Orbital Shakers	30400123	37,60

Dimpled Mat

Designed to hold centrifuge tubes, vials, culture tubes, and micro-tubes securely in place. Mat can easily be removed for cleaning and transporting of tubes from bench to tray.



Dimpled Mat

Description	Used on Shakers	Item N°	Price €
Dimpled Mat, 32,4 × 25,4 cm	Digital Rocking Shaker	30400140	33,80
Dimpled Mat, 29,9 × 22,2 cm	Digital Waving Shaker	30400142	33,80
Dimpled Mat, 29,9 × 22,2 cm	Open Air 4 kg Orbital Shaker	30400124	40,40
Dimpled Mat, 35,6 × 27,9 cm	Analog Rocking & Waving Shaker	30400144	50,70

Stacking Tray

Easily attaches to the units' included tray to add a second tier for higher capacity applications. Second tier tray mounts 8,9 cm above lower tray. The tray includes hardware and a rubber mat.



Stacking Tray

Description	Used on Shakers	Item N°	Price €
Stacking Tray, 32,4 × 25,4 cm	Digital Rocking Shaker	30400137	125,50
Stacking Tray, 29,9 × 22,2 cm	Digital Waving Shaker	30400138	157,50
Stacking Tray, 35,6 × 27,9 cm	Analog Rocking Shaker	30400139	112,50

Dilution Cup Tray

Constructed of type 304 stainless steel. Holds 24 × 28 mm dilution vials.



Dilution Cup Tray

Description	Used on Unit	Item N°	Price €
Dilution Cup Tray	Digital 4 kg Open Air Orbital Shakers	30400125	219,00

Micro-Tube Rack

Optional 1,5 to 2 ml Micro-Tube Rack attaches to tray to hold up to 70 × 1,5 ml or 2 ml micro-tubes. Tray can accommodate up to 2 micro-tube racks.



Micro-Tube Rack

Description	Used on Unit	Item N°	Price €
Micro-Tube Rack	Digital Open Air and Incubating Microplate Shaker	30400114	157,50

ACCESSORIES FOR OPEN AIR AND INCUBATING SHAKERS

Stainless Steel Flask Clamps

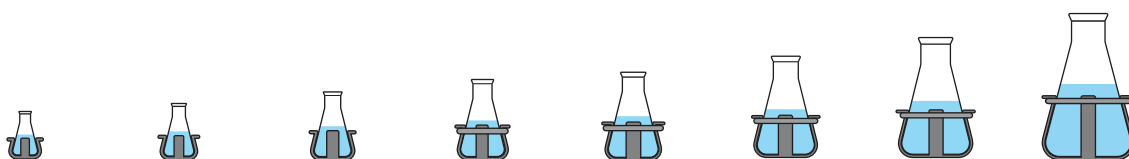
Designed to hold Erlenmeyer flasks from 10 ml to 6 L. Constructed of type 302 and 304 stainless steel. Includes hardware for easy attachment to platforms. Flask clamps 50 ml and higher are supplied with a spring to hold the flask in place. The 2,8 L clamp is designed to hold a Fernbach flask. Media bottle clamps feature the same details as flask clamps.



Media Bottle Flask Clamps



Erlenmeyer Flask Clamps



Clamp Style	10 ml Erlenmeyer Flask Clamp	25 ml Erlenmeyer Flask Clamp	50 ml Erlenmeyer Flask Clamp	125 ml Erlenmeyer Flask Clamp	250 ml Erlenmeyer Flask Clamp	500 ml Erlenmeyer Flask Clamp	1 L Erlenmeyer Flask Clamp	2 L Erlenmeyer Flask Clamp
Material	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Item Number	30400084	30400085	30400086	30400087	30400088	30400089	30400090	30400091
Price €	29,80	29,80	30,90	30,90	35,40	37,70	50,70	72,10
Tray or Platform	Number of Flask Clamps per Tray or Platform							
29,9 × 22,2 cm Open Air Digital 4 kg Shakers	35	20	15	12	6	4	N/A	N/A
27,9 × 19,7 cm Incubating 4 kg Shakers	35	20	12	8	5	N/A	N/A	N/A
27,9 × 33 cm Analog/Digital 16 kg Shakers	60	25	13	10	9	7	4	N/A
Digital Reciprocating Shakers	60	25	13	10	9	7	4	N/A
33 × 33 cm Analog/Digital 16 kg Shakers	60	30	15	12	12	8	4	3
Digital Reciprocating Shakers	60	30	15	12	12	8	4	3
45,7 × 45,7 cm Analog/Digital 16 kg Shakers	113	64	32	20	20	13	8	5
Digital Reciprocating Shakers	113	64	32	20	20	13	8	5
Incub, Incub/Ref 23kg Shakers	113	64	32	20	20	13	8	5
45,7 × 61 cm Analog/Digital 16 kg Shakers	158	88	44	28	28	20	12	6
Digital Reciprocating Shakers	158	88	44	28	28	20	12	6
Analog/Digital 23 kg Shakers	158	88	44	28	28	20	12	6
45,7 × 76,2 cm Analog/Digital 23 kg Shakers	203	112	56	36	36	26	15	8
61 × 61 cm Digital 45 kg Shakers	221	121	61	41	41	25	16	9
61 × 91,4 cm Digital 63 kg Shakers	336	160	94	61	64	40	24	14

*All units require a universal platform for mounting flask clamps or test tube racks with the exception of the digital open air and incubating 4 kg shakers.

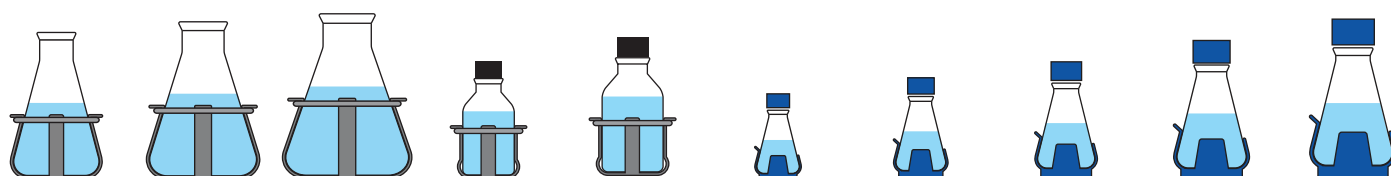
ACCESSORIES FOR OPEN AIR AND INCUBATING SHAKERS

PVC Flask Clamps

Constructed of one piece, molded PVC. Autoclavable. Will not scratch or mark flask like other clamps. Includes hardware for easy attachment to universal platforms. The attachment and removal of flasks is quick and easy. Ideal for polycarbonate flasks.



PVC Flask Clamps



2,8 L & 3 L Fernbach Flask Clamp	4 L Erlenmeyer Flask Clamp	5 L & 6 L Erlenmeyer Flask Clamp	500 ml Media Bottle Clamp	1 L Media Bottle Clamp	125 ml Erlenmeyer Flask Clamp	250 ml Erlenmeyer Flask Clamp	500 ml Erlenmeyer Flask Clamp	1 L Erlenmeyer Flask Clamp	2 L Erlenmeyer Flask Clamp
Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	PVC	PVC	PVC	PVC	PVC
2,8L-30400092 3L-30400093	30400094	5 L-30400095 6 L-30400096	30400097	30400098	30400099	30400100	30400101	30400102	30400103
106,00 148,00	130,00	148,00 159,00	105,00	114,00	37,60	39,00	45,10	50,00	86,10
Number of Flask Clamps per Tray or Platform									
N/A	N/A	N/A	3	N/A	12	6	4	N/A	N/A
N/A	N/A	N/A	N/A	N/A	8	4	N/A	N/A	N/A
N/A	N/A	N/A	5	2	10	8	5	2	N/A
N/A	N/A	N/A	5	2	10	8	5	2	N/A
1	1	1	6	5	12	10	6	4	3
1	1	1	6	5	12	10	6	4	3
2	4	2	16	10	20	18	12	8	4
2	4	2	16	10	20	18	12	8	4
2	4	2	16	10	20	18	12	8	4
3	4	3	20	13	28	25	16	10	6
3	4	3	20	13	28	25	16	10	6
3	4	3	20	13	28	25	16	10	6
3	6	4	28	18	36	33	20	14	8
5	5	5	25	18	41	35	24	13	9
7	9	7	40	30	61	55	38	22	13

ACCESSORIES FOR OPEN AIR AND INCUBATING SHAKERS

Test Tube Racks

Half Size, Stationary

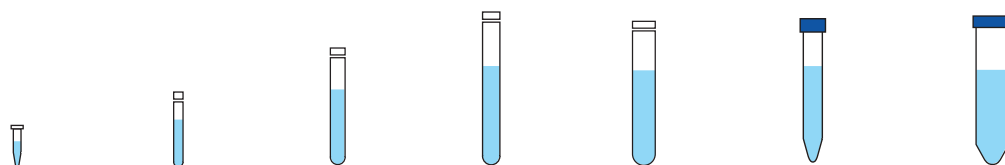
Racks constructed of PVC coated steel. Includes hardware for easy attachment to platforms.

Dimensions:

12,7 × 17,8 × 10,2 cm / Micro-Tube Rack: 4,3 cm H.



Test Tube Racks Half-Size,
Stationary



Test Tube Style	1,5 to 2 ml Micro-Tube Rack Half Size, Stationary	10 to 13 mm Test Tube Rack Half Size, Stationary	14 to 16 mm Test Tube Rack Half Size, Stationary	18 to 20 mm Test Tube Rack Half Size, Stationary	22 to 25 mm Test Tube Rack Half Size, Stationary	15 ml Centrifuge Tube Rack Half Size, Stationary	50 ml Centrifuge Tube Rack Half Size, Stationary
Tube Capacity	70	63	48	35	24	35	12
Item Number	30400114	30400115	30400116	30400117	30400118	30400119	30400120
Price €	157,50	169,50	169,50	169,50	169,50	175,50	175,50
Tray or Platform	Number of Test Tube Racks per Tray or Platform						
29,9 × 22,2 cm Digital Open Air 4 kg Shakers	2	2	2	2	2	2	2
27,9 × 19,7 cm Incubating 4 kg Shakers	2	1	1	N/A	N/A	1	1
Digital Open Air 4 kg Shakers	2	N/A	N/A	N/A	N/A	N/A	N/A
Incubating Microplate Shakers	2	N/A	N/A	N/A	N/A	N/A	N/A
27,9 × 33 cm Analog/Digital 16 kg Shakers	2	2	2	2	2	2	2
Digital Reciprocating Shakers	2	2	2	2	2	2	2
33 cm × 33 cm Analog/Digital 16 kg Shakers	2	2	2	2	2	2	2
Digital Reciprocating Shakers	2	2	2	2	2	2	2
45,7 × 45,7 cm Analog/Digital 16 kg Shaker	4	4	4	4	4	4	4
Digital Reciprocating Shakers	4	4	4	4	4	4	4
Incub, Incub/Ref 23kg Shakers	4	4	4	4	4	4	4
45,7 × 61 cm Analog/Digital 16 kg Shakers	6	6	6	6	6	6	6
Digital Reciprocating Shakers	6	6	6	6	6	6	6
Analog/Digital 23 kg Shakers	6	6	6	6	6	6	6
45,7 × 76,2 cm Analog/Digital 23 kg Shakers	8	8	8	8	8	8	8
61 × 61 cm Digital 45 kg Shakers	8	8	8	8	8	8	8
61 × 91,4 cm Digital 63 kg Shakers	7	7	7	7	7	7	7

*All units require a universal platform for mounting flask clamps or test tube racks with the exception of the digital open air and incubating 4 kg shakers.

ACCESSORIES FOR OPEN AIR AND INCUBATING SHAKERS

Test Tube Racks

Full Size, Stationary

Racks constructed of PVC coated steel. Includes hardware for easy attachment to platforms.

Dimensions:

9,5 × 41,9 × 10,2 cm

Full Size, Pivoting

Has adjustable angle, custom tilt. Stainless steel holder includes removable plastic rack. Rack is easily removed to transport from work area to shaker.

Inside pivoting rack dimensions:

12,9 × 27,4 × 9,9 cm

Outside stationary rack dimensions:

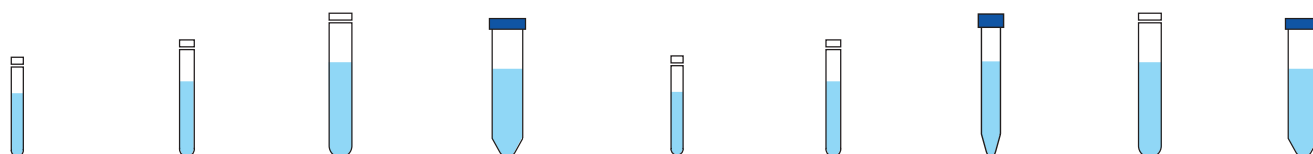
12,7 × 27,6 × 12,7 cm



Test Tube Racks
Full-Size, Stationary



Test Tube Racks
Full-Size, Pivoting



10 to 14 mm Test Tube Rack Full Size, Stationary	16 to 20 mm Test Tube Rack Full Size, Stationary	21 to 25 mm Test Tube Rack Full Size Stationary	50 ml Centrifuge Tube Rack Full Size, Stationary	13 mm Test Tube Rack Full Size, Pivoting	16 mm Test Tube Rack Full Size, Pivoting	20 mm Test Tube Rack Full Size, Pivoting	25 mm Tube Rack Full Size, Pivoting	30 mm Tube Rack Full Size, Pivoting
48	33	21	17	90	60	40	24	21
30400110	30400111	30400112	30400113	30400105	30400106	30400107	30400108	30400109
339,00	339,00	339,00	351,00	301,00	301,00	301,00	301,00	301,00
Number of Test Tube Racks per Tray or Platform								
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A
N/A N/A	N/A N/A	N/A N/A	N/A N/A	1 1	1 1	1 1	1 1	1 1
N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A
N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A
5 5 5	5 5 5	5 5 5	5 5 5	3 3 3	3 3 3	3 3 3	3 3 3	3 3 3
6	6	6	6	4	4	4	4	4
7	7	7	7	4	4	4	4	4
5	5	5	5	6	6	6	6	6

MINI VORTEX MIXERS

Choose the Perfect Vortex Mixer From Four Durable Models for Everyday Mixing

Application

Re-Suspending Liquids, Mixing Reagents, Buffers and Emulsions, ELISA Assay, Drug Extractions, Mixing Samples

Display

Independent LED displays for speed/time allow the operator to view both settings simultaneously (digital models) and adjustment knob with dial markings for variable speed control (analog models)

Operation

Detachable 3-wire cord and plug (included)

Construction

Cup head and 3-inch accessory platform for beakers, flasks, test tubes etc. (included with all models), stainless steel microtube holder for 12 tubes (pulsing models)

Design Features

Microprocessor-control to maintain set speed for consistent mixing action (digital models), 230V models have a maximum speed of 2500 rpm



Touch mode operation activates mixing when depressing the cup head or continuous mode for use with accessory attachments. Sturdy, rugged design ensures the unit stays in place while in use.

Robust digital and non-digital Vortex Mixers offer effective speed control from low RPM start-up for gentle shaking to high-speed mixing for vigorous vortexing of samples.

The Fixed Speed Vortex Mixer is an economical choice for vigorous mixing of samples at high speed. To ease repetitive sample processing, this unit provides simple, effective full-speed mixing.

Model	Description	Item N°	Price €
VXMNFS	Fixed Speed Vortex Mixer	30392110	191,00
Specifications			
Speed Range 230V		2800 rpm	
Orbit		4,9 mm	
Controls		None	
Duty Rating		Intermittent duty	
Dimensions (L x W x H)		21,1 x 12,2 x 16,5 cm	
Ship Weight		4,5 kg	
Model	Description	Item N°	Price €
VXMNDG	Digital Vortex Mixer	30392124	380,00
Specifications			
Speed Range* 230V		500 to 2800 rpm	
Timer		1 second to 160 hours	
Orbit		4,9 mm	
Controls	Auto/Standby/On Rocker Switch, LED Displays for Speed/Time, Up/Down Buttons for Set-Point Control		
Duty Rating		Intermittent duty	
Dimensions (L x W x H)		21,1 x 12,2 x 16,5 cm	
Ship Weight		4,5 kg	

Model	Description	Item N°	Price €
VXMNAL	Analog Vortex Mixer	30392117	250,00
Specifications			
Speed Range* 230V		300 to 2800 rpm	
Orbit		4,9 mm	
Controls		Auto/Off/On Rocker Switch, Speed Knob: Variable 1 to 10 Dial Marks	
Duty Rating		Intermittent duty	
Dimensions (L x W x H)		21,1 x 12,2 x 16,5 cm	
Ship Weight		4,5 kg	

Model	Description	Item N°	Price €
VXMNPS	Pulsing Vortex Mixer	30392131	565,00
Specifications			
Speed Range* 230V		500 to 2800 rpm	
Timer		1 second to 160 hours	
Orbit		2,5 mm	
Controls		Auto/Standby/On Rocker Switch, LED Displays for Speed/Time, Up/Down Buttons for Set-Point Control Pulse Button	
Duty Rating		Intermittent duty	
Dimensions (L x W x H)		21,1 x 12,2 x 16,5 cm	
Ship Weight		4,5 kg	

Accessories included in price:

Description	Item N°
Cup Head	30400235
7,6 cm Head	30400236
7,6 cm Rubber Head Cover	30400237
Stainless Steel Tube Holder (only with 30392131)	30400206

* Maximum speed will vary depending on accessory used.

MINI VORTEX MIXER ACCESSORIES

Micro-Tube Holder

Mixes (48) 0,25 to 2 ml micro-tubes. Requires Insert Retainer.

Description	Item N°	Price €
Micro-Tube Holder (2 pack)	30400232	63,50
Insert Retainer	30400227	130,00



9 to 13 mm Tube Holder

Ideal for mixing 5 ml culture tubes and micro-vials. Requires Insert Retainer.

Description	Item N°	Price €
9 to 13 mm Tube Holder (2 pack)	30400229	29,60
Insert Retainer	30400227	130,00



14 to 19 mm Tube Holder

Ideal for mixing up to (8) 15 ml centrifuge tubes. Requires Insert Retainer.

Description	Item N°	Price €
14 to 19 mm Tube Holder (2 pack)	30400230	29,60
Insert Retainer	30400227	130,00



20 to 25 mm Tube Holder

Ideal for mixing up to (8) 50 ml centrifuge tubes. Requires Insert Retainer.

Description	Item N°	Price €
20 to 25 mm Tube Holder (2 pack)	30400231	29,60
Insert Retainer	30400227	130,00



Vessel Harness

Mixes Erlenmeyer flasks and media bottles. Requires Insert Retainer.

Description	Item N°	Price €
Vessel Harness (2 pack)	30400228	8,70
Insert Retainer	30400227	130,00



Cup Head

Designed for mixing 1 tube at a time. Inner diameter 2,54 cm, outer diameter 5,08 cm.

Description	Item N°	Price €
Cup Head	30400235	36,70



7,6 cm Rubber Head Cover and 7,6 cm Head

Designed for mixing irregular shaped objects.

Description	Item N°	Price €
7,6 cm Rubber Head Cover	30400237	36,70
7,6 cm Head	30400236	36,70
7,6 cm Head with Rubber Cover	30400196	51,50

Microplate Holder

Ideal for mixing 96-well plates or deep well blocks. Requires Insert Retainer.

Description	Item N°	Price €
Microplate Holder (2 pack)	30400233	63,50
Insert Retainer	30400227	130,00

Flat Foam Insert

Ideal for custom applications. Can be cut or drilled to fit your specifications. Requires Insert Retainer.

Description	Item N°	Price €
Flat Foam Insert (2 pack)	30400234	28,30
Insert Retainer	30400227	130,00

Microwell Kit with Retainer

Includes:

- 2 Microplate Holders
- 1 Insert Retainer

Description	Item N°	Price €
Microwell Kit with Retainer	30400199	111,50

Microtube Kit with /Retainer

Includes:

- 2 Micro-Tube Holders
- 1 Insert Retainer

Description	Item N°	Price €
Microtube Kit with /Retainer	30400200	111,50

Foam Insert Variety Pack

Includes:

- (1) 9 to 13 mm Tube Holder
- (1) 14 to 19 mm Tube Holder
- (1) 20 to 25 mm Tube Holder
- 1 Flat Foam Insert

Description	Item N°	Price €
Foam Insert Variety Pack	30400201	56,40

Micro-Tube and Microplate Holder Kit

Includes:

- 1 Micro-Tube Holder
- 1 Microplate Holder
- 1 Insert Retainer

Description	Item N°	Price €
Micro-Tube & Microplate Holder Kit	30400198	111,50

Tube Holder Kit

Includes:

- (1) 9 to 13 mm Tube Holder
- (1) 14 to 19 mm Tube Holder
- (1) 20 to 25 mm Tube Holder
- 1 Flat Foam Insert
- 2 Vessel Harnesses
- 1 Insert Retainer

Description	Item N°	Price €
Tube Holder Kit	30400197	190,00



Single Tube Holder

Single tube, hands free mixing. Easily attaches to the top of any Vortex Mixer with the use of a strong magnetic base. Accepts tubes from 6,4 to 11,4 cm in length. Minimum tube diameter of 19 mm.

Description	Item N°	Price €
Single Tube Holder	30400202	166,50

Adapter for Vortex-Genie® Mixer*

Adapter plate easily adheres to the Vortex-Genie® Mixer housing so Single Tube Holder (sold separately) can be attached.

Description	Item N°	Price €
Adapter plate	30400203	83,00

* The Vortex-Genie® Mixer is a registered trademark of Scientific Industries, Inc.



SINGLE TUBE HOLDER ACCESSORIES

(Requires Single Tube Holder)

0,5 ml Micro-Tube Holder

Mixes (24) 0,5 ml micro-tubes.
For use with Single Tube Holder

Description	Item N°	Price €
Micro-Tube Holder (0,5 ml)	30400204	69,70

1,5 ml to 2,0 ml Micro-Tube Holder

Mixes (18) 1,5 to 2 ml micro-tubes.
For use with Single Tube Holder.

Description	Item N°	Price €
Microtube Holder (1,5 ml to 2,0 ml)	30400205	69,70

Ampule Tube Holder

Mixes up to 4 storage vials and test tubes.

Description	Item N°	Price €
15 to 17 mm Ampule Tube Holder	30400207	121,00
10 to 17 mm Ampule Tube Holder	30400208	172,00

Stainless Steel Microtube Holder

Mixes up to (12) 1,5 to 2 ml tubes.
Stainless steel construction.

Description	Item N°	Price €
Microtube Holder	30400206	264,00



OHAUS Vortex Mixer accessories are interchangeable with other manufacturers' models

HEAVY-DUTY VORTEX MIXERS

Increase Productivity with Continuous-Duty Vortexing of Multiple Samples

Application

ELISA Assays, PCR Preparations, Digestions, Cell Disruptions

Display

Independent LED displays for speed/time allow the operator to view both settings simultaneously (digital models) and adjustment knob with dial markings for variable speed control (analog models)

Operation

Detachable 3-wire cord and plug (included)

Construction

Cyclopy, Touch/Standby/On rocker switch (both models)

Design Features

Universal holder, foam insert for (38) 1,5 to 2 ml microtubes, universal cover and cup head (included)



VXHDDG



Safe to mix at high speeds - the unique locking design of the mixer accessories allows the mixer to safely operate throughout the entire speed range.

For the most demanding applications, these mixers utilize a high quality German-manufactured motor, allowing for continuous duty operation and increased load capacities up to 1,1 kg.

Robust digital and non-digital models offer effective speed control from low rpm for gentle shaking to high-speed mixing for vigorous vortexing of difficult samples.

Model	Description	Item N°	Price €
VXHDDG	Digital Heavy Duty Vortex Mixer	30392136	900,00

Specifications

Speed Range		
On Mode	300 to 2500 rpm	
Touch Mode	300 to 3500 rpm	
Timer	1 second to 160 hours	
Orbit	4,9 mm	
Controls	Touch/Standby/On Rocker Switch, LED Displays for Speed/Time, Up/Down Buttons for Set-Point Control	
Capacity	1,1 kg	
Duty Rating	Continuous duty	
Dimensions (L x W x H)	24,1 x 16,8 x 16 cm	
Ship Weight	6,8 kg	

Model	Description	Item N°	Price €
VXHDAL	Analog Heavy Duty Vortex Mixer	30392141	745,00

Specifications

Speed Range		
On Mode	300 to 2500 rpm	
Touch Mode	300 to 3500 rpm	
Orbit	4,9 mm	
Controls	Analog	
Capacity	1,1 kg	
Duty Rating	Continuous duty	
Dimensions (L x W x H)	24,1 x 16,8 x 16 cm	
Ship Weight	6,8 kg	

Accessories included in price:

Description	Item N°
Cup Head	30400210
Universal Holder	30400226
Universal Holder Cover	30400225
Foam Insert (1,5 to 2,0 microtubes)	30400217



30400210



30400226



30400225



30400217

MICROPLATE VORTEX MIXERS

The Ideal Solution for Dependable Vortex Mixing of Microplates

Application

ELISA Assays, PCR Preparations, Digestions, Cell Disruptions

Display

Independent LED displays for speed/time allow the operator to view both settings simultaneously (digital models) and adjustment knob with dial markings for variable speed control (analog models)

Operation

Detachable 3-wire cord and plug (included)

Construction

Cyclody

Design Features

Microplate adapter and cup head (included)



Safe to mix at high speeds - the innovative locking design of the microplate accessories allows these mixers to safely operate throughout the entire speed range.

These mixers utilize a high quality German-manufactured motor allowing for reliable, continuous-duty operation at any speed.

Robust digital and non-digital models offer effective speed control from low rpm for gentle shaking to high-speed mixing for vigorous vortexing of samples.

Model	Description	Item N°	Price €
VXMPDG	Digital Microplate Vortex Mixer	30392150	615,00

Specifications

Speed Range	
On Mode	300 to 2500 rpm
Touch Mode	300 to 3500 rpm
Timer	1 second to 160 hours
Orbit	3,5 mm
Controls	Touch/Standby/On Rocker Switch, LED Displays for Speed/Time, Up/Down Buttons for Set-Point Control
Capacity	2 microplates
Duty Rating	Continuous duty
Dimensions (L x W x H)	26,7 x 13,7 x 11,4 cm
Ship Weight	5,4 kg

Model	Description	Item N°	Price €
VXMPAL	Analog Microplate Vortex Mixer	30392155	525,00

Specifications

Speed Range	
On Mode	300 to 2500 rpm
Touch Mode	300 to 3500 rpm
Orbit	3,5 mm
Controls	Analog
Capacity	2 microplates
Duty Rating	Continuous duty
Dimensions (L x W x H)	26,7 x 13,7 x 11,4 cm
Ship Weight	5,4 kg

Accessories included in price:

Description	Item N°
Cup Head	30400210
Microplate Holder (Single)	30400215



30400210



30400215

HEAVY-DUTY AND MICROPLATE MIXERS ACCESSORIES

Foam Insert for 0,5 ml Microtubes*

Foam insert holds (52) 0,5 ml microtubes. Requires Universal Holder.

Description	Item N°	Price €
0,5 ml microtubes	30400216	36,70
Universal Holder	30400226	57,50



30400216



30400216

Foam Insert for 1,5 to 2,0 ml Microtubes*

Foam insert holds (38) 1,5 to 2,0 ml microtubes. Requires Universal Holder.

Description	Item N°	Price €
1,5 to 2,0 ml microtubes	30400217	36,70
Universal Holder	30400226	57,50



30400217



30400220

Foam Insert for 12-13 mm Test Tubes*

Foam insert holds (34) 12-13 mm diameter test tubes. Requires Universal Holder.

Description	Item N°	Price €
12-13 mm test tubes	30400220	36,70
Universal Holder	30400226	57,50



30400221

Foam Insert for 15-18 mm Test Tubes*

Foam insert holds (20) 15-18 mm diameter test tubes. Ideal for 15 ml centrifuge tubes. Requires Universal Holder.

Description	Item N°	Price €
15-18 mm test tubes	30400221	36,70
Universal Holder	30400226	57,50



30400222

Foam Insert for 19-21 mm Test Tubes*

Foam insert holds (18) 19-21 mm diameter test tubes. Requires Universal Holder.

Description	Item N°	Price €
19-21 mm test tubes	30400222	36,70
Universal Holder	30400226	57,50



30400223

Foam Insert for 22-25 mm Test Tubes*

Foam insert holds (13) 22-25 mm diameter test tubes. Requires Universal Holder.

Description	Item N°	Price €
22-25 mm test tubes	30400223	36,70
Universal Holder	30400226	57,50



30400224

Foam Insert for 26-29 mm Test Tubes*

Foam Insert for 26-29 mm Test Tubes Foam insert holds (4) 26-29 mm diameter test tubes. Ideal for 50 ml centrifuge tubes. Requires Universal Holder.

Description	Item N°	Price €
26-29 mm test tubes	30400224	36,70
Universal Holder	30400226	57,50



30400210

Cup Head

Designed for mixing 1 tube at a time.

Description	Item N°	Price €
Cup Head	30400210	36,70

Small Vessel Holder*

Rubber holder secures 125 and 250 ml Erlenmeyer flasks. Vessel holder also includes a grip mat. Requires Universal Holder.

Description	Item N°	Price €
Small Vessel Holder	30400218	45,50
Universal Holder	30400226	57,50



30400218



30400226

Large Vessel Holder*

Rubber holder secures 500 and 1000 ml Erlenmeyer flasks. Vessel holder also includes a grip mat. Requires Universal Holder.

Description	Item N°	Price €
Large Vessel Holder	30400211	45,50
Universal Holder	30400226	57,50



30400211



30400226

Microplate Holder (Single)

Designed to hold one standard microplate.

Description	Item N°	Price €
Single Holder	30400215	55,10



30400215

Microplate Holder (Double)

Designed to hold two standard microplates.

Description	Item N°	Price €
Double Holder	30400213	61,20



30400213

Microplate Holder (Quad)*

Designed to hold four standard microplates.

Description	Item N°	Price €
Quad Holder	30400214	130,00



30400214

Stackable Microplate Holder Four*

Designed to maximize the capacity of the Heavy-Duty Vortex Mixer to eight microplates by stacking the tray on top of the four plate holder.

Description	Item N°	Price €
Stackable Holder**	30400212	118,00



30400212

** requires 30400214 Quad Holder

Flat Foam Insert*

Ideal for custom applications. Can be cut or drilled to fit your specifications. Requires Universal Holder.

Description	Item N°	Price €
Flat Foam Insert	30400209	36,70
Universal Holder	30400226	57,50



30400209



30400226

Universal Holder & Cover*

Replacement for items supplied with Heavy-Duty Vortex Mixer. Cover allows for mixing irregularly shaped objects.

Description	Item N°	Price €
Universal Holder	30400226	57,50
Universal Holder Cover	30400225	19,90



30400226



30400225

***for use on Heavy Duty only**

MULTI-TUBE VORTEX MIXERS

Powerful Hands-Free Vortex Mixer for Efficient High-Throughput Mixing

Application

Suspensions, Genotyping, High Throughput DNA and RNA Testing in Clinical Labs

Display

Independent LED displays for speed/time allow the operator to view both settings simultaneously (digital models)

Operation

Detachable 3-wire cord and plug (included)

Construction

Foam rack for (50) 12 mm diameter tubes (included), interchangeable foam racks for vortexing tubes from 10 - 29 mm in diameter

VXMTDG



Easily process up to 50 samples at one time - the Multi-Tube Vortex Mixer can be customized for your application with six different tube racks and a post- extension kit.

The Multi-Tube Vortex Mixers feature either an easy to clean one-piece stainless steel housing that is perfect for clean rooms or a painted steel version for a more economical option.

For challenging samples, enhance vortex action & create a more vigorous mix with the programmable pulse mode on the digital models. Adjust the pulse-on/pulse-off time interval to customize operation.

Model	Description	Item N°	Price €
VXMTAL	Analog Multi-Tube Vortexer	30392166	3240,00
VXMTALB*	Analog Multi-Tube Vortexer (painted steel housing)	30573832	2725,00

***NEW**

Specifications

Speed Range*	1200 to 2400 rpm
Timer	0 to 60 seconds
Orbit	3,6 mm
Maximum Weight Capacity	4,5 kg
Duty Rating	Continuous duty
Tray Dimensions (L x W)	18,4 x 31,1 cm
Overall Dimensions (L x W x H)	24,1 x 38,4 x 40,6 cm
Ship Weight	19,1 kg

Model	Description	Item N°	Price €
VXMTDG	Digital Multi-Tube Vortexer	30392173	4220,00
VXMTDGB*	Digital Multi-Tube Vortexer (painted steel housing)	30573837	3550,00

***NEW**

Specifications

Speed Range*	500 to 2500 rpm
Speed Accuracy	± 25 rpm
Timer	1 second to 160 hours
Orbit	3,6 mm
Maximum Weight Capacity	4,5 kg
Duty Rating	Continuous duty
Tray Dimensions (L x W)	18,4 x 31,1 cm
Overall Dimensions (L x W x H)	24,1 x 38,4 x 40,6 cm
Ship Weight	19,1 kg

Accessories included in price:

Description	Item N°
Foam rack for (50) 12 mm diameter tubes	30400239

MULTITUBE VORTEXER ACCESSORIES

Foam Test Tube Racks

Description	Tube Capacity	Colour	Dimensions (L × W × H)	Item N°	Price €
10 mm Test Tube Foam Rack	50	Gray	14 × 24,1 × 5,1 cm	30400238	34,40
12 mm Test Tube Foam Rack	50	Blue	14 × 24,1 × 5,1 cm	30400239	33,30
13 mm Test Tube Foam Rack	50	Yellow	14 × 24,1 × 5,1 cm	30400240	33,30
16 mm Test Tube Foam Rack (for 15 ml centrifuge tubes)	50	Green	14 × 24,1 × 5,1 cm	30400241	43,00
25 mm Test Tube Foam Rack	28	White	14 × 24,1 × 5,1 cm	30400243	43,00
29 mm Test Tube Foam Rack (for 50 ml centrifuge tubes)	15	Red	14 × 24,1 × 5,1 cm	30400242	43,00
Replacement Tray Pad Set (upper & lower)	N/A	Gray	17,8 × 30,5 × 2,5 cm	30400245	47,70

Post Extension Kit

Adds 15,2 cm to the post of the Multi-Tube Vortex Mixer to accommodate tubes up to 25,4 cm tall.

Description	Item N°	Price €
Post Extension Kit	30400244	178,50



30400238



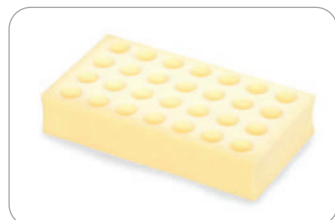
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30400240



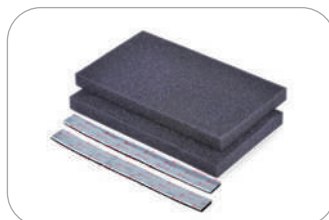
30400241



30400243



30400242



30400245



30400244

I BLOCK DRY BLOCK HEATERS

Versatile Block Heaters Designed for Everyday Use with Accessories for Every Application

HB1DG

Application

Incubation & Activation of Cultures, Enzyme Reactions, Immunoassays, Melting/Boiling Points, Isothermal Incubations, Nucleic Acid Denaturation

Display

LED display (digital models) and dual-adjustment knobs with dial markings (analog models)

Operation

Detachable 3-wire cord and plug (included), analog models require an external thermometer or temperature device for temperature setpoint

Construction

Painted steel housing, support rod holder with locking knob

Design Features

Touchpad control and audible alarm (digital models)



Designed for reliable everyday use in the lab. Digital and non-digital Block Heaters offer exceptional temperature uniformity with outstanding temperature stability.

Ensure temperature accuracy. Digital models include a unique single point calibration feature to match the block heater's display to a known external temperature standard for 3 temperature setpoints.

Digital models feature easy to use touchpad controls with independent displays for temperature and time. Robust non-digital models are controlled with dual temperature adjustment knobs.

Model	Size	Control	Temperature Range	Uniformity Within the Block @ 37°C	Temperature Stability @ 37°C	Uniformity Across Similar Blocks @ 37°C	Heat-Up Time to 100°C*	Dimensions (L x W x H)	Item N°	Price €
HB1DG	1 block	Digital	Ambient +5°C to 120°C	230 volt units: ± 0,2°C	230 volt units: ± 0,2°C	N/A	≤ 16 minutes	31,5 x 20,3 x 8,9 cm	30392061	630,00
HB1AL	1 block	Analog	Low Range: Ambient +5°C to 100°C High Range: 75°C to 150°C	230 volt units: ± 0,2°C	230 volt units: ± 1,5°C	N/A	≤ 16 minutes	31,5 x 20,3 x 8,9 cm	30392047	424,00

* Conditions permitting

2 BLOCK DRY BLOCK HEATERS

Versatile Block Heaters Designed for Everyday Use with Accessories for Every Application

Application

Incubation & Activation of Cultures, Enzyme Reactions, Immunoassays, Melting/Boiling Points, Isothermal Incubations, Nucleic Acid Denaturation

Display

LED display (digital models) and dual-adjustment knobs with dial markings (analog models)

Operation

Detachable 3-wire cord and plug (included), analog models require an external thermometer or temperature device for temperature setpoint

Construction

Painted steel housing, support rod holder with locking knob

Design Features

Touchpad control and audible alarm (digital models)

HB2DG



Three models to customize your application. All models offer exceptional temperature uniformity with outstanding temperature stability.

Avoid contamination to ensure repeatable, reliable results. The Heatblock with Heated Lid features a second heater in the lid to minimize condensation to maintain your sample integrity.

Model	Size	Control	Temperature Range	Uniformity Within the Block @ 37°C	Temperature Stability @ 37°C	Uniformity Across Similar Blocks @ 37°C	Heat-Up Time to 100°C*	Dimensions (L x W x H)	Item N°	Price €
HB2DG	2 block	Digital	Ambient +5°C to 120°C	230 volt units: ± 0,2°C	230 volt units: ± 0,2°C	± 0,1°C	≤ 16 minutes	39,1 × 20,3 × 8,9 cm	30392082	805,00
HB2DGHL	2 block	Digital	Ambient +5°C to 100°C	230 volt units: ± 0,1°C	230 volt units: ± 0,2°C	± 0,1°C	≤ 30 minutes	39,1 × 20,3 × 17,8 cm	30392103	1375,00
HB2AL	2 block	Analog	Low Range: Ambient +5°C to 100°C High Range: 75°C to 150°C	230 volt units: ± 0,2°C	230 volt units: ± 2,0°C	± 0,1°C	≤ 16 minutes	39,1 × 20,3 × 8,9 cm	30392054	575,00

* Conditions permitting

4 BLOCK DRY BLOCK HEATERS

Versatile and Dependable Block Heaters Deliver Precise, Reliable Results

Application

Incubation & Activation of Cultures, Enzyme Reactions, Immunoassays, Melting/Boiling Points, Isothermal Incubations, Nucleic Acid Denaturation

Display

LED display (digital models) and dual-adjustment knobs with dial markings (analog models)

Operation

Detachable 3-wire cord and plug (included), analog models require an external thermometer or temperature device for temperature setpoint

Construction

Detachable 3-wire cord and plug (included), analog models require an external thermometer or temperature device for temperature setpoint

Design Features

Touchpad control and audible alarm (digital models)

HB4DG



Designed for flexibility with your applications. The four-block capacity allows you to process multiple samples simultaneously with one device.

Ensure temperature accuracy. Digital models include a unique single point calibration feature to match the block heater's display to a known external temperature standard for 3 temperature setpoints.

Digital models feature easy to use touchpad controls with independent displays for temperature and time. Robust non-digital models are controlled with dual temperature adjustment knobs.

Model	Size	Control	Temperature Range	Uniformity Within the Block @ 37°C	Temperature Stability @ 37°C	Uniformity Across Similar Blocks @ 37°C	Heat-Up Time to 100°C*	Dimensions (L x W x H)	Item N°	Price €
HB4DG	4 block	Digital	Ambient +5°C to 120°C	230 volt units: ± 0,2°C	230 volt units: ± 0,2°C	± 0,2°C	≤ 23 minutes	42,9 x 20,3 x 8,9 cm	30392089	1015,00
HB4AL	4 block	Analog	Low Range: Ambient +5°C to 100°C High Range: 75°C to 150°C	230 volt units: ± 0,2°C	230 volt units: ± 2,5°C	± 0,2°C	≤ 23 minutes	42,9 x 20,3 x 8,9 cm	30392068	805,00

* Conditions permitting

6 BLOCK DRY BLOCK HEATERS

Process More Samples with Large Capacity Block Heaters that Deliver Precise, Reliable Results

Application

Incubation & Activation of Cultures, Enzyme Reactions, Immunoassays, Melting/Boiling Points, Isothermal Incubations, Nucleic Acid Denaturation

Display

LED display (digital models) and dual-adjustment knobs with dial markings (analog models)

Operation

Detachable 3-wire cord and plug (included), analog models require an external thermometer or temperature device for temperature setpoint

Construction

Painted steel housing, support rod holder with locking knob

Design Features

Touchpad control and audible alarm (digital models)



HB6DG



Unique design for high throughput applications. The six-block capacity allows you the most flexibility to process multiple samples simultaneously with one device.

Ensure temperature accuracy. Digital models include a unique single point calibration feature to match the block heater's display to a known external temperature standard for 3 temperature setpoints.

Digital models feature easy to use touchpad controls with independent displays for temperature and time. Robust non-digital models are controlled with dual temperature adjustment knobs.

Model	Size	Control	Temperature Range	Uniformity Within the Block @ 37°C	Temperature Stability @ 37°C	Uniformity Across Similar Blocks @ 37°C	Heat-Up Time to 100°C*	Dimensions (L x W x H)	Item N°	Price €
HB6DG	6 block	Digital	Ambient +5°C to 120°C	230 volt units: ± 0,2°C	230 volt units: ± 0,2°C	± 0,3°C	≤ 30 minutes	53,1 x 20,3 x 8,9 cm	30392096	1645,00
HB6AL	6 block	Analog	Low Range: Ambient +5°C to 100°C High Range: 75°C to 150°C	230 volt units: ± 0,2°C	230 volt units: ± 2,5°C	± 0,3°C	≤ 30 minutes	53,1 x 20,3 x 8,9 cm	30392075	1155,00

* Conditions permitting

MODULAR BLOCKS* & ACCESSORIES

Modular blocks are constructed from a solid anodized aluminium block*. The close contact of tubes-to-block walls allow for maximum heat retention. Each block has a thermometer well for measuring block temperature.

Caution! To avoid possible electrical hazard, do not fill well or block with water or other fluids. Units are designed as a dry bath/incubator.

Single block dimensions (L × W × H): 9,5 × 7,6 × 5,1 cm

Double block dimensions (L × W × H): 15,2 × 9,5 × 5,7 cm

Microcentrifuge Tube Blocks

Single block

Brand/Sample Type	No. of Wells	Well Dia.	Well Depth	Item N°	Price €
0,5 ml Tube	30	7,9 mm	27,6 mm	30400157	129,50
1,5 ml Tube	20	11,1 mm	39,1 mm	30400159	129,50
1,5 ml Eppendorf™ Tube	20	11,5 mm	36,9 mm	30400162	129,50
2 ml Eppendorf™ Tube	20	11,5 mm	38,1 mm	30400191	129,50
2 ml Corning™ Tube	20	10,9 mm	38,1 mm	30400192	129,50

Titer Plate Block

Double block

Fits 2/4/6 block Dry Block Heaters. Ideal for 96-well or 384-well titer plates.

Recessed well for better stability, flat surface good for flat and round bottom plates.

Sample Type	Well Depth	Item N°	Price €
Titer Plate	13,5 mm	30400164	269,00

Conical-Bottom Centrifuge Tube Blocks

Single/Sample Type	No. of Wells	Well Dia.	Well Depth	Item N°	Price €
15 ml Tube	12	17,1 mm	44,5 mm	30400172	129,50
50 ml Tube	5	29,0 mm	47,6 mm	30400168	129,50

Standard Test Tube Blocks

Single/Sample Type	No. of Wells	Well Dia.	Well Depth	Item N°	Price €
6 mm Tube	30	8,3 mm	48,4 mm	30400158	129,50
10 mm Tube	24	10,7 mm	48,4 mm	30400151	129,50
12/13 mm Tube	20	13,9 mm	48,4 mm	30400152	129,50
12/13 mm Tube	16	13,9 mm	48,4 mm	30400165	129,50
15/16 mm Tube	12	17,5 mm	48,4 mm	30400153	129,50
17/18 mm Tube	12	19,1 mm	48,4 mm	30400195	129,50
20 mm Tube	8	21,0 mm	48,4 mm	30400154	129,50
25 mm Tube	6	26,2 mm	48,4 mm	30400155	129,50
35 mm Tube	4	35,0 mm	47,6 mm	30400167	129,50

* Block colour subject to change.

Combination Blocks

Single block

These blocks have been designed for variable sized samples.

Sample Type		No. of Wells	Well Dia.	Well Depth	Item N°	Price €
Test Tube Combination	6 mm	6	8,3 mm	48,4 mm	30400156	129,50
	12/13 mm	5	13,8 mm	48,4 mm		
	25 mm	3	26,2 mm	48,4 mm		
Centrifuge Tube Combination	1,5 ml	4	11,1 mm	39,1 mm	30400193	129,50
	15 ml	3	17,1 mm	44,5 mm		
	50 ml	2	29,0 mm	47,6 mm		
Micro-Tube Combination	0,5 ml	6	7,9 mm	27,6 mm	30400194	129,50
	1,5 ml	10	11,1 mm	39,1 mm		
	2 ml	5	11,5 mm	38,1 mm		

30400156



30400193



30400194



Vial Blocks

Single block

Designed for sample/serum and scintillation vials.

Sample Type	No. of Wells	Well Dia.	Well Depth	Item N°	Price €
12 mm Vial	20	12,7 mm	30 mm	30400182	129,50
15 mm Vial	20	15,8 mm	35 mm	30400183	129,50
16 mm Vial	15	16,4 mm	45 mm	30400190	129,50
17 mm Vial	12	17,8 mm	45 mm	30400184	129,50
19 mm Vial	12	19,7 mm	45 mm	30400185	129,50
21 mm Vial	9	21,7 mm	45 mm	30400186	129,50
23 mm Vial	8	23,8 mm	45 mm	30400187	129,50
25 mm Vial	8	25,8 mm	45 mm	30400188	129,50
28 mm Vial	6	28,8 mm	45 mm	30400189	129,50

30400182



30400183



30400190



PCR—Plate, Tube, Strip Blocks

Single and double block

Tapered tube wells for 0,2 ml tubes. Spaced for easy access and removal.

Sample Type	Block Size	No. of Wells	Well Dia.	Well Depth	Item N°	Price €
96-well PCR Plate	Double	96	6,4 mm	15,5 mm	30400171	291,00
10 × 8 Tube Strips	Single	80	6,4 mm	15,5 mm	30400169	140,50
Individual Tubes	Single	64	6,4 mm	20,2 mm	30400170	140,50

30400171



30400169



30400170



Cuvette Block

Single block

Two parallel slots fit 6 cuvettes in each slot, side-by-side

Sample Type	No. of Wells	Well Depth	Item N°	Price €
(12) 12,5 mm Cuvettes	2	25,4 mm	30400161	152,50

30400161



Solid Blocks

Single and double block

For use as a low-temperature hotplate, slide drying, or for custom drilling to make a custom block.

Block Size	Dimensions (L × W × H)	Item N°	Price €
Single	9,5 × 7,6 × 5,1 cm	30400160	129,50
Double	15,2 × 9,5 × 5,7 cm	30400166	187,00

30400160



30400166



Stainless Steel Sand Baths

Ideal for irregular vessels. Stainless steel construction for superior corrosion resistance. Designed to hold sand, stainless steel shot or non-volatile fluids.



For Unit	Dimensions (L × W × H)	Item N°	Price €
1 Block Dry Block Heater	9,5 × 7,6 × 6,4 cm	30400173	281,00
2 Block Dry Block Heater	9,5 × 14,9 × 6,4 cm	30400174	291,00
4 Block Dry Block Heater	14,7 × 19,1 × 6,4 cm	30400175	310,00
6 Block Dry Block Heater	14,7 × 28,7 × 6,4 cm	30400176	322,00
Accessories		Item N°	Price €
Sand, 0,45 kg		30400177	78,00
Stainless Steel Shot, 0,45 kg		30400178	95,20

Low Temperature Covers

Plexiglass cover reduces air flow for additional temperature stability in low-temperature applications. Two sides are open 6,4 mm.



Block Size	Dimensions (L × W × H)	Item N°	Price €
2 Block Cover	16,5 × 16,5 × 4,1 cm	30400179	113,50
4 Block Cover	21,6 × 21,6 × 4,1 cm	30400180	110,50
6 Block Cover	31,8 × 21,6 × 4,1 cm	30400181	117,00

External Temperature Probe Kit

Enables the unit to read actual block or sample temperature and display that temperature on the control panel. The optional External Temperature Probe Kit includes a stainless steel RTD PT100 probe, 45,7 cm stainless steel support rod, thermometer/temperature probe extension clamp and hook connector. The PT100 RTD probe is designed to fit perfectly in to the thermometer well of each modular block.



Description	Item N°	Price €
Optional External Temperature Probe Kit	30400246	243,00

GUARDIAN 7000

Dependable Hotplate Stirrers with Superior Safety Features and Intelligent Performance

Application

Temperature Sensitive Chemistry & Biology, Heat Fixation, Solution pH Optimization, Solution Sterilization, Endothermic Reactions, Denaturing of Organic Material, Sample & Solution Preparation

Display

Backlit LCD Display for temperature, speed and time, green indicator lights when unit is heating and stirring, two prominent hot top indicator lights

Operation

Timer, Stirring from 60 to 1600 rpm, Temperature range of ambient +5°C to 500°C (ceramic top) or 380°C (aluminium top), power cord (included), 20.3 cm stainless steel RTD temperature probe, 3.8 cm PTFE coated stir bar, in-use cover

Construction

Probe connection, SmartHousing™ stays cool to the touch and is chemical resistant, IP21 Ingress Protection, hardened glass front panel, control knobs, On/Off switch for heater disconnect, built-in support rod holder, easy to clean ceramic or aluminium tops

Communication

USB port provides flexibility for programming of repeat applications and enhancing safety with SmartLink™ technology; the long range user detection function operated with the Ohaus Bluetooth dongle accessory (sold separately)

Design Features

Hot top indicator lights, audible alarm, SmartHeat™ temperature limiting function, SafetyHeat™ shuts off heater in the event of malfunction, temperature calibration feature for 5 probe & 5 plate setpoints, temperature priority function, SmartRate™ functions

e-G71HS10C



Protect your lab with SmartPresence™ and SmartLink™ technologies. These exclusive features automatically shut off the heater if no one is detected after a user set "time out" period has passed.

Safely control maximum temperature! The SmartHeat™ feature allows you to set the maximum temperature of the hotplate stirrer preventing overheating of sensitive samples keeping the user & sample safe.

Safeguard operators! The SmartHousing™ remains cool to the touch at all temperature settings. The large hot top light can be seen across the lab and illuminates when the heater is above 40°C.

Model	Description	Item N°	Price €
e-G71HS07C	Guardian 7000 Hotplate-stirrer 17,8x17,8 cm Ceramic	30500603	970,00

Specifications

Temperature Range	Ambient + 5°C – 500°C
Speed Range	60 to 1600 rpm
Timer	1 minute – 99 hours, 59 minutes
Capacity	15 L
Top Plate Material	Ceramic
Top Plate Dimensions	17,8 x 17,8 cm
Temperature Probe	Pt1000 (30500590 included in price)
Temperature Calibration	Temperature Calibration 5 Plate/5 Probe

Model	Description	Item N°	Price €
e-G71HSRDM	Guardian 7000 Hotplate-stirrer Round 13,5 cm Aluminium	30500623	900,00

Specifications

Temperature Range	Ambient + 5°C – 380°C
Speed Range	60 to 1600 rpm
Timer	1 minute – 99 hours, 59 minutes
Capacity	20 L
Top Plate Material	Aluminium
Top Plate Dimensions	round 13,5 cm
Temperature Probe	Pt1000 (30500590 included in price)
Temperature Calibration	Temperature Calibration 5 Plate/5 Probe

Model	Description	Item N°	Price €
e-G71HS10C	Guardian 7000 Hotplate-stirrer 25,4x25,4 cm Ceramic	30500613	1415,00
Specifications			
Temperature Range	Ambient + 5°C – 500°C		
Speed Range	60 to 1600 rpm		
Timer	1 minute – 99 hours, 59 minutes		
Capacity	18 L		
Top Plate Material	Ceramic		
Top Plate Dimensions	25,4 x 25,4 cm		
Temperature Probe	Pt1000 (30500590 included in price)		
Temperature Calibration	Temperature Calibration 5 Plate/5 Probe		

Accessories

Material description	e-G71HS07C	e-G71HS10C	e-G71HSRDM	Item N°	Price €
Base Plate, 135 mm			•	30500570	282,00
Handles, for Base Plate			•	30500571	223,00
Sectional Block, 12 mm Vials			•	30500572	108,00
Sectional Block, 15 mm vials			•	30500573	108,00
Sectional Block, 17 mm Vials			•	30500574	108,00
Sectional Block, 21 mm Vials			•	30500575	108,00
Sectional Block, 28 mm Vials			•	30500576	108,00
Sectional Block, 12 mm Test Tubes			•	30500577	221,00
Sectional Block, 16 mm Test Tubes			•	30500578	221,00
Sectional Block, 20 mm Test Tubes			•	30500579	221,00
Sectional Block, 25 mm Test Tubes			•	30500580	221,00
Uni Block, 12 mm Vials			•	30500581	309,00
Uni Block, 15 mm vials			•	30500582	309,00
Uni Block, 17 mm Vials			•	30500583	309,00
Uni Block, 21 mm Vials			•	30500584	309,00
Uni Block, 28 mm Vials			•	30500585	309,00
Uni Block, 12 mm Test Tubes			•	30500586	347,00
Uni Block, 16 mm Test Tubes			•	30500587	347,00
Uni Block, 20 mm Test Tubes			•	30500588	347,00
Uni Block, 25 mm Test Tubes			•	30500589	347,00
Temperature Probe 20 cm S/S	•	•	•	30500590	123,00
Temperature Probe 20 cm PTFE	•	•	•	30500591	243,00
Temperature Probe 25 cm S/S	•	•	•	30500592	161,50
Temperature Probe 25 cm PTFE	•	•	•	30500593	310,00
In Use Cover Guardian 7x7	•			30500594	50,80
In Use Cover Guardian 10x10		•		30500595	50,80
In Use Cover Guardian Round			•	30500596	50,80
Vessel Clamp	•	•	•	30500597	217,00
Stir Bar Retriever	•	•	•	30500598	44,50
Clamp, Specialty, Nester, CLS-NESTXS	•	•	•	30392318	90,50
Clamp, Specialty, Column, CLS-COLMNSL	•	•	•	30392316	71,00
Clamp, Specialty, Column, CLS-COLMNSM	•	•	•	30392315	70,00
Clamp, Specialty, Column, CLS-COLMNSS	•	•	•	30392314	68,90
Clamp, Specialty, Column, CLS-COLMNSX	•	•	•	30392317	71,00
Ultra Flex Support Kit	•	•	•	30400145	205,00
Support Rod And Clamp Kit	•	•	•	30400146	147,50
Spinbar 2.5 cm PTFE	•	•	•	30400147	10,30
Spinbar 3.8 cm PTFE	•	•	•	30400148	11,60
Spinbar 7 cm PTFE	•	•	•	30400149	42,10
Spinbar 10 cm with Pivot Ring PTFE	•	•	•	30400150	80,30
Wireless Dongle MTICWD-200*	•	•	•	30412537	274,00

*Wireless Dongle accessory required to enable SmartLink™ feature.

GUARDIAN 5000

Reliable Hotplate Stirrers with Exceptional Safety Features for Everyday Use

Application

Water/Oil Bath Preparation, Sample and Solution Preparation, Dissolving Buffers and Reagents, Preparing Media, Concentrating Samples, Boiling Water

Display

Backlit LCD Display for temperature and speed, green indicator lights when unit is heating and stirring, prominent hot top indicator light, probe in use icon, Single Point Calibration icon

Operation

Stirring from 60 to 1600 rpm, Temperature range of ambient +5°C to 500°C (ceramic top) or 380°C (aluminium top), power cord (included), stirring models include a 3.8 cm PTFE coated stir bar

Construction

Probe connection, SmartHousing™ stays cool to the touch and is chemical resistant, IP21 Ingress Protection, polycarbonate front panel, control knobs, On/Off switch for heater disconnect, built-in support rod holder, easy to clean ceramic or aluminium tops

Design Features

Hot top indicator light, audible alarm, SafetyHeat™ protection shuts off the heater in the event of a malfunction, temperature calibration feature for 3 probe and 3 plate setpoints



Safeguard operators! The SmartHousing™ remains cool to the touch at all temperature settings. The large hot top light can be seen across the lab and illuminates when the heater is above 40°C.

All sizes feature the exclusive SafetyHeat™; an industry leading internal protection system that assures safety in heating applications with dual monitoring of system health to protect the lab.

The unique SmartHousing™ stays cool to the touch and is chemical resistant. The easy to clean innovative design channels spills away from internal components and the chemical resistant control panel.

Model	Description	Item N°	Price €
e-G51HS07C	Guardian 5000 Hotplate-stirrer 17,8x17,8 cm Ceramic	30500523	590,00

Specifications

Temperature Range	Ambient + 5°C – 500°C
Speed Range	60 to 1600 rpm
Capacity	15 L
Top Plate Material	Ceramic
Top Plate Dimensions	17,8 x 17,8 cm
Temperature Probe	Available as an Accessory
Temperature Calibration	Temperature Calibration 3 Plate/3 Probe

Model	Description	Item N°	Price €
e-G51ST07C	Guardian 5000 Stirrer 17,8x17,8 cm Ceramic	30500543	433,00

Specifications

Speed Range	60 to 1600 rpm
Capacity	15 L
Top Plate Material	Ceramic
Top Plate Dimensions	17,8 x 17,8 cm
Temperature Probe	Available as an Accessory

Model	Description	Item N°	Price €
e-G51HSRDM	Guardian 5000 Hotplate-stirrer Round 13,5 cm Aluminum	30500563	575,00

Specifications

Temperature Range	Ambient + 5°C – 380°C
Speed Range	60 to 1600 rpm
Capacity	20 L
Top Plate Material	Aluminium
Top Plate Dimensions	round 13,5 cm
Temperature Probe	Available as an Accessory
Temperature Calibration	Temperature Calibration 3 Plate/3 Probe

Model	Description	Item N°	Price €
e-G51HP07C	Guardian 5000 Hotplate 17,8x17,8 cm Ceramic	30500533	433,00

Specifications

Temperature Range	Ambient + 5°C – 500°C
Capacity	15 L
Top Plate Material	Ceramic
Top Plate Dimensions	17,8 × 17,8 cm
Temperature Probe	Available as an Accessory
Temperature Calibration	Temperature Calibration 3 Plate/3 Probe

Model	Description	Item N°	Price €
e-G51HS10C	Guardian 5000 Hotplate-stirrer 25,4x25,4 cm Ceramic	30500553	805,00

Specifications

Temperature Range	Ambient + 5°C – 500°C
Speed Range	60 to 1600 rpm
Capacity	18 L
Top Plate Material	Ceramic
Top Plate Dimensions	25,4 × 25,4 cm
Temperature Probe	Available as an Accessory
Temperature Calibration	Temperature Calibration 3 Plate/3 Probe

Accessories

Material description	e-G51ST07C	e-G51HP07C	e-G51HS07C	e-G51HS10C	e-G51HSRDM	Item N°	Price €
Base Plate, 135 mm					•	30500570	282,00
Handles, for Base Plate					•	30500571	223,00
Sectional Block, 12 mm Vials					•	30500572	108,00
Sectional Block, 15 mm vials					•	30500573	108,00
Sectional Block, 17 mm Vials					•	30500574	108,00
Sectional Block, 21 mm Vials					•	30500575	108,00
Sectional Block, 28 mm Vials					•	30500576	108,00
Sectional Block, 12 mm Test Tubes					•	30500577	221,00
Sectional Block, 16 mm Test Tubes					•	30500578	221,00
Sectional Block, 20 mm Test Tubes					•	30500579	221,00
Sectional Block, 25 mm Test Tubes					•	30500580	221,00
Uni Block, 12 mm Vials					•	30500581	309,00
Uni Block, 15 mm vials					•	30500582	309,00
Uni Block, 17 mm Vials					•	30500583	309,00
Uni Block, 21 mm Vials					•	30500584	309,00
Uni Block, 28 mm Vials					•	30500585	309,00
Uni Block, 12 mm Test Tubes					•	30500586	347,00
Uni Block, 16 mm Test Tubes					•	30500587	347,00
Uni Block, 20 mm Test Tubes					•	30500588	347,00
Uni Block, 25 mm Test Tubes					•	30500589	347,00
Temperature Probe 20 cm S/S		•	•	•	•	30500590	123,00
Temperature Probe 20 cm PTFE		•	•	•	•	30500591	243,00
Temperature Probe 25 cm S/S		•	•	•	•	30500592	161,50
Temperature Probe 25 cm PTFE		•	•	•	•	30500593	310,00
In Use Cover Guardian 7x7	•	•	•			30500594	50,80
In Use Cover Guardian 10x10				•		30500595	50,80
In Use Cover Guardian Round					•	30500596	50,80
Vessel Clamp	•	•	•	•	•	30500597	217,00
Stir Bar Retriever	•		•	•	•	30500598	44,50
Clamp, Specialty, Nester, CLS-NESTXS	•	•	•	•	•	30392318	90,50
Clamp, Specialty, Column, CLS-COLMNSL	•	•	•	•	•	30392316	71,00
Clamp, Specialty, Column, CLS-COLMNSM	•	•	•	•	•	30392315	70,00
Clamp, Specialty, Column, CLS-COLMNSS	•	•	•	•	•	30392314	68,90
Clamp, Specialty, Column, CLS-COLMNSX	•	•	•	•	•	30392317	71,00
Ultra Flex Support Kit	•	•	•	•	•	30400145	205,00
Support Rod And Clamp Kit	•	•	•	•	•	30400146	147,50
Spinbar 2.5 cm PTFE	•		•	•	•	30400147	10,30
Spinbar 3.8 cm PTFE	•		•	•	•	30400148	11,60
Spinbar 7 cm PTFE	•		•	•	•	30400149	42,10
Spinbar 10 cm with Pivot Ring PTFE	•		•	•	•	30400150	80,30

GUARDIAN 3000

Affordable Digital Hotplate Stirrers Designed for Safety, Powerful Stirring and Fast Heating

Application

Boiling Liquids, Water/Oil Bath Preparation, Sample and Solution Preparation, Dissolving Buffers and Reagents, Preparing Media, Concentrating Samples

Display

Backlit LCD Display for temperature and speed, green indicator lights when unit is heating and stirring, prominent hot top indicator light, probe in use icon, Single Point Calibration icon

Operation

Stirring from 80 to 1600 rpm, temperature range of ambient +5°C to 500°C (ceramic top) or 380°C (ceramic coated stainless steel top), power cord (included), stirring models include one PTFE coated stir bar

Construction

Durable metal housing, PET front panel, control knobs, ON/OFF switch for heater disconnect, built-in support rod holder, easy to clean ceramic or ceramic coated stainless steel tops

Design Features

Hot top indicator light to protect user, green indicator lights illuminate when unit is heating and stirring, temperature probe connector for use with optional temperature probe



Industry leading safety at affordable prices. Guardian 3000 units offer safety, controlled heating and powerful stirring for general laboratory use - all at a competitive price point.

SafetyHeat™ protects the lab. An industry-leading early detection system uses two independent safety controls to monitor the electronics and stop heating before an overtemperature condition occurs.

Designed to last - the rugged metal housing has a spill-resistant design for long life in the lab under harsh conditions. The smooth, chemical-resistant ceramic top makes for easy clean ups.

Model	Description	Item N°	Price €
e-G31HS04C	Guardian 3000 Hotplate-stirrer 10,2x10,2 cm Ceramic	30680280	480,00

Specifications

Temperature Range	Ambient + 5°C – 500°C
Speed Range	80 to 1600 rpm
Capacity	15 L
Top Plate Material	Ceramic
Top Plate Dimensions	10,2 x 10,2 cm
Temperature Probe	Available as an Accessory
Temperature Calibration	Temperature Calibration 1 Plate/1 Probe

Model	Description	Item N°	Price €
e-G31HS07C	Guardian 3000 Hotplate-stirrer 17,8x17,8 cm Ceramic	30680279	500,00

Specifications

Temperature Range	Ambient + 5°C – 500°C
Speed Range	80 to 1600 rpm
Capacity	15 L
Top Plate Material	Ceramic
Top Plate Dimensions	17,8 x 17,8 cm
Temperature Probe	Available as an Accessory
Temperature Calibration	Temperature Calibration 1 Plate/1 Probe

Model	Description	Item N°	Price €
e-G31HSRDS	Guardian 3000 Hotplate-stirrer Round 13,5 cm Ceramic Coated Stainless Steel	30680278	460,00
Specifications			
Temperature Range	Ambient + 5°C – 380°C		
Speed Range	80 to 1600 rpm		
Capacity	15 L		
Top Plate Material	Ceramic Coated Stainless Steel		
Top Plate Dimensions	round 13,5 cm		
Temperature Probe	Available as an Accessory		
Temperature Calibration	Temperature Calibration 1 Plate/1 Probe		

Accessories

Material description	e-G31HS04C	e-G31HS07C	e-G31HSRDS	Item N°	Price €
Base Plate 135 mm			•	30500570	282,00
Handles for Base Plate			•	30500571	223,00
Sectional Block 12 mm Vials			•	30500572	108,00
Sectional Block 15 mm vials			•	30500573	108,00
Sectional Block 17 mm Vials			•	30500574	108,00
Sectional Block 21 mm Vials			•	30500575	108,00
Sectional Block 28 mm Vials			•	30500576	108,00
Sectional Block 12 mm Test Tubes			•	30500577	221,00
Sectional Block 16 mm Test Tubes			•	30500578	221,00
Sectional Block 20 mm Test Tubes			•	30500579	221,00
Sectional Block 25 mm Test Tubes			•	30500580	221,00
Uni Block 12 mm Vials			•	30500581	309,00
Uni Block 15 mm vials			•	30500582	309,00
Uni Block 17 mm Vials			•	30500583	309,00
Uni Block 21 mm Vials			•	30500584	309,00
Uni Block 28 mm Vials			•	30500585	309,00
Uni Block 12 mm Test Tubes			•	30500586	347,00
Uni Block 16 mm Test Tubes			•	30500587	347,00
Uni Block 20 mm Test Tubes			•	30500588	347,00
Uni Block 25 mm Test Tubes			•	30500589	347,00
Clamp, Specialty, Rod, CLS-RODS**			•	30392233	36,70
Temperature Probe 20 cm S/S	•	•	•	30500590	123,00
Temperature Probe 20 cm PTFE	•	•	•	30500591	243,00
Temperature Probe 25 cm S/S	•	•	•	30500592	161,50
Temperature Probe 25 cm PTFE	•	•	•	30500593	310,00
Vessel Clamp	•	•	•	30500597	217,00
Stir Bar Retriever	•	•	•	30500598	44,50
Clamp, Specialty, Column, CLS-COLMNSS	•	•	•	30392314	68,90
Clamp, Specialty, Column, CLS-COLMNSM	•	•	•	30392315	70,00
Clamp, Specialty, Column, CLS-COLMNSL	•	•	•	30392316	71,00
Clamp, Specialty, Column, CLS-COLMNSX	•	•	•	30392317	71,00
Clamp, Specialty, Nester, CLS-NESTXS	•	•	•	30392318	90,50
Spinbar 2.5 cm PTFE	•	•	•	30400147	10,30
Spinbar 3.8 cm PTFE	•	•	•	30400148	11,60
Spinbar 7 cm PTFE	•	•	•	30400149	42,10
Spinbar 10 cm with Pivot Ring PTFE	•	•	•	30400150	80,30
Spinbar 3.8 cm with Pivot Ring PTFE*	•	•	•	30726783	62,00
Holder Kit Thermometer e-G31	•	•	•	30692826	55,40

* pack of 5 spinbars

** 30392233 is for use with the 30500570 Base Plate only

GUARDIAN 2000

Rugged and Reliable Analog Hotplates and Stirrers for General Purpose Heating and Stirring

Application

Boiling Liquids, Basic Sample and Solution Preparation, Dissolving Buffers and Reagents, Preparing Media, Concentrating Samples

Display

Prominent hot top indicator light, green indicator lights when unit is heating and stirring

Operation

Simple knob control, stirring up to 1600 rpm, temperature up to 500°C (ceramic top) or 380°C (ceramic coated stainless steel top), power cord (included), stirring models include PTFE coated stir bar

Construction

Durable metal housing, PET front panel, control knobs, ON/OFF switch for heater disconnect, built in support rod holder, easy to clean resin, ceramic or ceramic coated stainless steel tops

Design Features

Hot top indicator light to protect user, green indicator lights illuminate when unit is heating and stirring



Powerful stirring and fast heating at an economical price. Safely heat up to 500°C and stir up to 15L with easy to use knob control for simple and reliable everyday heating and stirring in the lab.

Designed to last - the rugged metal housing has a spill resistant design for long life in the lab under harsh conditions. The smooth, chemical-resistant ceramic top plate is perfect for easy clean up.

Safety is of utmost importance - the prominent hot top indicator light illuminates when the heater is above 40°C, keeping the end user safe during all heating applications.

Model	Description	Item N°	Price €
e-G21HS04C	Guardian 2000 Hotplate-stirrer 10,2x10,2 cm Ceramic	30680271	347,00
Specifications			
Temperature Range	70°C – 500°C		
Speed Range	200 to 1600 rpm		
Capacity	15 L		
Top Plate Material	Ceramic		
Top Plate Dimensions	10,2 x 10,2 cm		
Model	Description	Item N°	Price €
e-G21ST04R	Guardian 2000 Stirrer 10,2x10,2 cm Resin	30680277	298,00
Specifications			
Speed Range	200 to 1600 rpm		
Capacity	15 L		
Top Plate Material	Resin		
Top Plate Dimensions	10,2 x 10,2 cm		
Model	Description	Item N°	Price €
e-G21HP04C	Guardian 2000 Hotplate 10,2x10,2 cm Ceramic	30680274	283,00
Specifications			
Temperature Range	70°C – 500°C		
Capacity	15 L		
Top Plate Material	Ceramic		
Top Plate Dimensions	10,2 x 10,2 cm		

Model	Description	Item N°	Price €
e-G21HS07C	Guardian 2000 Hotplate-stirrer 17,8x17,8 cm Ceramic	30680270	374,00
Specifications			
Temperature Range	70°C – 500°C		
Speed Range	200 to 1600 rpm		
Capacity	15 L		
Top Plate Material	Ceramic		
Top Plate Dimensions	17,8 x 17,8 cm		
Model	Description	Item N°	Price €
e-G21ST07R	Guardian 2000 Stirrer 17,8x17,8 cm Resin	30680276	363,00
Specifications			
Speed Range	200 to 1600 rpm		
Capacity	15 L		
Top Plate Material	Resin		
Top Plate Dimensions	17,8 x 17,8 cm		
Model	Description	Item N°	Price €
e-G21HP07C	Guardian 2000 Hotplate 17,8x17,8 cm Ceramic	30680273	321,00
Specifications			
Temperature Range	70°C – 500°C		
Capacity	15 L		
Top Plate Material	Ceramic		
Top Plate Dimensions	17,8 x 17,8 cm		
Model	Description	Item N°	Price €
e-G21HSRDS	Guardian 2000 Hotplate-stirrer Round 13,5 cm Ceramic Coated Stainless Steel	30680269	337,00
Specifications			
Temperature Range	50°C – 380°C		
Speed Range	200 to 1600 rpm		
Capacity	15 L		
Top Plate Material	Ceramic Coated Stainless Steel		
Top Plate Dimensions	13,5 cm diameter		
Model	Description	Item N°	Price €
e-G21STRDS	Guardian 2000 Stirrer Round 13,5 cm Ceramic Coated Stainless Steel	30680275	363,00
Specifications			
Speed Range	200 to 1600 rpm		
Capacity	15 L		
Top Plate Material	Ceramic Coated Stainless Steel		
Top Plate Dimensions	13,5 cm diameter		
Model	Description	Item N°	Price €
e-G21HPRDS	Guardian 2000 Hotplate Round 13,5 cm Ceramic Coated Stainless Steel	30680272	257,00
Specifications			
Temperature Range	50°C – 380°C		
Capacity	15 L		
Top Plate Material	Ceramic Coated Stainless Steel		
Top Plate Dimensions	13,5 cm diameter		

Accessories

Material description	e-G21ST04R	e-G21HP04C	e-G21HS04C	e-G21ST07R	e-G21HP07C	e-G21HS07C	e-G21STRDS	e-G21HPRDS	e-G21HSRDS	Item N°	Price €
Vessel Clamp	•	•	•	•	•	•	•	•	•	30500597	217,00
Stir Bar Retriever	•		•	•		•	•	•	•	30500598	44,50
Spinbar 2.5 cm PTFE	•		•	•		•	•		•	30400147	10,30
Spinbar 3.8 cm PTFE	•		•	•		•	•		•	30400148	11,60
Spinbar 7 cm PTFE	•		•	•		•	•		•	30400149	42,10
Spinbar 10 cm with Pivot Ring PTFE	•		•	•		•	•		•	30400150	80,30
Holder Kit Thermometer e-G31		•	•		•	•		•	•	30692826	55,40
Spinbar with a Pivot 3.8 cm PTFE *	•		•	•		•	•		•	30726783	62,00

* pack of 5 spinbars



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ACHIEVER 5000

Reliable Overhead Stirrers with Excellent Performance for Everyday Use

Application

Stirring, dissolving, dispersion, emulsification and homogenization in the food and beverage, cosmetic, paint/coatings, pharmaceutical, chemical, glue/adhesive, plastics/polymer and cement/construction industries. Used for pilot scale in manufacturing.

Display

Bright LED digital display for speed, real time torque tendency LED indicator bar, and integrated timer

Operation

Stirring from 6 rpm to 2000 rpm with speed accuracy of 1 rpm and maximum torque from 20 Ncm to 200 Ncm depending on model, stable torque at any speed, and volume capacity ranging from 25l to 100l

Construction

Sealed aluminum housing with IP54 ingress protection rating, Keyless Chuck for simple, one-hand operation, brushless motor for quiet operation, and main power switch

Design Features

Compact design for easy handling, simple knob control, lock button to prevent unintentional setting changes, full protection for overload, overtemperature and overcurrent conditions



Powerful mixing and constant speed is assured with the brushless motor and torque compensation technology - delivering accurate, controlled stirring of viscous liquids with quiet operation.

Simplify set up with the Keyless Chuck - no tools required. Change shafts quickly and easily with one handed operation. This unique design will save time and effort for everyone in the lab.

Designed for safety. The lock button prevents accidental speed changes and the motor's overload sensing technology simply shuts off stirring before an overload condition occurs to protect the sample.

Model	Stirring Speed Range	Stirring Volume (H ₂ O)	Maximum Viscosity (cP or mPa's)	Maximum Torque (Ncm)	Item N°	Price €
e-A51ST020	30-2000 rpm	up to 25 l	10 000	20	30586763	1065,00
e-A51ST040	30-2000 rpm	up to 25 l	25 000	40	30586764	1140,00
e-A51ST060	30-2000 rpm	up to 40 l	50 000	60	30586765	1290,00
e-A51ST100	30-1300 rpm	up to 100 l	70 000	100	30586766	1790,00
e-A51ST200	6-400 rpm (I), 30-2000 rpm (II)	up to 100 l	100 000	200	30586767	2060,00

Accessories	Item N°	Price €
Support Stand Universal-H	30586771	279,00
Support Stand Telescopic-H	30586772	535,00
Clamp Double	30586773	58,40
Clamp Ribbon	30586774	85,10
Stirrer Shaft 40x0,7 cm, Anchor Blade	30586775	80,60
Stirrer Shaft 40x0,7 cm, Fixed Blade	30586776	85,10
Stirrer Shaft 40x0,7 cm, Floating Blade	30586777	95,60
Stirrer Shaft 40x0,7cm, Folding Blade	30586778	95,60
Stirrer Shaft 51x0,7cm, Paddle 6 Holes	30586779	99,10
Stirrer Shaft 40x0.7 cm, Propeller	30586780	101,50
Stirrer Shaft 45x0.7 cm, Turbine	30586781	170,00
Stirrer Shaft 45x0.7 cm, Turbo Propeller	30586782	170,00
Chuck Cover e-A51	30586842	75,90



30586771



30586772



30586773



30586774



30586775



30586776



30586777



30586778



30586779



30586780



30586781



30586782



30586842

BEAD MILL HOMOGENIZERS

Provides Simple and Powerful Solutions for Rapid High Throughput Grinding

Application

DNA, RNA and Protein Analysis (from mammalian tissue, plant, soil, seed, fungi, bacteria, virus and other cells), Cell Lysing, PCR, Gene Expression

Display

Easy-to-read LED display allows the operator to view speed and time settings

Operation

Five pre-set program buttons and touchpad controls for speed and time

Construction

Polyurethane Elastomer top housing, Cyclopol bottom housing, and Lexan lid

Design Features

Microprocessor-controlled unit includes sample clamp and hex key



For high performance grinding, the HT Lysing Homogenizer is one of the most flexible models on the market. The built-in adjustable holder allows for easy processing of samples – no accessories needed.

This versatile Homogenizer allows high throughput grinding, and is ideal for processing multiple tubes, microplates, deep-well plates, or any sample container that fits in the 10,2x12,7x6,4 cm holder.

Take the guesswork out of sample preparation. Five preset programs optimized for speed and time to process the most common samples, including bacteria, fungi, plant, and animal tissue easily.

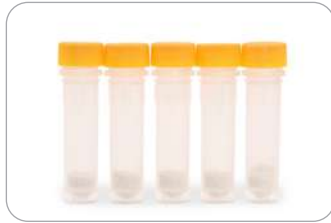
Model	Type	Speed Range	Motion	Timer	Maxamim Capacity	Dimensions (L x W x H)	Item N°	Price €
HOHTDG	HT (High Throughput) Lysing	300 to 1600 rpm (1 rpm increments)	Reciprocal, vertical, 31 mm	1 second to 10 minutes (1 second increments)	300 g	44,6 x 28,6 x 51,8 cm	30391396	8825,00

Accessories

Material description	Item N°	Price €
Lysing skirted tube for bacteria, 2 ml, white cap, DNase/RNase free, 100 µm Zirconium Beads, 100/box	30391402	350,00
Lysing skirted tube for yeast, 2 ml, yellow cap, DNase/RNase free, 400 µm Zirconium Beads, 100/box	30391404	350,00
Lysing skirted tube for fungi, 2 ml, blue cap, DNase/RNase free, 800 µm Zirconium Beads, 100/box	30391405	350,00
Lysing skirted tube for soft sample, 2 ml, orange cap, DNase/RNase free, 1,4 mm Zirconium Beads, 100/box	30391406	350,00
Lysing skirted tube for plant, 2 ml, green cap, DNase/RNase free, 3 mm Zirconium Beads, 100/box	30391408	350,00
Lysing skirted tube for animal tissue, 2 ml, red cap, DNase/RNase free, 3 mm Stainless Steel Grinding Balls, 100/box	30391409	350,00
Lysing skirted tube for environmental sample, 2 ml, brown cap, DNase/RNase free, 100 µm/800 µm/3 mm Zirconium Beads, 100/box	30391410	350,00
Tube Rack, 25 x 2 ml Tubes, 2 per pack	30391431	13,40
Sample Tube Kit, 14 Tubes; 2 each of White, Yellow, Blue, Orange, Green, Red, and Brown	30391433	46,10



30391402



30391404



30391405



30391406



30391408



30391409



30391410



30391431



30391433

FRONTIER 5000 SERIES MULTI PRO

Powerful and Versatile Universal Centrifuges for Virtually Every Lab Application

Application

Centrifugal Separation, General Sample Preparation, Cell Pelleting, Protein Separation, Nucleic Acid Separation, Cell Concentrating, Chemical Separation, Diagnostics, Environmental Sample Preparation, Blood Sample Processing

Display

Backlit Liquid Crystal Display (LCD)

Operation

AC Power (included)

Construction

Corrosion-resistant stainless steel chamber with Polycarbonate/ABS plastic lid

Design Features

Ten acceleration & deceleration rates, selection of running time from 10s to 99h 59min or continuous, quick spin, CFC-free refrigeration system, sample temp. indication (refrigerated models), lid-locking system, over-speed protection, dual imbalance sensing

Shortcut list:

ID – auto rotor identification

Hi – version with higher speed

Vac – Vacutainer

FA – Conical bottom/Falcon

FB – Flat bottom

RB – Round bottom

Rim – Skirted conical bottom

Sar – Sarstedt



Our multi-purpose centrifuges offer a high-speed centrifugation platform which can be customized to fit workflow needs using a wide variety of rotors and accessories.

The intuitive design of the centrifuges & accessories enable easy access to parameter settings, and quick rotation between applications.

The performance of these centrifuges is propelled by German engineering, and high-quality components for reliable use.

Model	Material Description	Item N°	Price €
FC5916	Multi Pro Centrifuge FC5916, max RPM 16000, max RCF 24325 x g	30553036	6265,00
FC5916R	Multi Pro Centrifuge FC5916R, max RPM 16000, max RCF 26331 x g, refrigerated	30553101	9275,00
FC5816	Multi Pro Centrifuge FC5816, max RPM 15000, max RCF 21379 x g	30314816	4460,00
FC5816R	Multi Pro Centrifuge FC5816R, max RPM 16000, max RCF 24325 x g, refrigerated	30314818	7505,00
FC5718	Multi Pro Centrifuge FC5718, max RPM 18000, max RCF 23542 x g	30314812	3910,00
FC5718R	Multi Pro Centrifuge FC5718R, max RPM 18000, max RCF 23542 x g, refrigerated	30314814	6765,00
FC5714	Multi Pro Centrifuge FC5714, max RPM 14000, max RCF 18624 x g	30314810	2875,00

Accessories

Material description	Item N°	Price €
Rotor, Swing Out, 4x750ml, ID, Sealable (FC5916 and FC5916R only)	30553085	1535,00
Bucket, MTP, 2/pk, V1	30553104	1085,00
Bucket, MTP, 2/pk, V2	30553119	505,00
Bucket, 1x750ml D99mm FB, 2/pk, V1	30602502	675,00
Rack, 1x500ml D96mm FA, 2/pk	30553124	261,00
Rack, 1x250ml D62mm FB, 2/pk, V1	30553125	305,00
Rack, 1x175/225ml D61mm FA, 2/pk	30553126	261,00
Rack, 3x100ml D41mm RB, 2/pk	30553127	305,00
Rack, 5x50ml D29mm FA, 2/pk	30553128	261,00
Rack, 5x50ml D29mm FAw/R, 2/pk	30553129	261,00
Rack, 7x50ml D29mm FA, 2/pk	30553130	305,00
Rack, 7x50ml D29mm RB, 2/pk	30553131	305,00
Rack, 8x30ml D26mm RB, 2/pk	30553132	305,00
Rack, 14x15ml D17mm FA, 2/pk	30553133	261,00
Rack, 17x15ml D17mm FA, 2/pk	30553134	261,00
Rack, 18x15ml D17mm RB, 2/pk	30553135	305,00
Rack, 21x10ml D16mm RB, 2/pk	30553136	305,00
Rack, 32x7ml D13mm RB, 2/pk	30553138	305,00
Rack, 27x1.8/7ml D13mm Vac/Sar, 2/pk	30553139	261,00
Rack, 18x4/10ml D16mm Vac/Sar, 2/pk	30553140	261,00
Rack, 38x1.1/1.4ml D8mm Sar, 2/pk	30559377	261,00
Holder, Removing aid for Bucket 30553104, SS, 2/pk	30553105	173,50
Lid Assembly for bucket 30553104 PC, 2/pk	30553117	231,00
O-Ring for bucket 30553104 SIL, 2/pk	30553118	118,50
Lid Assembly for bucket 30602502 PC, 2/pk	30553122	173,50
O-Ring for bucket 30602502 NBR, 10/pk	30553123	92,50
Rotor, Angle, 4x500ml, ID (FC5916 and FC5916R only)	30553086	3035,00
Adapter, 1x250ml D60.5mm FA, 2/pk	30559416	173,50
Adapter, 1x175/225 ml D61.5mm FA, 2/pk	30559417	173,50
Adapter, 1x50ml D29.5mm FA, 2/pk	30559419	173,50
Adapter, 3x50ml D29mm RB, 2/pk	30559420	173,50
Adapter, 4x30ml D25.5mm RB, 2/pk	30559421	173,50
Adapter, 6x15ml D17mm FA, 2/pk	30559422	173,50
Adapter, 1x250ml D61.5mm FB, 2/pk	30564850	185,00
Rotor, Swing out, 4x250ml, ID (FC5816 and FC5816R only)	30314820	1130,00
Rack, 8x4-10ml D16mm Vac, 2/pk	30304367	249,00
Adapter, 9x1.5/2.0ml D11mm, 2/pk	30304368	249,00
Screw Cap, Rack of 250ml Rotor, 2/pk	30314901	77,70
O-ring, Rack of 250ml Rotor, 10/pk	30314902	32,90
Rack, 1x250ml D62mm FB, 2/pk	30314903	249,00
Rack, 1x100ml D41mm RB, 2/pk	30314904	249,00
Rack, 3x50ml D29mm RB, 2/pk	30314905	249,00
Rack, 3x50ml D29mm FA, 2/pk	30314906	249,00
Rack, 1x50ml D34mm RB, 2/pk, v3	30314907	249,00
Rack, 2x50ml D29mm Rim, 2/pk	30314908	249,00
Rack, 1x50ml D29mm Rim, 2/pk, v3	30314909	249,00
Rack, 5x25ml D24.5mm RB, 2/pk	30314910	249,00
Rack, 3x25ml D24.5mm Rim, 2/pk	30314911	249,00
Rack, 9x15ml D17mm RB, 2/pk	30314912	249,00
Rack, 7x15ml D17mm FA, 2/pk	30314913	249,00
Rack, 7x15ml D17mm Rim, 2/pk	30314914	249,00
Rack, 8x10ml D16mm RB, 2/pk	30314915	249,00
Rack, 14x5-7ml D13mm RB, 2/pk	30314916	249,00
Rack, 10x1.6-7ml D13mm Vac, 2/pk	30314917	249,00
Rotor, Swing out, 16x50ml, ID (FC5816 and FC5816R only)	30314828	1665,00
Rack, 4x50ml D29mm FA, 2/pk	30304375	282,00
Rack, 10x15ml D17mm FA, 2/pk	30314583	282,00
Rack, 14x5-7ml D13mm Vac/Sar, 2/pk	30314584	282,00
Rack, 12x4-10ml D16mm Vac/Sar, 2/pk	30314585	282,00
Rotor, Swing out, 4x100ml, ID (FC5714, FC5718, and FC5718R only)	30314822	945,00
Rack, 1x100ml D46mm RB, 2/pk	30314842	180,00
Rack, 1x85ml D38mm RB, 2/pk	30314843	180,00
Rack, 1x50ml D34mm RB, 2/pk	30314844	180,00
Rack, 1x50ml D29mm RB, 2/pk	30314845	180,00
Rack, 1x50ml D29mm FA, 2/pk	30314846	180,00
Rack, 1x50ml D29mm Rim, 2/pk	30314847	180,00
Rack, 1x30ml D25mm Rim, 2/pk	30314848	180,00
Rack, 1x25ml D25mm RB, 2/pk	30314849	180,00
Rack, 2x15ml D17mm FA, 2/pk	30314850	180,00
Rack, 1x15ml D17mm Rim, 2/pk	30314851	180,00
Rack, 7x15ml D17mm RB, 2/pk	30314852	180,00

Material description	Item N°	Price €
Rack, 9x5-7ml D13mm RB, 2/pk	30314853	180,00
Rack, 10x1.5ml D11mm, 2/pk	30314854	180,00
Rack, 9x4.5ml D12mm FB, 2/pk	30314855	180,00
Rack, 7x5-7ml D13mm RB, 2/pk	30314856	180,00
Rack, 7x5-7ml D13mm Vac, 2/pk	30314857	180,00
Rack, 5x4-10ml D16mm Sar, 2/pk	30314858	180,00
Rotor, Swing out, 4x100ml, ID, Sealable (FC5714, FC5718, and FC5718R only)	30314823	795,00
Bucket, 100ml w/o Cap, 2/pk	30314860	201,00
Bucket, 100ml w/ Cap, Sealable, 2/pk	30314861	230,00
Screw Cap, 100ml Bucket, Sealable, 2/pk	30314862	68,30
O-ring, 100ml Bucket, Sealable, 10/pk	30314863	27,40
Rack, 1x100ml D40mm RB, 2/pk	30314864	161,00
Rack, 1x85ml D38mm RB, 2/pk, v2	30314865	161,00
Rack, 1x50ml D34mm RB, 2/pk, v2	30314866	161,00
Rack, 1x50ml D29mm RB, 2/pk, v2	30314867	161,00
Rack, 1x50ml D29mm FA, 2/pk, v	30314868	161,00
Rack, 1x50ml D29mm Rim, 2/pk, v2	30314869	161,00
Rack, 1x30ml D25mm Rim, 2/pk, v2	30314870	161,00
Rack, 1x25ml D25mm RB, 2/pk, v2	30314871	161,00
Rack, 1x15ml D17mm FA, 2/pk	30314872	161,00
Rack, 2x15ml D17mm FA, 2/pk, v2	30314873	161,00
Rack, 2x15ml D17mm Rim, 2/pk	30314874	161,00
Rack, 4x15ml D17mm RB, 2/pk	30314875	161,00
Rack, 7x5-7ml D13mm RB, 2/pk, v2	30314876	161,00
Rack, 5x1.5ml D11mm, 2/pk	30314877	161,00
Rack, 3x10ml D17mm Sar, 2/pk	30314878	195,00
Rack, 4x5-7ml D13mm RB, 2/pk	30314879	161,00
Rack, 4x10ml D17mm Vac, 2/pk	30314880	161,00
Bucket, 2x50ml D29mm FA, w/ Rack, 2/pk	30314881	263,00
Bucket, 3x15ml D17mm FA, w/ Rack, 2/pk	30314882	225,00
Rotor, Swing out, 2x3MTP, w/ bucket, ID	30314824	1370,00
Bucket, 3xMTP, 2/pk	30314890	473,00
Adapter, 48x1.5/2.0ml D11mm, 2/pk	30314891	429,00
Rotor, Angle, 6x250ml FB, ID (FC5816, FC5816R, FC5916 and FC5916R only)	30314821	2750,00
Adapter, 15x1.5/2.0ml D11mm MTB, 2/pk	30559412	193,00
Adapter, 1x175/225ml D61mm FA, 2/pk	30559414	193,00
Adapter, 8x1.5ml D11mm, 2/pk	30304369	193,50
Adapter, 5x10ml D16mm RB, 2/pk	30304370	193,50
Adapter, 4x15ml D17mm FA, 2/pk	30304371	193,50
Adapter, 2x30ml D26mm RB, 2/pk	30304372	193,50
Adapter, 1x50ml D29mm RB, 2/pk	30304373	193,50
Adapter, 1x50ml D30mm FA, 2/pk	30304374	193,50
Rotor, Angle, 6x85ml RB, ID (FC5718, FC5718R, FC5816, FC5816R, FC5916 and FC5916R only)	30314826	1615,00
Adapter, 1x15ml D17mm RB, 2/pk	30314893	98,30
Adapter, 1x30ml D25mm RB, 2/pk	30314894	98,30
Adapter, 1x50ml D29mm RB, 2/pk, v2	30314895	98,30
Adapter, 1x50ml D29mm FA, 2/pk	30314896	98,30
Adapter, 1x15ml D17mm FA, 2/pk	30314897	98,30
Adapter, 2x15ml D17mm RB, 2/pk	30314898	98,30
Adapter, 1x16ml D18mm RB, 2/pk	30314899	98,30
Rotor, Angle, 10x50ml FA, ID (FC5718, FC5718R, FC5816, FC5816R, FC5916 and FC5916R only)	30314829	1975,00
Adapter, 1x1.5/2.0ml D11mm, 6/pk	30130886	85,20
Adapter, 1x7ml D13.5mm RB, 2/pk	30130889	52,30
Adapter, 1x5ml D13.5mm, 2/pk	30130890	45,90
Adapter, 1x15ml D17mm RB, 2/pk, V2	30472300	83,80
Adapter, 1x15ml D17mm FA, 2/pk, V2	30472307	83,80
Rotor, Angle, 4x85ml RB, ID, Hi (FC5718, FC5718R, FC5816, FC5816R, FC5916 and FC5916R only)	30314827	1595,00
Adapter, 1x15ml D17mm RB, 2/pk	30314893	98,30
Adapter, 1x30ml D25mm RB, 2/pk	30314894	98,30
Adapter, 1x50ml D29mm RB, 2/pk, v2	30314895	98,30
Adapter, 1x50ml D29mm FA, 2/pk	30314896	98,30
Adapter, 1x15ml D17mm FA, 2/pk	30314897	98,30
Adapter, 2x15ml D17mm RB, 2/pk	30314898	98,30
Adapter, 1x16ml D18mm RB, 2/pk	30314899	98,30
Rotor, Angle, 6x50ml RB, ID, Hi (FC5718, FC5718R, FC5816, FC5816R, FC5916 and FC5916R only)	30314831	1445,00
Adapter, 1x30ml D26mm, 2/pk	30130891	108,00
Adapter, 1x16ml D18mm, 2/pk	30130892	108,00
Adapter, 1x15ml D17mm, 2/pk	30130893	108,00
Adapter, 1x15ml D17,5mm FA, 2/pk	30314892	108,00
Rotor, Angle, 20x10ml RB, ID, Hi (FC5718, FC5718R, FC5816, FC5816R, FC5916 and FC5916R only)	30314833	1580,00
Rotor, Angle, 44x1.5/2.0ml, ID V2 (FC5718, FC5718R, FC5816, FC5816R, FC5916 and FC5916R only)	30372718	915,00

Material description	Item N°	Price €
Adapter, 1x0.2/0.4ml D6mm, 6/pk	30130884	43,50
Adapter, 1x0.5ml D8mm, 6/pk	30130885	43,50
Rotor, Angle, 30x1.5/2.0ml, ID, Sealable (FC5714, FC5718, FC5718R, FC5916 and FC5916R only)	30314836	1035,00
Adapter, 1x0.2/0.4ml D6mm, 6/pk	30130884	43,50
Adapter, 1x0.5ml D8mm, 6/pk	30130885	43,50
Rotor, Angle, 30x15ml RB/FA, ID (FC5714, FC5718, FC5718R, FC5816 and FC5816R only)	30314832	1125,00
Adapter, 1x9-10ml D16mm Vac/Sar, 2/pk	30211180	34,80
Adapter, 1x1.5/2.0ml D11mm, 6/pk	30130886	85,20
Adapter, 1x7ml D13.5mm RB, 2/pk	30130889	52,30
Adapter, 1x5ml D13.5mm, 2/pk	30130890	45,90
Rotor, Angle, 24x1.5/2.0ml, ID, BIOSEALS	30642361	680,00
Adapter, 1x0.2/0.4ml D6mm, 6/pk	30130884	43,50
Adapter, 1x0.5ml D8mm, 6/pk	30130885	43,50
Adapter, 1x0.2/0.4ml D6mm, 6/pk	30130884	43,50
Adapter, 1x0.5ml D8mm, 6/pk	30130885	43,50
Rotor, Angle, 6x85ml RB, ID, Hi (FC5718 and FC5718R only)	30314825	1855,00
Adapter, 1x15ml D17mm RB, 2/pk	30314893	98,30
Adapter, 1x30ml D25mm RB, 2/pk	30314894	98,30
Adapter, 1x50ml D29mm RB, 2/pk, v2	30314895	98,30
Adapter, 1x50ml D29mm FA, 2/pk	30314896	98,30
Adapter, 1x15ml D17mm FA, 2/pk	30314897	98,30
Adapter, 2x15ml D17mm RB, 2/pk	30314898	98,30
Adapter, 1x16ml D18mm RB, 2/pk	30314899	98,30
Rotor, Angle, 6x50ml RB/FA, ID (FC5714, FC5718, and FC5718R only)	30314830	690,00
Adapter, 1x1.5/2.0ml D11mm, 6/pk	30130886	85,20
Adapter, 1x7ml D13.5mm RB, 2/pk	30130889	52,30
Adapter, 1x5ml D13.5mm, 2/pk	30130890	45,90
Adapter, 1x30ml D26mm, 2/pk	30130891	108,00
Adapter, 1x16ml D18mm, 2/pk	30130892	108,00
Adapter, 1x15ml D17mm, 2/pk	30130893	108,00
Adapter, 1x15ml D17mm RB/FA, 2/pk, v2	30130894	74,70
Rotor, Angle, 12x15ml RB/FA, ID (FC5714, FC5718, and FC5718R only)	30314834	705,00
Adapter, 1x1.5/2.0ml D11mm, 6/pk	30130886	85,20
Adapter, 1x7ml D13.5mm RB, 2/pk	30130889	52,30
Adapter, 1x5ml D13.5mm, 2/pk	30130890	45,90
Rotor, Angle, 12x1.5/2.0ml, ID (FC5718 and FC5718R only)	30314839	985,00
Adapter, 1x0.2/0.4ml D6mm, 6/pk	30130884	43,50
Adapter, 1x0.5ml D8mm, 6/pk	30130885	43,50
Adapter, 1x1.5ml for over16000xg, 6/pk	30314900	68,20
Rotor, Angle, 4x8-w PCR Strip, ID (FC5718, FC5718R, FC5916 and FC5916R only)	30314841	1420,00
Vaseline for Rotors	30314586	16,30



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FRONTIER 5000 SERIES MICRO

Dependable Benchtop Micro Centrifuges Ideal for High-Speed Lab Applications

Application

Centrifugation

Display

LCD backlight, two lines

Operation

AC Power (included)

Construction

Brushless quiet motor, small footprint

Design Features

High sample throughput, multi-safety control, personal program foundation



Shortcut list:

ID – auto rotor identification
 Hi – version with higher speed
 Vac – Vacutainer
 FA – Conical bottom/Falcon
 FB – Flat bottom
 RB – Round bottom
 Rim – Skirted conical bottom
 Sar – Sarstedt

Frontier Micro centrifuges offer a 1,5/2ml microtube rotor with a biocontainment option. Additional rotor options support 5ml microtubes, spin columns, PCR stripes, and hematocrit capillary tubes.

Designed for ease of operation, Frontier Micro centrifuges feature convenient control on an intuitive interface, which allows for responsive operation – even when wearing gloves.

Enclosing all their functionalities within a small footprint, Frontier Micro centrifuges save valuable space on the lab bench.

Model	Material Description	Item N°	Price €
FC5515	Micro Centrifuge FC5515, max RPM 15200, max RCF 21953 x g	30130866	2195,00
FC5515R	Micro Centrifuge FC5515R, max RPM 15200, max RCF 21953 x g, refrigerated	30130868	5030,00
FC5513	Micro Centrifuge FC5513, max RPM 13500, max RCF 17317 x g	30393187	1520,00
FC5513-K	Kit Micro Centrifuge FC5513, max RPM 13500, max RCF 17317 x g, w/angle rotor 24x1.5/2.0ml	30370691	1665,00

Accessories

Material description	Item N°	Price €
Rotor, Angle, 24x1.5/2.0ml, BIOSEALS, V2 (only FC5515 and FC5515R)	30642371	469,00
Adapter, 1x0.2/0.4ml D6mm, 6/pk	30130884	43,50
Adapter, 1x0.5ml D8mm, 6/pk	30130885	43,50
Rotor, Angle, 30x1.5/2.0ml, Sealable (only FC5515 and FC5515R)	30130872	845,00
Adapter, 1x0.2/0.4ml D6mm, 6/pk	30130884	43,50
Adapter, 1x0.5ml D8mm, 6/pk	30130885	43,50
Rotor, Angle, 44x1.5/2.0ml V2 (only FC5515 and FC5515R)	30372717	680,00
Adapter, 1x0.2/0.4ml D6mm, 6/pk	30130884	43,50
Adapter, 1x0.5ml D8mm, 6/pk	30130885	43,50
Rotor, Angle, 12x5ml, Sealable (only FC5515 and FC5515R)	30130873	955,00
Adapter, 1x1.5/2.0ml D11mm, 6/pk	30130886	85,20
Adapter, 1x1ml D12.6mm Cryo, 6/pk	30130887	137,50
Adapter, 1x1.8ml D12.6mm Cryo, 6/pk	30130888	137,50
Rotor, Angle, 4x8-Place PCR Stripes (only FC5515 and FC5515R)	30130874	1115,00
Rotor, Hematocrit, 24xCapillaries (only FC5515)	30130881	405,00
Adapter, 1x0.2/0.4ml D6mm, 6/pk	30130884	43,50
Adapter, 1x0.5ml D8mm, 6/pk	30130885	43,50
Rotor, Angle, 24x1.5/2.0 ml, BIOSEALS, V2 (only FC5513 and FC5513-K)	30472302	304,00
Adapter, 1x0.2/0.4ml D6mm, 6/pk	30130884	43,50
Adapter, 1x0.5ml D8mm, 6/pk	30130885	43,50
Rotor, Angle, 24 x 2.0 ml Spin Column	30210898	407,00
Rotor, Hematocrit, 24xCapillaries, V2 (only FC5513 and FC5513-K)	30472304	444,00
Vaseline for Rotors	30314586	16,30



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FRONTIER 5000 SERIES MULTI

Reliable and Compact Multi-Function Centrifuge For Standard Life Science Separation Applications

Application

Centrifugation

Display

LCD backlight, two lines

Operation

AC Power (included)

Construction

Brushless quiet motor, small footprint

Design Features

Easy installation design

Shortcut list:

ID – auto rotor identification

Hi – version with higher speed

Vac – Vacutainer

FA – Conical bottom/Falcon

FB – Flat bottom

RB – Round bottom

Rim – Skirted conical bottom

Sar – Sarstedt



Designed for ease of operation, Frontier™ Multi Centrifuges feature convenient control on an intuitive interface, which allows for responsive operation – even when wearing gloves.

Frontier™ Multi Centrifuges can accommodate standard 50ml and 15ml tubes, including common blood tubes. When used with accessories, rotors can be adapted for sizes as small as 1.5ml.

Enclosing all its functionalities within a small footprint, Frontier™ Multi Centrifuges save valuable space on the lab bench.

Model	Material Description	Item N°	Price €
FC5706	Multi Centrifuge FC5706, max RPM 6000, max RCF 4427 x g	30130875	1735,00
FC5706-K	Kit Multi Centrifuge FC5706, max RPM 6000, max RCF 4427 x g, w/ angle rotor 12x15ml	30332131	1955,00
FC5707-K	Kit Multi Centrifuge FC5707, max RPM 6800, max RCF 4445 x g, w/angle rotor 8x15ml	30393189	1275,00

Accessories

Material Description	Item N°	Price €
Rotor, Swing Out, 6x5ml RB (only FC5706 and FC5706-K)	30130880	423,00
Buckets for swing out rotor, 2/pk	30130895	43,50
Rotor, Angle, 12x15ml RB/FA (only FC5706 and FC5706-K)	30130877	358,00
Adapter, 1x9-10ml D16mm Vac/Sar, 2/pk	30211180	34,80
Adapter, 1x1.5/2.0ml D11mm, 6/pk	30130886	85,20
Adapter, 1x7ml D13.5mm, 2/pk	30130889	52,30
Adapter, 1x5ml D13.5mm, 2/pk	30130890	45,90
Rotor, Angle, 6x50ml RB/FA (only FC5706 and FC5706-K)	30130878	640,00
Adapter, 1x30ml D26mm, 2/pk	30130891	108,00
Adapter, 1x16ml D18mm, 2/pk	30130892	108,00
Adapter, 1x15ml D17mm RB/FA, 2/pk	30130894	74,70
Adapter, 1x15ml D17mm RB, 2/pk	30130893	108,00
Rotor, Angle, 8x15ml RB or 4x15ml FA (only FC5707-K)	30472305	268,00
Adapter, 1x7ml D13.5mm RB, 2/pk	30130889	52,30
Adapter, 1x5ml D13.5mm RB, 2/pk	30130890	45,90
Adapter, 1x1.5/2.0ml D11mm, 6/pk	30130886	85,20
Vaseline for Rotors	30314586	16,30



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FRONTIER 5000 SERIES MINI

Powerful and Convenient Mini Centrifuge for Simple and Quick Life Science Separation Applications!

Application

Centrifugation

Operation

AC adapter (included)

Construction

Brushless quiet motor, auto shut-off safety switches

Design Features

One-touch operation

Shortcut list:

ID – auto rotor identification

Hi – version with higher speed

Vac – Vacutainer

FA – Conical bottom/Falcon

FB – Flat bottom

RB – Round bottom

Rim – Skirted conical bottom

Sar – Sarstedt



With a low voltage power input, quiet brushless motor and a rubber base that absorbs vibrations, Frontier 5306 minimizes operational noise and reduces disruptions in the laboratory.

Frontier 5306 is designed with operator safety in mind, and includes a rotor imbalance sensor and two safety switches which immediately stop the rotors should the lid open during use.

Frontier 5306 takes simple one-step operation to a new level. Simply place your sample in the centrifuge, close the lid, and it will begin to rotate without the press of a button.

Model	Material Description	Item N°	Price €
FC5306	Mini Centrifuge FC5306 with two rotors and two adapters included, max RPM 6000, max RCF 2000 x g	30134156	224,00

Accessories

Material Description	Item N°	Price €
Rotor, Angle, 0.2ml PCR 8x4	30129560	28,50
Rotor, Angle, 8x1.5/2.0ml	30129559	28,90
Adapter, 1x0.2ml D6mm, 8/pk	30129561	36,70
Adapter, 1x0.5ml D8mm, 8/pk	30129562	36,70



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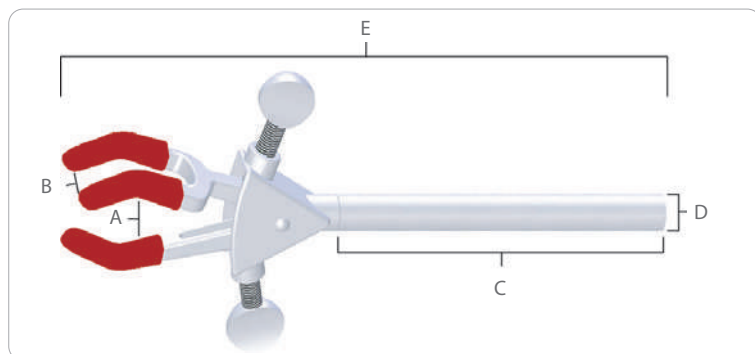
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MULTIPURPOSE CLAMPS

A LabJaws Clamp for Every Application - Choose From Over 85 Options to Hold Everything In Your Lab



Single Adjust Clamps



30392250

Dual Adjust Clamps



30392250

30392249

Corrosion-resistant stainless steel clamps provide excellent chemical resistance, durability, and can be autoclaved. Nickel-plated zinc clamps offer high-tensile strength at an economical price.

Prevent accidents in the lab - versatile multi-purpose LabJaws clamps securely hold glassware and irregularly-shaped objects. Select from a variety of grip sizes, prong styles, and adjustment types.

Choose from a variety of specialized LabJaws clamps with adjustable features to provide an exact fit for labware such as thermometers, thermocouples, columns, funnels, and round bottom flasks.

Ground Glass Joint Reference Chart

Clamp	Joint Size
Small Dual Adjust	10/30, 12/30, 14/20, 19/22, 24/40, 29/42, 34/45
Medium Dual Adjust	14/40, 19/38
Large Dual Adjust	45/50

3-Prong Single Adjust Clamps

Model	Size	(A) Min. to Max Grip Size	(B) Prong Width	(C) Arm Length	(D) Arm Dia.	(E) Overall Length	Item N°	Price €
CLM-ULTRA3SZS	Small	0 to 23 mm	6 mm	102 mm	8 mm	162 mm	30392254	48,30
CLM-ULTRA3SZM	Medium	0 to 50 mm	19 mm	127 mm	11 mm	229 mm	30392252	49,30
CLM-ULTRA3SZL	Large	0 to 72 mm	29 mm	127 mm	11 mm	260 mm	30392250	55,10

3-Prong Dual Adjust Clamps

Model	Size	(A) Min. to Max Grip Size	(B) Prong Width	(C) Arm Length	(D) Arm Dia.	(E) Overall Length	Item N°	Price €
CLM-ULTRA3DZS	Small	0 to 32 mm	6 mm	102 mm	8 mm	152 mm	30392253	48,30
CLM-ULTRA3DZM	Medium	0 to 70 mm	19 mm	127 mm	11 mm	222 mm	30392251	49,30
CLM-ULTRA3DZL	Large	0 to 103 mm	29 mm	127 mm	11 mm	260 mm	30392249	55,10

MULTI-PURPOSE CLAMPS

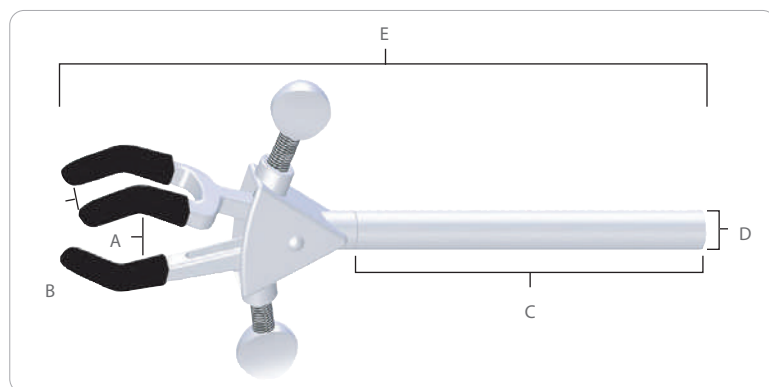
Multi-Purpose Clamps

- **Stainless steel, electro-polished finish**
- **Large dual adjustment range**
- **Available in three sizes; small, medium, and large**

These durable, multi-purpose clamps are made entirely of stainless steel with an electro-polished finish and offer excellent chemical resistance and overall strength. The versatile 3-prong design secures various lab apparatus such as jointed glassware, columns, flasks, and tubes. Dual prong adjustments offer a wide range of motion. Long stainless steel extension arm offers easy positioning and depth adjustment. Autoclavable. Supplied with non-slip vinyl sleeves and, for temperatures above 100°C, fiberglass covers.

NOTE: An additional holder must be purchased in order to attach clamps to frames or other apparatus.

See the Connectors & Holders section of this catalog, pages 89-91.



3-Prong Stainless Steel Dual Adjust Clamps

Model	Size	(A) Min. to Max Grip Size	(B) Prong Width	(C) Arm Length	(D) Arm Dia.	(E) Overall Length	Item N°	Price €
CLM-MULTI3DSS	Small	0 to 48 mm	13 mm	102 mm	10 mm	172 mm	30392354	79,00
CLM-MULTI3DSM	Medium	0 to 69 mm	19 mm	127 mm	13 mm	229 mm	30392353	90,50
CLM-MULTI3DSL	Large	0 to 102 mm	29 mm	127 mm	13 mm	273 mm	30392352	102,00

MULTIPURPOSE CLAMPS

3-Prong Multi-Purpose Clamps

- Large grip adjustment range
- 3-prong construction
- Single or dual adjust
- Nickel-plated zinc

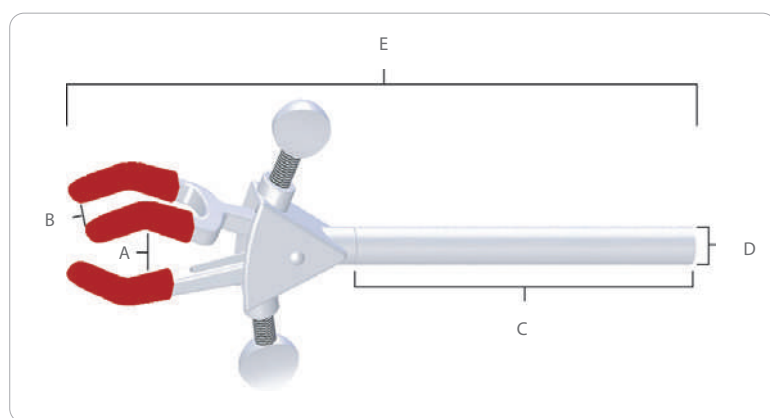
Designed to securely hold every type of laboratory glassware and apparatus. Long, seamless nickel-plated brass tubing attaches clamp head securely and offers easy positioning in the deepest fume hoods. Clamps are constructed with round extension arms, which allow the clamps to be rotated 360°. Extension arms also allow placement of apparatus at various distances from lab-frames without compromising the integrity of your experiment. Supplied with non-slip vinyl sleeves and, for temperatures above 100°C, fiberglass covers.

NOTE: An additional holder must be purchased in order to attach clamps to frames or other apparatus.

See the Connectors & Holders section of this catalog, pages 89-91.



3-Prong Dual Adjust Clamps



3-Prong Single Adjust Clamps

Model	Size	(A) Min. to Max Grip Size	(B) Prong Width	(C) Arm Length	(D) Arm Dia.	(E) Overall Length	Item N°	Price €
CLM-MULTI3SZS	Small	0 to 39 mm	11 mm	102 mm	8 mm	160 mm	30392205	42,40
CLM-MULTI3SZM	Medium	0 to 71 mm	19 mm	127 mm	11 mm	218 mm	30392203	44,90
CLM-MULTI3SZL	Large	0 to 108 mm	29 mm	127 mm	11 mm	248 mm	30392200	47,20

3-Prong Dual Adjust Clamps

Model	Size	(A) Min. to Max Grip Size	(B) Prong Width	(C) Arm Length	(D) Arm Dia.	(E) Overall Length	Item N°	Price €
CLM-MULTI3DZS	Small	0 to 46 mm	11 mm	102 mm	8 mm	168 mm	30392204	42,40
CLM-MULTI3DZM	Medium	0 to 69 mm	19 mm	127 mm	11 mm	229 mm	30392201	44,90
CLM-MLTEX3DZM	Medium (extended)	0 to 69 mm	19 mm	305 mm	13 mm	406 mm	30392202	56,40
CLM-MULTI3DZL	Large	0 to 105 mm	29 mm	127 mm	11 mm	273 mm	30392198	47,20
CLM-MLTEX3DZL	Large (extended)	0 to 105 mm	29 mm	305 mm	13 mm	451 mm	30392199	58,60

MULTIPURPOSE CLAMPS

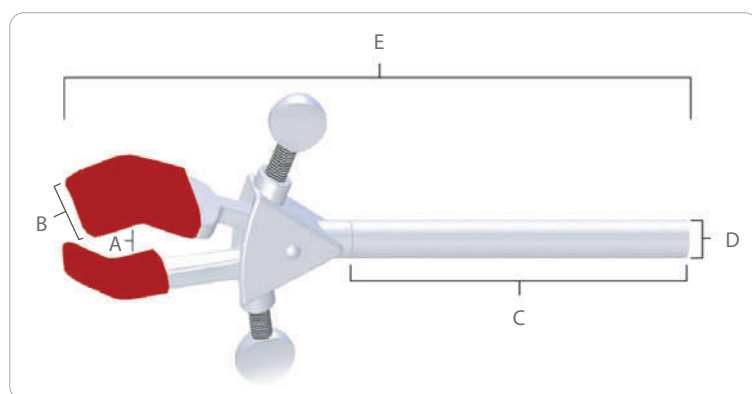
2-Prong Multi-Purpose Clamps

- **Stainless steel electro-polished finish or nickel-plated zinc**
- **Large grip adjustment range**
- **2-prong construction**
- **Single or dual adjust**

Designed to securely hold laboratory glassware and apparatus. Extension arm attaches clamp head securely and offers easy positioning in the deepest fume hoods. Clamps are constructed with round extension arms, which allow the clamps to be rotated 360°. Extension arms also allow placement of apparatus at various distances from lab-frames without compromising the integrity of your experiment. Stainless steel clamps are electro-polished and made entirely of stainless steel. They offer exceptional chemical resistance and are autoclavable. Nickel-plated zinc offers a clamp with a high tensile strength at an economical price. Supplied with non-slip vinyl sleeves and, for temperatures above 100°C, fiberglass covers.

NOTE: An additional holder must be purchased in order to attach clamps to frames or other apparatus.

See the Connectors & Holders section of this catalog, pages 89-91.



2-Prong Single Adjust Clamps



2-Prong Dual Adjust Clamps



2-Prong Single Adjust Clamps

Model	Material	Size	(A) Min. to Max Grip Size	(B) Prong Width	(C) Arm Length	(D) Arm Dia.	(E) Overall Length	Item N°	Price €
CLM-MULTI2SZM	Nickel-plated zinc	Medium	0 to 78 mm	23 mm	127 mm	11 mm	216 mm	30392208	34,50
CLM-MULTI2SZL	Nickel-plated zinc	Large	0 to 92 mm	23 mm	127 mm	11 mm	229 mm	30392206	36,70

2-Prong Dual Adjust Clamps

Model	Material	Size	(A) Min. to Max Grip Size	(B) Prong Width	(C) Arm Length	(D) Arm Dia.	(E) Overall Length	Item N°	Price €
CLM-MULTI2DSM	Stainless steel	Medium	0 to 75 mm	23 mm	127 mm	11 mm	229 mm	30392220	83,70
CLM-MULTI2DZM	Nickel-plated zinc	Medium	0 to 75 mm	23 mm	127 mm	11 mm	229 mm	30392209	34,50
CLM-MULTI2DSL	Stainless steel	Large	0 to 95 mm	23 mm	127 mm	11 mm	248 mm	30392223	101,00
CLM-MULTI2DZL	Nickel-plated zinc	Large	0 to 95 mm	23 mm	127 mm	11 mm	248 mm	30392207	36,70

MULTI-PURPOSE CLAMPS

Swivel Clamps

Used to hold apparatus near the lab-frame. Unlike extension clamps, the swivel clamps have an integral holder for attaching to a lab-frame or other apparatus. Built-in holder grips rods up to 19 mm in diameter and is adjustable for forward or reverse-facing adjustment screws. Shaft wing-nut allows the holding angle of the swivel clamp to adjust through 360° of rotation and can be locked in place once desired position is achieved. Stainless steel electro-polished finish or nickel-plated zinc construction. Supplied with non-slip vinyl sleeves and, for temperatures above 100°C, fiberglass covers.



Model	Material	Description	Size	Min. to Max. Grip Size	Prong Width	Overall Length	Item N°	Price €
CLM-SWIVL2SSM	Stainless steel	2-Prong Single Adjust	Medium	0 to 76 mm	23 mm	163 mm	30392226	97,30
CLM-SWIVL2SZM	Nickel-plated zinc	2-Prong Single Adjust	Medium	0 to 76 mm	23 mm	163 mm	30392215	34,50
CLM-SWIVL2SZL	Nickel-plated zinc	2-Prong Single Adjust	Large	0 to 95 mm	23 mm	180 mm	30392216	35,70
CLM-SWIVL3DSM	Stainless steel	3-Prong Dual Adjust	Medium	0 to 69 mm	20 mm	178 mm	30392225	132,50
CLM-SWIVL3DZM	Nickel-plated zinc	3-Prong Dual Adjust	Medium	0 to 69 mm	20 mm	178 mm	30392214	48,30

Fixed-Position Clamps

Used to hold apparatus near the lab-frame where no adjustment is required after set-up. Built-in holder grips rods up to 19 mm in diameter. Fixed-Position Clamps have an integral holder for attachment to the lab-frame or other apparatus. Available in 2-prong or 3-prong. Stainless steel electro-polished finish or nickel-plated zinc construction. Supplied with non-slip vinyl sleeves and, for temperatures above 100°C, fiberglass covers.



Model	Material	Description	Size	Min. to Max. Grip Size	Prong Width	Overall Length	Item N°	Price €
CLM-FIXED2SSM	Stainless steel	2-Prong Single Adjust	Medium	0 to 77 mm	23 mm	133 mm	30392230	96,30
CLM-FIXED2SZM	Nickel-plated zinc	2-Prong Single Adjust	Medium	0 to 77 mm	23 mm	133 mm	30392218	32,30
CLM-FIXED3DSM	Stainless steel	3-Prong Dual Adjust	Medium	0 to 69 mm	20 mm	146 mm	30392229	121,50
CLM-FIXED3DZM	Nickel-plated zinc	3-Prong Dual Adjust	Medium	0 to 69 mm	20 mm	146 mm	30392217	40,30

SPECIALTY CLAMPS

Thermometer Swivel Clamp

Holds glass tubes and thermometers 114 mm from support rod. Clamp features safety adjust spring plate jaws that adjust to any angle with locking wing-nut. Built-in holder grips rods up to 19 mm in diameter. Lightweight, rust, and corrosion-resistant. Nickel-plated construction.

Model	Min. to Max. Grip Size	Overall Length	Item N°	Price €
CLS-THMSWZ	6 to 8 mm	159 mm	30392238	40,30

Thermometer / Thermocouple Extension Clamp

Lightweight clamp holds glass tubing, thermometers or thermocouples up to 178 mm from support rod. Tightening wing-nut applies tension to the nickel-plated jaws.

NOTE: An additional holder must be purchased in order to attach clamps to frames or other apparatus.

See the Connectors & Holders section of this catalog, pages 89-91.

Model	Min. to Max. Grip Size	Ext Arm Length	Arm Dia.	Overall Length	Item N°	Price €
CLS-THMEXZ	6 to 12 mm	127 mm	11 mm	210 mm	30392239	34,50

Wall Clamp

Ideal for securing fermentation tubes, burets or other small objects to walls where no frames are available. Integral self-tapping screw secures clamp to wall. Nickel-plated construction.

Model	Min. to Max. Grip Size	Overall Length	Item N°	Price €
CLS-WALLCZ	5 to 10 mm	80 mm	30392244	31,20

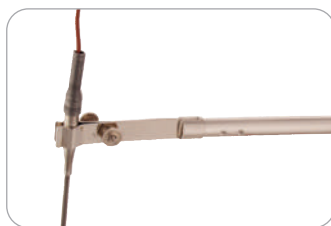
Water Bath Clamps

Holds a variety of apparatus, including glass tubes and thermometers onto glass water bath walls. Built-in holder grips walls of varying thickness, up to 9 mm. Knurled thumbscrew tightens jaws to hold objects firmly. Nickel-plated zinc construction. Large water bath clamp is supplied with non-slip vinyl sleeves and, for temperatures above 100°C, fiberglass covers.

Model	Size	Min. to Max. Grip Size	Prong Width	Overall Length	Item N°	Price €
CLS-WBATHZS	Small	5 to 10 mm	N/A	89 mm	30392240	30,00
CLS-WBATHZL	Large	0 to 46 mm	11 mm	117 mm	30392241	44,90



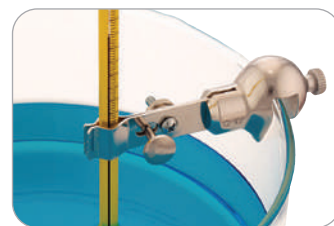
30392238



30392239



30392244



30392240



30392241

SPECIALTY CLAMPS

For the items listed below an additional holder must be purchased in order to attach clamps to frames or other apparatus. See the Connectors & Holders section of this catalog, pages 89-91.

Chain Clamps

Holds large round or irregular shaped objects firmly, yet gently, to lab-frames and rods. Quick and secure slip-on chain connection with large, easy-to-turn adjusting knob. Extension arm allows user to vary distance from the frame. Available as stainless steel clamp, constructed entirely of stainless steel with electro-polished finish or nickel-plated zinc clamp with strong, chromed-brass chain.

Stainless Steel

Model	Size	Min. to Max. Dia.	Ext. Arm Length	Arm Dia.	Overall Length	Item N°	Price €
CLS-CHAINSL	Large-5	35 to 280 mm	127 mm	13 mm	206 mm	30392224	212,00

Nickel-Plated Zinc

Model	Size	Min. to Max. Dia.	Ext. Arm Length	Arm Dia.	Overall Length	Item N°	Price €
CLS-CHAINZM	Small	35 to 170 mm	127 mm	13 mm	188 mm	30392235	58,60
CLS-CHAINZL	Large-5	35 to 280 mm	127 mm	13 mm	206 mm	30392259	84,60
CLS-CHNEXZL	Large-12	35 to 280 mm	305 mm	13 mm	384 mm	30392260	89,40

Column Clamps

These sturdy, easily adjusted, multi-purpose clamps are ideal for holding large cylindrical glassware and similar objects. A large, flat thumbscrew/worm-drive permits maximum tightening or removal in minimum time. Clamp is constructed of corrosion-resistant stainless steel. Ideal for chromatography columns.

Model	Size	Min. to Max. Dia.	Ext. Arm Length	Arm Dia.	Overall Length	Item N°	Price €
CLS-COLMNSS	Small	65 to 89 mm	211 mm	11 mm	282 mm	30392314	68,90
CLS-COLMNSM	Medium	91 to 114 mm	211 mm	11 mm	315 mm	30392315	70,00
CLS-COLMNSL	Large	64 to 140 mm	211 mm	11 mm	338 mm	30392316	71,00
CLS-COLMNSX	X-Large	92 to 165 mm	211 mm	11 mm	368 mm	30392317	71,00

Nester Extension Clamps

Securely holds large or small glass distillation columns and odd-shaped glassware. Constructed of stainless steel with strong, chromed-brass band and chain.

Model	Min. to Max. Dia.	Ext. Arm Length	Arm Dia.	Overall Length	Item N°	Price €
CLS-NESTXS	50 to 102 mm	152 mm	10 mm	262 mm	30392318	90,50

PVC Coated Open Extension Rings

Ideal for supporting funnels, round bottom flasks, reaction vessels, and other apparatus that require lower support. Opening in PVC coated aluminium ring allows for easy removal of sample container. PVC coating protects glassware. Long extension arm permits depth adjustment of the open ring from the lab-frame or ring stand.

Model	Ring Dia.	Ext. Arm Length	Arm Dia.	Overall Length	Item N°	Price €
CLS-OPENRPS	76 mm	254 mm	9 mm	328 mm	30392346	63,00
CLS-OPENRPM	102 mm	305 mm	9 mm	404 mm	30392347	72,40
CLS-OPENRPL	127 mm	305 mm	11 mm	427 mm	30392348	95,10

Open Rings

Lightweight rings mount funnels, boiling flasks, and other irregular shaped objects to lab-frames. Open ring section allows items to pass in and out of support area easily, reducing risk of breakage. Aluminium construction.

Model	Ring Dia.	Ext. Arm Length	Arm Dia.	Overall Length	Item N°	Price €
CLS-OPENRAS	76 mm	58 mm	9 mm	132 mm	30392343	30,00
CLS-OPENRAM	102 mm	58 mm	9 mm	158 mm	30392344	37,90
CLS-OPENRAL	127 mm	61 mm	11 mm	183 mm	30392345	53,90



30392224



30392316



30392318



30392347

SPECIALTY CLAMPS

Buret Holders

Stainless steel electro-polished finish or nickel-plated zinc construction. Double Buret Clamp holds any size buret from micro to 100 ml capacity. Simply compress the scissor-like mechanism, insert buret and gently release to grip. Numbers and graduation on buret remain easy to read. For height adjustments, recompress mechanism and slide buret up or down and gently release. Clamp unit with built-in reinforced hook connector attaches to optional standard support rod. Adjusting nut faces forward for easy use. Stainless steel or aluminium support rod attaches to optional porcelain base.

Support Rod (Dia. × L): 13 × 578 mm

Porcelain Base (L × W × H): 178 × 330 × 25 mm

Stainless Steel

Model	Description	Item N°	Price €
CLS-BTDBLS	Double Buret Clamp (only)	30392227	172,50
CLS-RODS	Support Rod (only)	30392233	36,70
CLS-STRODS	Support Stand with Rod	30392232	189,50
CLS-BTSETS	Double Buret Clamp & Support Stand with Rod (complete)	30392231	353,00

Nickel-Plated Zinc

Model	Description	Item N°	Price €
CLS-BTDBLZ	Double Buret Clamp (only)	30392234	60,90
CLS-STRODA	Support Stand with Rod	30392312	172,50
CLS-BTSETA	Double Buret Clamp & Support Stand with Rod (complete)	30392313	243,00

Kettle Clamps

Holds flask and cover together firmly. Three insulated spring-activated clamping arms. Stainless steel springs. For use on reaction kettles.

Model	Flask Size	Inside Dia.	Item N°	Price €
CLS-KTLCLS	500 ml, 1000 ml	125 mm	30392365	167,00
CLS-KTLCLM	2000 ml, 3000 ml, 4000 ml	142 mm	30392366	167,00

Electrode Support Clamp

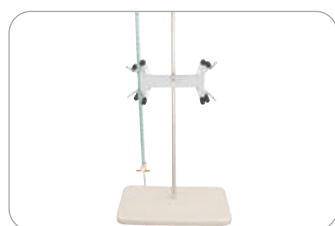
Permits suspension of electrodes over beaker for potentiometric titrations. Holds any electrode clamp at desired level. Built-in nickel-plated zinc holder grips rods up to 19 mm in diameter.

Model	Overall Length	Item N°	Price €
CLS-ELECTZ	178 mm	30392242	64,40

Suspension Clamp

Holds thermometers, potash bulbs or drying tubes 114 mm from support rod. Machine tapered, nickel-plated brass hook won't bend, rust, or corrode. Built-in holder grips rods up to 19 mm in diameter.

Model	Overall Length	Item N°	Price €
CLS-SUSPNB	137 mm	30392243	31,20



30392238



30392365



30392242 Electrode holder not included



30392243

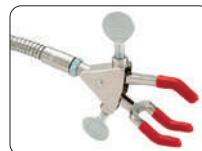
SPECIALTY CLAMPS

Ultra Flex Support Systems have unique flexible arms that are extremely versatile and can be placed in virtually any position or angle. Ultra Flex comes in three different systems; base plate, lab-frame connector, and bench clamp. Each system includes a 2-Prong Clamp Head, 3-Prong Clamp Head, Spring Clamp Head, nickel-plated flex arm in 305 mm or 457 mm length, and utility wrench. 2-prong and 3-prong clamp heads also supplied with non-slip vinyl sleeves and, for temperatures above 100°C, fiberglass covers.

2-Prong Clamp Head



3-Prong Clamp Head



Spring Clamp Head



Arm Length	Ultra Flex 12 Ultra Flex 18	305 mm 457 mm
Arm Diameter		13 mm
Max. Grip Size	2-Prong Clamp Head 3-Prong Clamp Head Spring Clamp Head	75 mm 69 mm 13 mm

Ultra Flex Support System with Base Plate

OHAUS Ultra Flex Support System with Base Plate is constructed of all metal and designed with a stable, painted steel base plate with chemical resistant black finish that fits easily on bench tops or in fume hoods. Base plate measures 127 × 127 × 12,7 mm.

Model	Description	Item N°	Price €
CLS-FLEXSM	Ultra Flex 12 with Base Plate	30400011	278,00
CLS-FLEXSL	Ultra Flex 18 with Base Plate	30400014	334,00

Ultra Flex Support System with Lab-Frame Connector

Ultra Flex Support System with Lab-Frame Connector securely attaches to support stands, lab-frames, or any support rod up to 19 mm in diameter. Ideal for use in fume hoods. Lab-frame connector is made of cast alloy.

Model	Description	Item N°	Price €
CLS-FLEXLM	Ultra Flex 12 with Lab-Frame Connector	30400013	212,00
CLS-FLEXLL	Ultra Flex 18 with Lab-Frame Connector	30400016	254,00

Ultra Flex Support System with Bench Clamp

Ultra Flex Support System with Bench Clamp easily attaches to the side of your lab bench or counter top, which helps utilize more space in your lab. Bench clamp is constructed of aluminium.

Model	Description	Item N°	Price €
CLS-FLEXBM	Ultra Flex 12 with Bench Clamp	30400012	243,00
CLS-FLEXBL	Ultra Flex 18 with Bench Clamp	30400015	287,00



30400014



30400013



30400015

SPECIALTY CLAMPS

Bench Clamp

Aluminium bracket with arm fastens quickly and firmly to any convenient shelf. Accepts 13 mm rods vertically and horizontally, to which ordinary rings and clamps attach, leaving bench surface clear for apparatus.

Model	Clamp Opening	Depth of Grip	Overall Length	Item N°	Price €
CLC-SHGRPA	43 mm	51 mm	197 mm	30392311	219,00

Double Jaw Utility Clamp

Swivels 360° and locks securely in desired position. These 2-prong clamps have a medium and a large clamp on each end. Nickel-plated zinc construction. Supplied with non-slip vinyl sleeves and, for temperatures above 100°C, fiberglass covers.

Model	Description	Min. to Max. Grip Size	Prong Width	Overall Length	Item N°	Price €
CLS-DBJAWZ	Medium 2-Prong	0 to 76 mm	23 mm	222 mm	30392236	43,70

Accessories

Description	Item N°	Price €
Medium 2 Prong Sleeves, Vinyl	30400253	9,25
Medium 2 Prong Sleeves, Fiberglass	30400254	9,25
Large 2 Prong Sleeves, Vinyl	30400255	9,25
Large 2 Prong Sleeves, Fiberglass	30400256	9,25
Small 3 Prong Sleeves, Vinyl	30400257	9,25
Small 3 Prong Sleeves, Fiberglass	30400258	9,25
Medium 3 Prong Sleeves, Vinyl	30400259	9,25
Medium 3 Prong Sleeves, Fiberglass	30400260	9,25
Large 3 Prong Sleeves, Vinyl	30400261	9,25
Large 3 Prong Sleeves, Fiberglass	30400262	9,25
Small 3 Prong Sleeves, Vinyl Black	30400263	9,25
Medium 3 Prong Sleeves, Vinyl Black	30400264	9,25
Large 3 Prong Sleeves, Vinyl Black	30400265	9,25



30392311



30392236

CONNECTORS & HOLDERS

Regular Holder

Stainless steel electro-polished finish or nickel-plated zinc construction. Ideal for holding clamps to lab-frames. Use wherever clamping at 90° is required.

Model	Material	Min. to Max. Grip Size	Item N°	Price €
CLC-REGLRS	Stainless steel	0 to 18 mm	30392219	55,10
CLC-REGLRZ	Nickel-plated zinc	0 to 18 mm	30392197	22,00

Jumbo Holder

Stainless steel electro-polished finish or aluminium construction. Ideal for holding clamps to lab-frames or ring stands.

Model	Material	Min. to Max. Grip Size	Item N°	Price €
CLC-JUMBOS	Stainless steel	0 to 21 mm	30392357	55,10
CLC-JUMBOA	Aluminium	0 to 21 mm	30392196	32,30

Heavy-Duty Holder

For mounting stirrers and other apparatus. Holder is constructed of strong aluminium alloy; fitted with oversized knobs for very secure positioning. Rods supported on 102 mm long surface to avoid vibration and wobble.

Model	Material	Min. to Max. Grip Size	Item N°	Price €
CLC-ULTRAA	Aluminium	6 to 24 mm	30400045	91,80

Swivel Holder

Two rod holders with center swivel capacity allow tilting of clamps at any angle in parallel planes. Outside adjustment screw allows close proximity between items being held. Stainless steel electro-polished or nickel-plated zinc construction.

Model	Material	Min. to Max. Grip Size	Item N°	Price €
CLC-SWIVLS	Stainless steel	0 to 19 mm	30392228	88,30
CLC-SWIVLZ	Nickel-plated zinc	0 to 19 mm	30392213	30,00

All-Position Clamp Holder

Surpasses standard holding capabilities. The all-position clamp holder permits adjustment at any angle in any plane. Holders are set at 90° to each other, connected by a 90° connector, allowing 360° rotation. Nickel-plated zinc construction.

Model	Material	Min. to Max. Grip Size	Item N°	Price €
CLC-ALLPSZ	Nickel-plated zinc	0 to 19 mm	30392248	58,60

Clamp Holder

Clamp is ideal for gripping 2 rods at 90°. Oversized thumbscrews make securing rods fast and easy.

Model	Material	Min. to Max. Grip Size	Overall Length	Item N°	Price €
CLC-CLMPHA	Aluminium	0 to 17 mm	70 mm	30392195	19,80



30392219



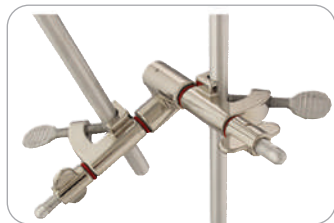
30392357



30400045



30392228



30392248



30392195

CONNECTORS & HOLDERS

Hook Connector

Stainless steel electro-polished finish or nickel-plated zinc construction. Simple, versatile, and easy-to-use. Hook connectors allow one-handed assembly of two components with one adjustment screw.

Model	Material	Min. to Max. Grip Size	Item N°	Price €
CLC-HOOKCS	Stainless steel	0 to 13 mm	30392358	31,20
CLC-HOOKCZ	Nickel-plated zinc	0 to 13 mm	30392258	11,60

End-to-End Connector

Extend the length of lab-frame rods. Strong aluminium alloy connector permits end-to-end joining of rods. Precision boring of connector ensures perfect alignment of rods. Corrosion resistant. Comes with two set screws.

Model	Material	Min. to Max. Grip Size	Item N°	Price €
CLC-EN2ENA	Aluminium	0 to 13 mm	30392264	23,10

Rod End Connector

Holds rods firmly at 90°. Use when semi-permanent installations are required. Comes with two set screws and is precision bored for close fit. Stainless steel electro-polished finish or nickel-plated zinc construction.

Model	Material	Min. to Max. Grip Size	Item N°	Price €
CLC-RDENDS	Stainless steel	0 to 13 mm	30392222	34,50
CLC-RDENDZ	Nickel-plated zinc	0 to 13 mm	30392256	14,10

S-Connector

Stainless steel electro-polished finish or nickel-plated zinc construction. Clamp is ideal for constructing lab-frames or other supports requiring the connection of two perpendicular rods. Clamp connects two 13 mm rods at a 90° angle and features separate adjustment screws for each rod location.

Model	Material	Min. to Max. Grip Size	Item N°	Price €
CLC-SCONNS	Stainless steel	0 to 13 mm	30392355	32,30
CLC-SCONNZ	Nickel-plated zinc	0 to 13 mm	30392257	20,70

Frame Connector (Pack of 12)

Improved contour delivers simplicity and strength. Angled adjustment screws allow easy set-up and prevents misalignment. Smooth, rounded surfaces are easy-to-clean. Small size maximizes lab-frame space. Bright dipped aluminium finish sealed with silicon for maximum protection against corrosion.

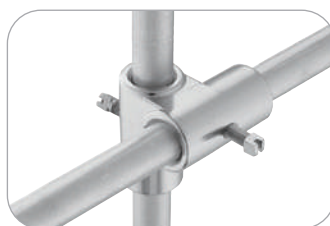
Model	Material	Min. to Max. Grip Size	Item N°	Price €
CLC-LTTCEA	Aluminium	0 to 13 mm	30392255	207,00



30392358



30392264



30392222



30392355



30392255

CONNECTORS & HOLDERS

Universal Stirrer Mounting Bracket

Use to mount stirrers and other devices to lab-frames. Aluminium mounting bracket with attachment screws.

Model	Max. Weight Mounted	Min. to Max. Grip Size	Item N°	Price €
CLC-UNSMBA	2,27 kg	0 to 20 mm	30392265	9,25

Multi-Rod Connector

Maximum adjustment capability within one connector. Two adjustment rods fit into the oval hole in the connector, preventing turning when tightened. Side and front 13 mm holes allow creation of a variety of configurations. Nickel-plated zinc construction.

Model	Min. to Max. Rod Size	Item N°	Price €
CLC-MTRODZ	0 to 13 mm	30392262	34,50

Wrench

Special adjusting wrench is for use with lab-frame items with set screws.

Model	Length	Item N°	Price €
CLC-WRNCH	79 mm	30392270	51,70

Channel Connector

Special connector fastens lab-frame rod to steel 41 mm channels. Loosen the connector and slide up or down for easy adjustment of rod position.

Model	Dimensions	Item N°	Price €
CLC-CHANLZ	33 x 40 mm	30392261	22,00

Horizontal Mounting Bars with Coupler

Threaded end for direct installation into channels. Comes with spring coupler for use in steel 41 mm channels. Locking nut included. Use with steel channel frames.

Model	Bar Length	Item N°	Price €
CLC-HTZMBA05	51 mm	30392266	26,50
CLC-HTZMBA10	102 mm	30392267	30,00
CLC-HTZMBA15	152 mm	30392268	32,30
CLC-HTZMBA20	203 mm	30392269	34,50



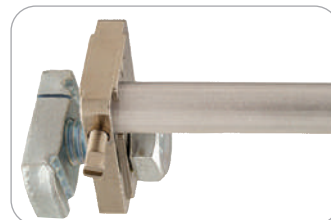
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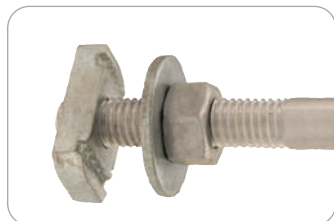
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30392270



30392261



30392268

RODS, FRAMES, & SUPPORTS

A LabJaws Clamp for Every Application - Choose From Over 85 Options to Hold Everything In Your Lab

Corrosion-resistant lab-frames, rods, and connectors are available in premium stainless steel offering high chemical-resistance and durability. Aluminium offers reliable strength at a lighter weight.

Simplify lab set up - 13 lab-frame kit options are available with four designed to fit in fume hoods. Build your own support system choosing from a wide selection of rods, bases, and connectors.

Lab-lifts are convenient adjustable lifting platforms. Exceptional strength and durability for holding small lab equipment such as glassware, hot plates, and water baths at different heights.

Lab Frame Foot

Stainless steel electro-polished finish or nickel-plated zinc construction. Strong, durable lab-frame foot is designed for mounting lab-frames permanently to bench tops, fume hoods, walls, and floors. Spilled fluids roll right off the smooth body contour, minimizing contamination and easing clean-ups. Features a set screw and includes three 19 mm mounting screws.



30392356

Model	Material	Min. to Max. Grip Size	Dimensions (Dia. x H)	Item N°	Price €
CLR-LFOOTS	Stainless steel	0 to 13 mm	58 x 32 mm	30392356	48,30
CLR-LFOOTZ	Nickel-plated zinc	0 to 13 mm	58 x 32 mm	30392263	24,30

Frame Rods

Everything you need to customize a lab-frame to your laboratory space. Quality construction throughout. Frame rods are available in many lengths and materials.

Aluminium

Center-less ground for a precise fit. These hard aluminium rods provide a smooth fit with lab-frames. Corrosion resistant with chamfered ends for easy location.

Stainless Steel

Heavy-duty, top-of-the-line rods provide maximum strength and durability. Constructed of 303 stainless steel.



Aluminium



Stainless steel

Model	Material	Rod Diameter	Rod Length	Item N°	Price €
CLR-RODA004	Aluminium	13 mm	41 mm	30392271	5,90
CLR-RODA005	Aluminium	13 mm	51 mm	30392272	8,15
CLR-RODA015	Aluminium	13 mm	152 mm	30392273	10,40
CLR-RODA030	Aluminium	13 mm	305 mm	30392274	15,10
CLR-RODA046	Aluminium	13 mm	457 mm	30392275	16,30
CLR-RODA061	Aluminium	13 mm	610 mm	30392276	20,70
CLR-RODA091	Aluminium	13 mm	914 mm	30392277	23,10
CLR-RODA122	Aluminium	13 mm	1219 mm	30392278	35,70
CLR-RODA152	Aluminium	13 mm	1524 mm	30392279	41,40
CLR-RODA183	Aluminium	13 mm	1829 mm	30392280	45,90
CLR-RODA244	Aluminium	13 mm	2438 mm	30392281	58,60
CLR-RODS004	Stainless Steel	13 mm	41 mm	30392293	9,25
CLR-RODS005	Stainless Steel	13 mm	51 mm	30392294	9,25
CLR-RODS015	Stainless Steel	13 mm	152 mm	30392295	11,60
CLR-RODS030	Stainless Steel	13 mm	305 mm	30392296	20,70
CLR-RODS046	Stainless Steel	13 mm	457 mm	30392297	27,80
CLR-RODS061	Stainless Steel	13 mm	610 mm	30392298	34,50
CLR-RODS091	Stainless Steel	13 mm	914 mm	30392299	49,30
CLR-RODS122	Stainless Steel	13 mm	1219 mm	30392300	61,90
CLR-RODS152	Stainless Steel	13 mm	1524 mm	30392301	73,30
CLR-RODS183	Stainless Steel	13 mm	1829 mm	30392302	87,00
CLR-RODS244	Stainless Steel	13 mm	2438 mm	30392303	114,00

RODS, FRAMES, & SUPPORTS

LabJaws offers the widest choice of standard lab frames available, plus the accessories to custom-fit any laboratory with the right frame for the job. Standard Lab-Frame sets are available in five sizes. Options of traditional center-less ground aluminium, non-corroding fiberglass, or tough stainless steel rods are available. Nickel-plated zinc connectors and lab-frame feet are standard with all kits.

Small Lab-Frame

Vertical mounting, great for glassware set-ups in small laboratories or where space is limited. Frame measures 610 × 610 mm. Base is 457 mm wide for stability. Base may be permanently mounted to bench top with screws (included).

Components:

- (8) 51 mm Rods
- (2) 457 mm Rods
- (8) 610 mm Rods
- (18) S-Connectors
- (4) Rod End Connectors
- (4) Lab-Frame Feet



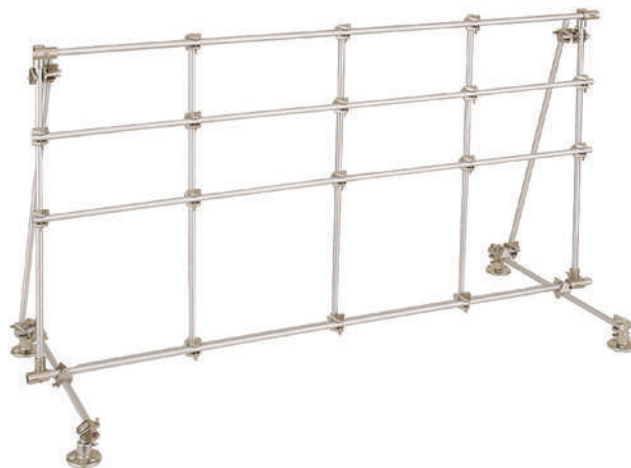
Model	Material	Frame Dimensions	Base Dimensions	Item N°	Price €
CLR-FRAMEAS	Aluminium	61 × 61 cm	457 mm wide	30392304	449,00
CLR-FRAMESS	Stainless Steel	61 × 61 cm	457 mm wide	30392323	770,00

Medium Lab-Frame

Horizontal or vertical mounting, convenient for distillation or general set-up. Frame measures 610 × 1219 mm. Base is 457 mm wide for stability.

Components:

- (8) 51 mm Rods
- (2) 457 mm Rods
- (7) 610 mm Rods
- (4) 1219 mm Rods
- (35) S-Connectors
- (4) Rod End Connectors
- (4) Lab-Frame Feet



Model	Material	Frame Dimensions	Base Dimensions	Item N°	Price €
CLR-FRAMEAM	Aluminium	610 × 1219 mm	457 mm wide	30392305	570,00
CLR-FRAMESM	Stainless Steel	610 × 1219 mm	457 mm wide	30392324	1100,00

RODS, FRAMES, & SUPPORTS

Large Lab-Frame

This 1219 × 1219 mm frame is ideal for complex glassware set-ups. Base is 457 mm wide for stability.

Components:

- (10) 51 mm Rods
- (3) 457 mm Rods
- (2) 914 mm Rods
- (10) 1219 mm Rods
- (38) S-Connectors
- (4) Rod End Connectors
- (6) Lab-Frame Feet



Model	Material	Frame Dimensions	Base Dimensions	Item N°	Price €
CLR-FRAMEAL	Aluminium	1219 × 1219 mm	457 mm wide	30392306	890,00
CLR-FRAMESL	Stainless Steel	1219 × 1219 mm	457 mm wide	30392325	1540,00

Extra-Large Lab-Frame

Versatile, adaptable Extra-Large Lab-Frame measures 1219 × 1829 mm and may be used either horizontally or vertically.

Components:

- (6) 51 mm rods
- (6) 305 mm rods
- (2) 610 mm rods
- (7) 1219 mm rods
- (5) 1829 mm rods
- (45) S-Connectors
- (4) Rod End Connectors
- (8) Lab-Frame Feet



Model	Material	Frame Dimensions	Item N°	Price €
CLR-FRAMEAX	Aluminium	1219 × 1829 mm	30392307	1215,00
CLR-FRAMESX	Stainless Steel	1219 × 1829 mm	30392326	1685,00

RODS, FRAMES, & SUPPORTS

Heavy-Duty Lab-Frame

Floor mounted, free-standing unit is specifically designed for heavy-duty work such as pilot plant set-ups. Outside frame is constructed of a strong, but lightweight steel channel. Interior lattice uses a horizontal channel connector; one end accommodates the rod, the other end fits into the channel and locks tightly with a bolt. Loosen the bolt, and the connector slides easily along the channel track for simple lattice adjustment. Entire apparatus is supported on sturdy, counter-weighted cast iron feet, which may be bolted to the floor for added stability required in top-heavy installations.

Components:

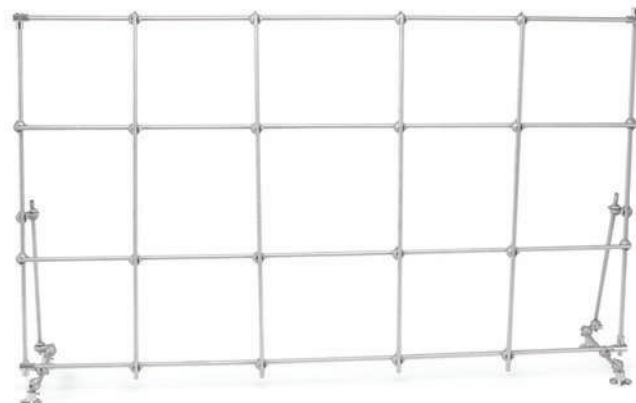
- (5) 1219 mm rods
- (3) 1829 mm rods
- (15) S-Connectors
- (16) Channel Connectors
- (24) Clamping Nuts
- (2) 551 mm Cast Iron Feet
- (1) Frame Kit
- (1) Wrench



Model	Material	Frame Dimensions	Overall Dimensions	Item N°	Price €
CLR-FRAMEAH	Aluminium	1219 × 1829 mm	1905 × 1829 mm	30392309	1755,00
CLR-FRAMESH	Stainless Steel	1219 × 1829 mm	1905 × 1829 mm	30392328	3260,00

Fume Hood Kits

Choose from four kits specifically designed to fit within laboratory fume hoods. All components are constructed of stainless steel with the exception of the Frame Connectors which are made of aluminium with a silicon finish.



Model	1,22 m Fume Hood Kit Components: - (8) 51 mm rods - (2) 305 mm rods - (2) 457 mm rods - (4) 914 mm rods - (4) 965 mm rods - (30) Frame Connectors - (4) Rod End Connectors - (4) Lab-Frame Feet Frame: 914 × 965 mm Base: 305 mm wide	1,52 m Fume Hood Kit Components: - (8) 51 mm rods - (2) 305 mm rods - (2) 457 mm rods - (5) 914 mm rods - (4) 1270 mm rods - (34) Frame Connectors - (4) Rod End Connectors - (4) Lab-Frame Feet Frame: 914 × 1270 mm Base: 305 mm wide	1,83 m Fume Hood Kit Components: - (8) 51 mm rods - (2) 305 mm rods - (2) 457 mm rods - (6) 914 mm rods - (4) 1575 mm rods - (38) Frame Connectors - (4) Rod End Connectors - (4) Lab-Frame Feet Frame: 914 × 1575 mm Base: 305 mm wide	2,44 m Fume Hood Kit Components: - (10) 51 mm rods - (3) 305 mm rods - (2) 457 mm rods - (8) 914 mm rods - (4) 2184 mm rods - (45) Frame Connectors - (4) Rod End Connectors - (6) Lab-Frame Feet Frame: 914 × 2184 mm Base: 305 mm wide
Item N°	30392329	30392330	30392331	30392332
Price €	990,00	1080,00	1155,00	1320,00

RODS, FRAMES, & SUPPORTS

Support Stands

Support Stands are made entirely of 303 stainless steel. They have a durable base that can accommodate vessels up to 457 mm in diameter within the "U". The base area is 451 mm across × 267 mm deep overall. The stainless steel support rod is 16 mm in diameter and is screwed to the support base. Two additional threaded holes in the base legs accommodate rods, enabling the stand to support two mixers. The "U" shape of the base should be turned from the mixing apparatus when the two outside rods are in use. This balances the weight, preventing the base from tipping.

Model	Description	Item N°	Price €
CLR-STRODS058	Support Stand with 584 mm Rod	30400030	293,00
CLR-STRODS071	Support Stand with 711 mm Rod	30400031	310,00
CLR-STRODS091	Support Stand with 914 mm Rod	30400032	355,00
CLR-STRODS102	Support Stand with 1016 mm Rod	30400033	373,00
CLR-STRODS122	Support Stand with 1219 mm Rod	30400034	390,00
CLR-STRODS152	Support Stand with 1524 mm Rod	30400035	436,00

Support Stand Stabilizer Knobs

Support Stand Stabilizer Knobs can be added to the two additional threaded holes in the base legs to secure the stand to a bench top.

Model	Description	Item N°	Price €
CLR-SKNOB	Support Stand Stabilizer Knobs (2 per pack)	30400044	58,70

Heavy-Duty Support Stands

Heavy-Duty Support Stands have a four point cast iron base with stainless steel support rod. They are designed to accommodate vessels up to 30.5 cm in diameter to sit close to the support rod. They have rubber cushions on each of the four corners. The base area is 41,9 cm across × 30,5 cm deep overall. They are ideal for Heavy-Duty Mixers, page 43.

Model	Description	Item N°	Price €
CLR-STRODC046	Heavy-Duty Support Stand with 457 mm Rod	30392334	295,00
CLR-STRODC058	Heavy-Duty Support Stand with 584 mm Rod	30392335	328,00
CLR-STRODC071	Heavy-Duty Support Stand with 711 mm Rod	30392336	345,00
CLR-STRODC091	Heavy-Duty Support Stand with 914 mm Rod	30392337	397,00
CLR-STRODC102	Heavy-Duty Support Stand with 1016 mm Rod	30392338	420,00
CLR-STRODC122	Heavy-Duty Support Stand with 1219 mm Rod	30392339	443,00
CLR-STRODC152	Heavy-Duty Support Stand with 1524 mm Rod	30392340	489,00

Replacement Support Rods

Model	Description	Diameter	Item N°	Price €
CLR-SPRODS046	457 mm Stainless Steel Rod	16 mm	30400036	97,10
CLR-SPRODS058	584 mm Stainless Steel Rod	16 mm	30400037	107,00
CLR-SPRODS071	711 mm Stainless Steel Rod	16 mm	30400038	121,00
CLR-SPRODS091	914 mm Stainless Steel Rod	16 mm	30400039	149,50
CLR-SPRODS102	1016 mm Stainless Steel Rod	16 mm	30400040	172,00
CLR-SPRODS122	1219 mm Stainless Steel Rod	16 mm	30400041	189,00



Support Stand



Support Stand Stabilizer Knobs



Heavy-Duty Support Stand



Replacement Support Rods

RODS, FRAMES, & SUPPORTS

Cast Iron Support Stands

Cast iron support stand bases are constructed with black enamel finish for chemical resistance and durability. All bases feature a built-in support rod holder with locking knob that accepts a 13 mm diameter support rod. U-shaped base features three built-in support rod holders and accommodates vessels up to 127 mm in diameter.

Note: Support rods are not included.

Rectangular Base Support Stand, Cast Iron

Model	Description	Dimensions	Item N°	Price €
CLR-RBASECS	Rectangular Base (only)	102 × 152 mm	30392359	39,20
CLR-RBASECM	Rectangular Base (only)	127 × 203 mm	30392360	63,00
CLR-RBASECL	Rectangular Base (only)	152 × 229 mm	30392361	82,60
CLR-RBASECX	Rectangular Base (only)	203 × 254 mm	30392362	121,50

Tripod Base Support Stand, Cast Iron

Model	Description	Overall Footprint Diameter	Item N°	Price €
CLR-TBASEC	Tripod Base (only)	375 mm	30392363	78,00

U-Shaped Base Support Stand, Cast Iron

Model	Description	Dimensions	Item N°	Price €
CLR-UBASEC	U-Shaped Base (only)	178 × 178 mm	30392364	39,20

Aluminium Support Rods

Model	Description	Diameter	Item N°	Price €
CLR-RODA030	305 mm Aluminium Rod	13 mm	30392274	15,10
CLR-RODA046	457 mm Aluminium Rod	13 mm	30392275	16,30
CLR-RODA061	610 mm Aluminium Rod	13 mm	30392276	20,70
CLR-RODA091	914 mm Aluminium Rod	13 mm	30392277	23,10

Stainless Steel Support Rods

Model	Description	Diameter	Item N°	Price €
CLR-RODS030	305 mm Stainless Steel Rod	13 mm	30392296	20,70
CLR-RODS046	457 mm Stainless Steel Rod	13 mm	30392297	27,80
CLR-RODS061	610 mm Stainless Steel Rod	13 mm	30392298	34,50
CLR-RODS091	914 mm Stainless Steel Rod	13 mm	30392299	49,30



Rectangular Base Support Stand



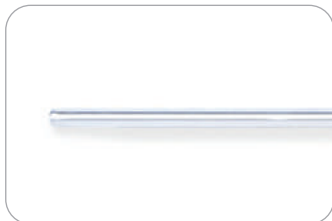
Tripod Base Support Stand



U-Shaped Base Support Stand



Aluminium Support Rods



Stainless Steel Support Rods

RODS, FRAMES, & SUPPORTS

Round Support Plate

Aluminium plate supports beakers, mantles and petri dishes. Fits standard lab-frames using connectors or holders, shown on pages 103-105.

Model	Description	Distance from Rod	Item N°	Price €
CLR-PLATEAR	152 mm	66 mm	30392342	74,60

Support Plates

Designed to hold hotplates, stirrers, hotplate-stirrers, and other apparatus to lab-frames or ring stands. Aluminium construction offers strength and durability. Support plates include a non-skid rubber mat and a built-in holder that grips rods up to 19 mm in diameter.

Model	Size	Plate Dimensions	Distance from Rod	Item N°	Price €
CLR-PLATEAS	Small	241 × 165 mm	48 mm	30392349	139,00
CLR-PLATEAL	Medium	324 × 229 mm	48 mm	30392350	219,00
CLR-PLATEAX	Large	400 × 305 mm	48 mm	30392351	271,00

OHAUS Aluminium Lab-Lifts

- Exceptional stability and durability
- Aluminium construction
- Three convenient sizes

Aluminium Lab-Lifts provide stable height adjustment for various items in the lab such as flasks, baths, and small equipment. Top and bottom decks are constructed of anodized aluminium. Internal supports and drive screws are constructed of stainless steel. Oversized sure-grip adjustment knobs provide smooth and accurate height adjustment. Lab-Lifts accept optional Support Rod Kit which mounts to the upper deck.



Model	Deck Size	Min. to Max. Height	Max. Load*	Item N°	Price €
CLR-LBLFTA010	102 × 102 mm	64 to 127 mm	29,94 kg	30400007	138,00
CLR-LBLFTA015	152 × 152 mm	76 to 248 mm	59,87 kg	30400008	171,00
CLR-LBLFTA020	203 × 203 mm	76 to 248 mm	79,83 kg	30400009	204,00
CLR-LBLFTA025	254 × 254 mm	89 to 330 mm	84,37 kg	30400010	267,00

*NOTE: Maximum load rating represents static weight only. Static weight is the amount a unit can hold, not lift.

OPTIONAL ACCESSORIES

432 mm Support Rod Kit

Ideal for creating an adjustable support stand for mounting various items such as thermometer clamps, temperature probes, flask and column clamps. This kit allows you to mount a 432 mm threaded vertical support rod to the upper deck of a 152 × 152 mm, 203 × 203 mm, 254 × 254 mm, 305 × 305 mm or 406 × 406 mm Lab-Lift by screwing the rod into the pre-drilled hole.

432 mm Support Rod Kit includes:

- 25 - 432 mm Stainless Steel Rod
- 1 - Jam Nut
- 1 - Flat Washer



Model	Description	Rod Diameter	Item N°	Price €
	432 mm Support Rod Kit	13 mm	30400050	31,20



Round Support Plate



Support Plates

RODS, FRAMES, & SUPPORTS

OHAUS Heavy-Duty Lab-Lifts

- Stainless steel construction
- Seven convenient sizes to choose from
- Autoclavable and chemical resistant

These Heavy-Duty, Stainless Steel Lab-Lifts are ultra-stable lifting platforms with exceptional strength and durability. Constructed of stainless steel, Lab-Lifts are designed for use in extreme environments and high load applications. Equipped with oversized, sure-grip adjustment knobs that provide extra leverage for easy height adjustments. Durable construction allows lifts to be autoclaved or chemically cleaned. Ideal for use in fume hoods or bench tops and holds a variety of items such as glassware, hotplates, baths, and magnetic stirrers.



Model	Deck Size	Min. to Max. Height	Max. Load*	Item N°	Price €
CLR-LBLFTS008	76 × 76 mm	64 to 127 mm	45,36 kg	30400000	178,50
CLR-LBLFTS010	102 × 102 mm	64 to 127 mm	45,36 kg	30400001	212,00
CLR-LBLFTS015	152 × 152 mm	76 to 248 mm	60,33 kg	30400002	218,00
CLR-LBLFTS020	203 × 203 mm	76 to 248 mm	102,97 kg	30400003	297,00
CLR-LBLFTS025	254 × 254 mm	89 to 330 mm	112,04 kg	30400004	318,00
CLR-LBLFTS030	305 × 305 mm	102 to 495 mm	45,36 kg	30400005	845,00
CLR-LBLFTS041	406 × 406 mm	102 to 495 mm	45,36 kg	30400006	1495,00

*NOTE: Maximum load rating represents static weight only. Static weight is the amount a unit can hold, not lift.

OPTIONAL ACCESSORIES

432 mm Support Rod Kit

Ideal for creating an adjustable support stand for mounting various items such as thermometer clamps, temperature probes, flask and column clamps. This kit allows you to mount a 432 mm threaded vertical support rod to the upper deck of a 152 × 152 mm, 203 × 203 mm, 254 × 254 mm, 305 × 305 mm or 406 × 406 mm Lab-Lift by screwing the rod into the pre-drilled hole.



432 mm Support Rod Kit includes:

- 25 - 432 mm Stainless Steel Rod
- 1 - Jam Nut
- 1 - Flat Washer

Model	Description	Rod Diameter	Item N°	Price €
	432 mm Support Rod Kit	13 mm	30400050	31,20

Ratchet Tool

Designed to add extra leverage to your 305 × 305 mm or 406 × 406 mm Lab-Lift. This recommended Ratchet Tool easily attaches to the actuating rod to allow easy, accurate adjustments.

Model	Description	Item N°	Price €
	Ratchet Tool	30400049	64,40



Ratchet Tool

RODS, FRAMES, & SUPPORTS

Cylinder Bench Clamps

Rugged cast aluminium clamps safely secure gas cylinders to benches, tables or other flat surfaces up to 64 mm thick. The 25 mm wide, 1372 mm long nylon strap features a nickel-plated, non-slip spring catch and buckle for easy adjustment around cylinders from 102 to 356 mm in diameter. Models 711 and 716 available with or without a "Secure Cylinder" safety message strap.

Model 711 Bench Clamp

This bench clamp has a large tightening handle for mounting to any flat surface up to 64 mm thick. A nylon pad prevents damage to the bench or table surface. Two tapered mounting screw holes are provided for permanent attachment to bench-top.

Model	Description	Dimensions L × W × H (closed)	Cylinder Diameter	Item N°	Price €
CLR-711	Model 711 Bench Clamp with Strap	83 × 133 × 165 mm	102 to 356 mm	30400020	65,30
CLR-711M	Model 711 Bench Clamp with Safety Message Strap	83 × 133 × 165 mm	102 to 356 mm	30400021	78,00

Model 716 Bench Clamp

This bench clamp is similar to Model 711, but includes a sturdy safety chain for extra security. Chain measures 1245 mm.

Model	Description	Dimensions L × W × H (closed)	Cylinder Diameter	Item N°	Price €
CLR-716	Model 716 Bench Clamp with Strap & Chain	83 × 133 × 165 mm	102 to 356 mm	30400026	71,00
CLR-716M	Model 716 Bench Clamp with Safety Message Strap & Chain	83 × 133 × 165 mm	102 to 356 mm	30400027	84,60

Model 712 Heavy-Duty Bench Clamp

This bench clamp has two screw clamps to tighten for extra firm mounting to any flat surface up to 45 mm thick with a 32 mm overhang. Especially convenient for temporary storage situations. Rugged cast aluminium bench clamp features a 25 mm wide, 1372 mm long nylon strap with nickel-plated, non-slip spring catch buckle to hold cylinders from 102 to 356 mm in diameter. This clamp is not available with a safety message strap.

Model	Description	Dimensions L × W × H (closed)	Cylinder Diameter	Item N°	Price €
CLR-712	Model 712 Heavy-Duty Bench Clamp with Strap	83 × 152 × 114 mm	102 to 356 mm	30400022	68,90



Model 711 Bench Clamp



Model 716 Bench Clamp



Model 712 Heavy-Duty Bench Clamp

RODS, FRAMES, & SUPPORTS

Model 715 Wall Bracket

Cylinder wall-mount brackets are constructed of cast aluminium and contoured to allow cylinders to fit firmly along the support edge. Recessed screw holes at each side of the bracket allow for easy wall mounting. Features a 25 mm wide, 1372 mm long nylon strap with nickel-plated, non-slip spring catch and buckle for fast, easy adjustment. Available with or without a "Secure Cylinder" safety message strap. For cylinders from 102 to 356 mm in diameter.

Model	Description	Dimensions L × W × H	Cylinder Diameter	Item N°	Price €
CLR-715	Model 715 Wall Bracket with Strap	48 × 206 × 118 mm	102 to 356 mm	30400024	58,60
CLR-715M	Model 715 Wall Bracket with Safety Message Strap	48 × 206 × 118 mm	102 to 356 mm	30400025	71,00

Model 717 Wall Bracket

This wall bracket is similar to Model 715, but includes a sturdy safety chain for extra security. Chain measures 1245 mm.

Model	Description	Dimensions L × W × H	Cylinder Diameter	Item N°	Price €
CLR-717	Model 717 Wall Bracket with Strap & Chain	48 × 206 × 118 mm	102 to 356 mm	30400028	65,30
CLR-717M	Model 717 Wall Bracket with Safety Message Strap & Chain	48 × 206 × 118 mm	102 to 356 mm	30400029	81,30



Model 715 Wall Bracket



Model 717 Wall Bracket

RODS, FRAMES, & SUPPORTS

Model 703 Stand

This cast aluminium stand hinges open and has 4 thumbscrews to tightly grip cylinders from 203 to 229 mm in diameter.

Model	Description	Cylinder Diameter	Dimensions (Dia. × H)	Item N°	Price €
CLR-703	Model 703 Stand	203 to 229 mm	464 × 152 mm	30400018	353,00

Model 704 Adjustable Stand

Heavy-duty, cast aluminium stand with adjustable "L" brackets hold cylinders from 152 to 235 mm in diameter. Hinges open for installation without lifting the cylinder or disturbing connections. Prevents accidental tipping. Hinges open for easy, no-lifting installation.

Model	Description	Dimensions (Dia. × H)	Cylinder Diameter	Item N°	Price €
CLR-704	Model 704 Adjustable Stand	470 × 191 mm	152 to 235 mm	30400019	392,00

Model 713 Portable Stand

This cast iron portable cylinder stand offers a sturdy cylinder stand and a convenient cylinder dolly all-in-one. This cylinder stand is designed in two interlocking halves and can be installed without lifting the tank. Built-in rubber wheels for easy mobility. Three thumbscrews tightly grip cylinder.

Model	Description	Dimensions (Dia. × H)	Cylinder Diameter	Item N°	Price €
CLR-713	Model 713 Portable Stand	394 × 76 mm	178 to 235 mm	30400023	403,00



Model 703 Stand



Model 704 Adjustable Stand



Model 713 Portable StandClamp

FLOW CONTROL CLAMPS

LabJaws flow control devices offer selection and quality. They are finely machined to deliver accurate regulation or interruption of fluid flow. Every flow control device resists corrosion and rust. Hosecocks offer easy one-hand operation. Convex bearing surfaces and rounded edges protect tubing. Pinchcocks are designed to quickly start and stop flow and provide complete closure without damaging tubing. Operated with a simple squeeze. Nickel-plated construction (unless otherwise noted).

Regular Hosecock

Adjustment screw with oversized head for accurate regulation. Built-in side lugs for foot mounting. Tubing retainer screw.

Stainless Steel

Model	Min. to Max. Grip	Dimensions (W × H - open)	Item N°	Price €
CLF-HKRGZ	0 to 17 mm	37 × 62 mm	30392221	59,70

Nickel-Plated Zinc

Model	Min. to Max. Grip	Dimensions (W × H - open)	Item N°	Price €
CLF-HKRGZ	0 to 17 mm	37 × 62 mm	30392210	24,30

MISC. NON-ELECTRICAL PRODUCTS

Inoculating Turntables

OHAUS hand-operated inoculating turntables produce almost concentric circles of bacterial colonies that are evenly distributed across petri dishes. Cast iron turntables are coated with gray baked acrylic enamel.

The 76 mm high, small turntable accommodates 100 mm petri dishes. It has a tripod base to bring work approximately to eye level. It has a center disk covered with non-skid rubber lining.

The large turntable accommodates 100 mm or 150 mm petri dishes. It has a height of only 32 mm ideal for steadying a forearm on the work surface while plating. The large turntable contains two circular sections. The top section has a raised gripper lip as well as a recessed center disk covered with non-skid rubber lining.

Model	Description	Dimensions (Dia. × H)	Item N°	Price €
CLN-INOTTS	Small Turntable	114 × 77 mm	30400046	161,50
CLN-INOTTL	Large Turntable	150 × 32 mm	30400047	189,50

Slide Staining Rack

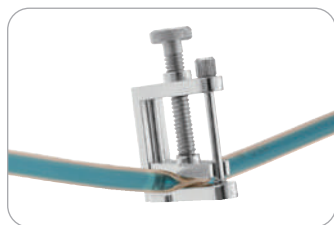
Constructed of stainless steel, the OHAUS Slide Staining Rack will resist corrosion under normal use. Adjustable to fit trays or sinks up to 533 mm inside.

Model	Description	Dimensions (L × W)	Item N°	Price €
CLN-STNRK	Slide Staining Rack	603 × 89 mm	30400048	66,60

Airejector

Rapid air removal evacuates 1 liter of air to 711 mm of vacuum in 30 seconds. Works with compressed air sources to 60 psi. Nickel-plated construction.

Model	Description	Length	Item N°	Price €
CLN-AIREJ	Airejector	140 mm	30392367	106,50



30392221



Inoculating Turntables



Slide Staining Rack



Airejector

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