

Peptide Synthesis Equipment Catalogue 2023/2024

Kamush®

Unique, with integrated
diaphragm pump for SPPS



Adjustable speed
and amplitude

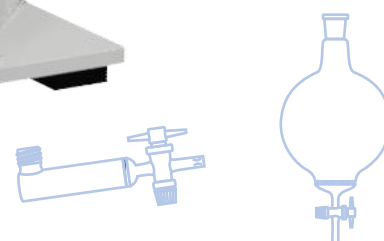
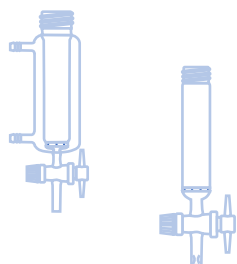
Integrated timer with
„shaking off” function

Double sided, for two
clamps*

* adapters for more vessels available

Membrane control panel
with LCD display

Automatic return to
position „0”



LP360AMPv



LP500AV
Aspirator



LP015RSk
Shaker



LPe esquare
Evaporator

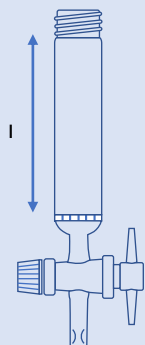


LP400SMd
Stirrer

See [more products on: www.kamush.com](http://www.kamush.com)

All glass reactors are made from high-quality borosilicate glass 3.3. They are equipped with a glass valves with a teflon (PTFE) stopcocks and porous glass filters (G2 porosity). We also produce other vessels in accordance with the customer's outlines.

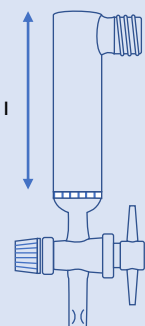
Solid-phase peptide synthesis vessel



Cat. PVS0020

Cat.	vol (ml)	l (mm)	OD (mm)	thread
PVS0002	2	25	12	GL14
PVS0003	3	40	12	GL14
PVS0005	5	65	12	GL14
PVS0005w	5	35	16	GL18
PVS0010	10	70	16	GL18
PVS0010w	10	40	22	GL25
PVS0020	20	75	22	GL25
PVS0020w	20	50	28	GL32
PVS0040	40	100	28	GL32
PVS0050w	50	55	40	GL45
PVS0100	100	100	40	GL45
PVS0250	250	125	54	GL45
PVS0500	500	150	70	GL45

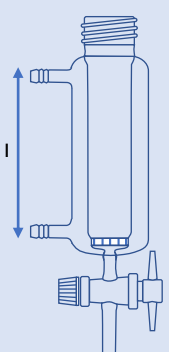
Solid-phase peptide synthesis vessel, side thread



Cat. PVC0025

Cat.	vol (ml)	l (mm)	OD (mm)	thread
PVC0006	6	45	16	GL14
PVC0016	16	65	20	GL14
PVC0025	25	85	22	GL18
PVC0050	50	100	28	GL18
PVC0100	100	95	40	GL25
PVC0250	250	125	54	GL25
PVC0500	500	150	70	GL25

Solid-phase peptide synthesis vessel (jacketed vessels)



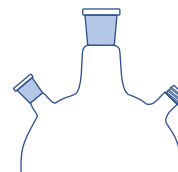
Cat. PVT0025

Cat.	vol (ml)	l (mm)	OD (mm)	thread
PVT0005	5	65	12	GL14
PVT0010	10	70	16	GL18
PVT0025	25	100	20	GL25
PVT0050	50	100	28	GL32
PVT0100	100	100	40	GL45
PVT0150	150	150	40	GL45

Note: Sizes may vary among different production lots of the same item. For exact sizes please contact us.

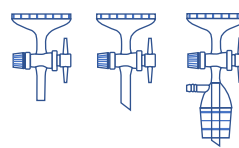
Round flask vessel

1 Side necks

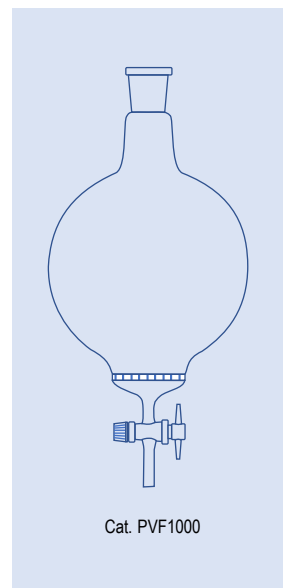


On request: side neck with threads or joints and custom types of underside.

2 Types of outlets



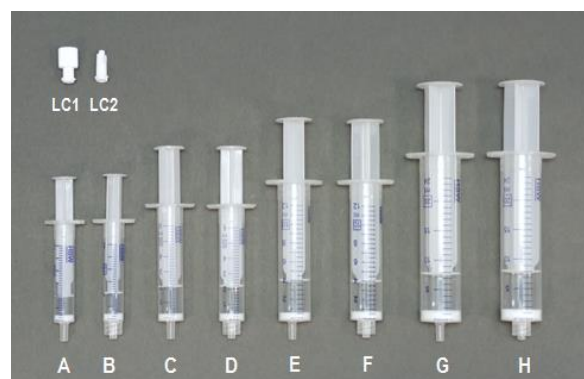
Out 1 Out 2 Out 3



Cat. PVF1000

Cat.	volume (ml)	OD (mm)	ground
PVF0250	250	85	29/32
PVF0500	500	100	29/32
PVF1000	1000	130	29/32
PVF2000	2000	160	29/32

Polypropylene vessels with filter



	Cat.	Volume (ml)	Luer
A	PPV003	3	Luer
B	PPV003L	3	Luer lock
C	PPV006	6	Luer
D	PPV006L	6	Luer lock
E	PPV012	12	Luer
F	PPV012L	12	Luer lock
G	PPV024	24	Luer
H	PPV024L	24	Luer lock
LC1	PPVLC1	Cap for luer and luer lock (10 pcs)	
LC2	PPVLC2	Cap for luer and luer lock (10 pcs)	

Adaptors for vessels, bottles and columns

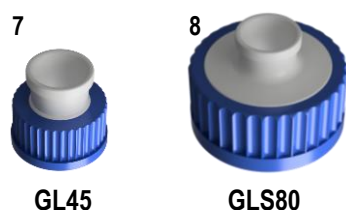
Adaptors for stirrers (for rod 8 mm)



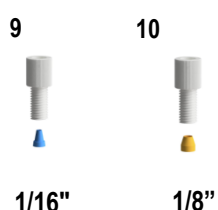
Adaptors for reactors (polypropylene)



Caps with joint 29/32 (PTFE)



Nuts and ferrules



Caps for LC columns (with 1/4 - 28" thread connection)



Cat.		Adapter type
1	ADA001	GL45, 8 mm inlet GL18 PTFE thread *
2	ADA002	GLS80, 8 mm inlet GL18 PTFE thread *
3	ADA003	29/32 PTFE joint, 8 mm inlet, GL18 thread *
4	ADA004	GL45, 8 mm inlet GL18, side 2 x GL14 (loop 6,4 mm) **
5	ADA005	GLS80, inlet joint 29/32, 3 x 14/23 joint
6	ADA006	GLS80, 8 mm inlet GL18 (central hole) **, 2 x GL14 (loop 6,4 mm) + 1 x GL18 (loop 10 mm)
7	ADA007	GL45 with PTFE hole for 29/32 joint
8	ADA008	GLS80 with PTFE hole for 29/32 joint
9	NUF016	Nut/ferrule for 1/16" tube (1/4 - 28" threaded nut)
10	NUF008	Nut/ferrule for 1/8" tube (1/4 - 28" threaded nut)
11	CLC018	Cap with GL18 and 1/4" - 28 thread (PTFE)
12	CLC025	Cap with GL25 and 1/4" - 28 thread (PTFE)
13	CLC032	Cap with GL32 and 1/4" - 28 thread (PTFE)
14	CLC045	Cap with GL45 and 1/4" - 28 thread (PTFE)

* Adapters equipped with screw with hole (GL18) and PTFE coated o-rings inside.

** A cap with a hole and an o-ring in teflon are needed for stirring purposes.

If you need other teflon (PTFE), poliacetale (POM) or polypropylene (PP) adaptors, please contact us.

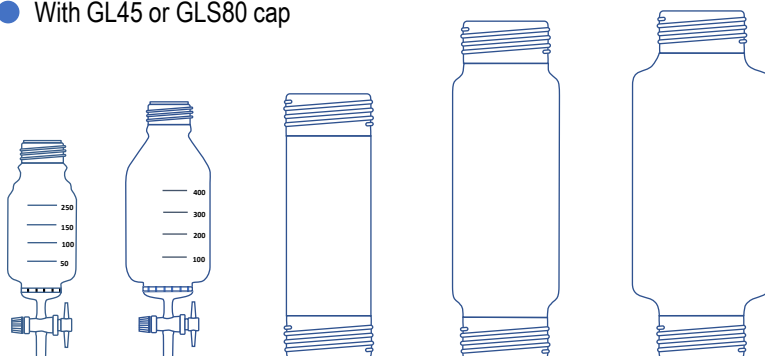
Large scale synthesis vessels

Cat.	Volume (ml)	OD (mm)	Thread
PVR0250	250	70	GL45
PVR0500	500	88	GL45
PVR1000	1000	80	GLS80
PVR2000	2000	100	GLS80
PVR3000	3000	130	GLS80

Contact us for GLS80 mixing adapter. We can deliver adapter with 2 leaves (20 to 120 mm paddle diameter) PTFE stirrer with PTFE stainless steel coated rod (diam. 8 mm) and GL type ports. For other adapter send a question.

Note: Sizes may vary among different production lots of the same item.

With GL45 or GLS80 cap



Filter diameters: 250 ml GL45: 40 mm, 500 ml GL45: 50 mm

Double threaded glass reactors need filter/valve adapter (see page 11)

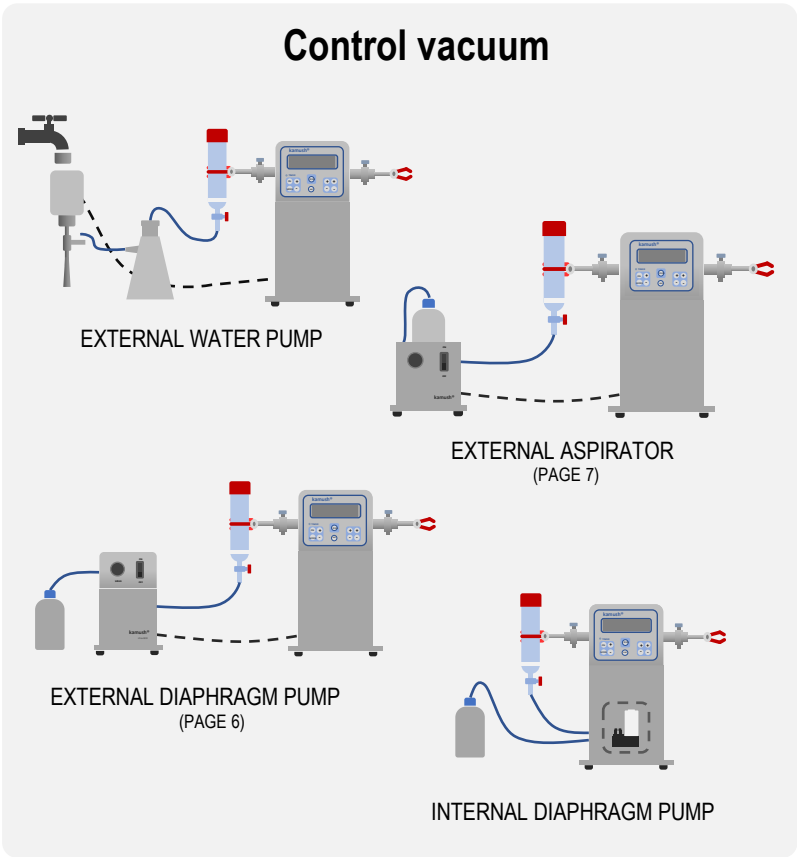
Advanced Peptide Shakers LP360AMP and LP360AMPv



LP360AMP/LP360AMPv *

Movement	Adjustable rocking angle (15, 30, 45, 60, 90, 120 and 180°) and full rotation
Speed	9 speed levels from 4 to 120 rpm (depends on amplitude)
Timer	Up to 24 h
Control	Keyboard panel
Voltage	100 - 240 V AC (24 V DC)
Weight	4.4 / 4.6 kg
Dimensions (h x w x d)	275 x 220 x 140 mm
Cat.	LPS360AMP / LPS360AMPV

* with vacuum pump, 250 ml / min, for high-boiling solvents, e.g. DMF.
Both are self-levelling (can be turned off) and contain socket for external pumps.



Solid phase synthesis shakers



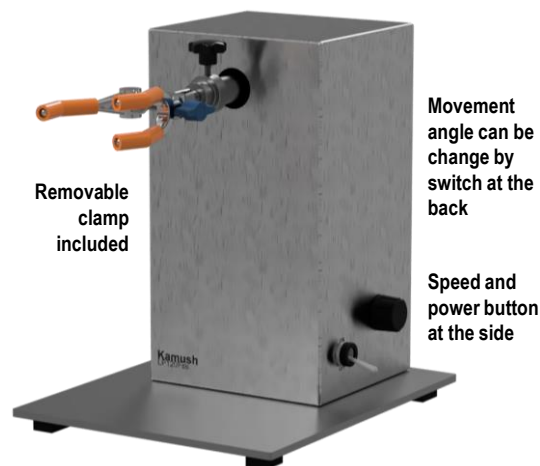
LP360AMPk	LP360PRO	LP180Fk / LP180Ak	LP180F / LP180A
Two-sided shaking	Two-sided shaking	One-sided shaking	One-sided shaking
Adjustable angle (15, 30, 45, 60, 90, 120 and 180°) and full rotation (360°)	Adjustable angle (15, 30, 45, 60, 90, 120 and 180°) or full rotation (360°)	Fixed 180° or adjustable angle (15° - 360° - LP180Ak)	Fixed 180° or adjustable angle (15° - 360° - LP180A)
Digital speed control by knob	Adjustable speed and work direction (9 speed levels)	Digital speed control by knob	Speed control by button
Built-in timer	-	-	-
Voltage: 100 - 240 V AC (24 V DC)	Voltage: 100 - 240 V AC (24 V DC)	Voltage: 100 - 240 V AC (24 V DC)	Voltage: 100 - 240 V AC (24 V DC)
Weight: 4.3 kg	Weight: 2.1 kg	Weight: 2.5 kg	Weight: 2.5 kg
Dimensions (h x w x d): 275 x 220 x 140 mm	Dimensions (h x w x d): 195 x 155 x 140 mm	Dimensions (h x w x d): 210 x 180 x 100 mm	Dimensions (h x w x d): 210 x 180 x 100 mm
Cat. LPS360AMPK	Cat. LPS360PRO	Cat. LPS180FK / LPS180AK	Cat. LPS180F / LP180A

* All shaker are supplied with clamps.

Kamush shakers LP120AKs nad LP120FKs

- Optimum operation with our waste vacuum aspirator (page 7)
- Works with high loads (up to 0.5 kg)

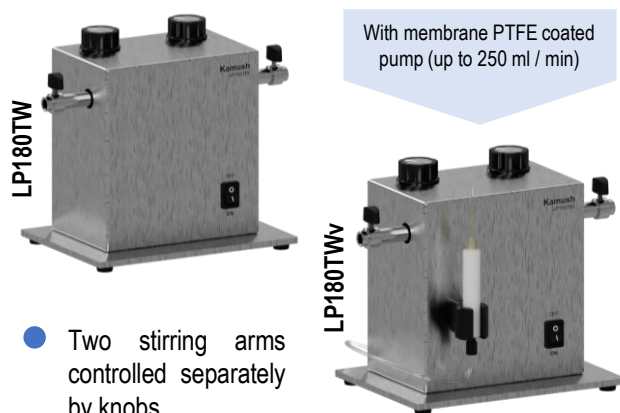
	LP120AKs	LP120FKs
Movement type	Adjustable angle (15, 30, 45, 60, 90, 120 and 180°) and full rotation (360°)	Adjustable angle (15, 30, 45, 60, 90 and 120°) - mechanical twist lock
Control	Power button, knob	From the side
Voltage	100 - 240 V AC (24 V DC)	100 - 240 V AC (24 V DC)
Weight	Approx. 4 kg	Approx. 4 kg
Dimensions (h x w x d)	260 x 200 x 240 mm	260 x 200 x 240 mm
Cat.	HL0120AKS	HL0120FKS



- Stainless steel housing

- Suitable for use with valve washer (page 12) or high loads

Kamush Twin Shaker with two independent motors LP180TW and LP180TWv



	LP180TW	LP180TWv
Movement type	Adjustable angle (15, 30, 45, 60, 90, 120 and 180 °) and full rotation (360 °) (Switch at the back)	
Speed	Adjustable	Adjustable
Control	Power button, digital knobs	Power button, digital knobs
Pump control	-	Automatic (magnetic sensor)
Voltage	100 - 240 V AC (24 V DC)	100 - 240 V AC (24 V DC)
Weight	3.0 kg	3.2 kg
Dimenions (h x w x d)	170 x 210 x 130 mm	170 x 210 x 130 mm
Cat.	TW0180	TW0180V

Devices designed for shaking small vessels, falcons or syringes. Available handles page 8.

Pumps are not suitable for low-boiling liquids (risk of cavitation).

Universal laboratory shaker with rods LP015RSk and LP015RSks



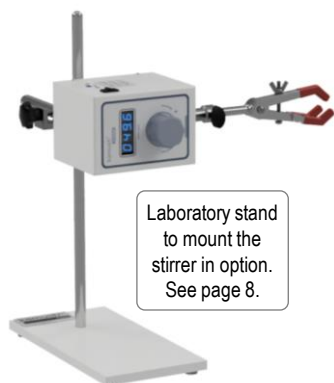
Available also with stainless steel cover (LP015RSks)

- The vessels can be mounted to the rods directly or by a dedicated aluminium bar *
- Synthesis in many vessels simultaneously

	LP015RSk/LP015RSks
Movement	Shaking at 15 °
Speed	Adjustable, max. 120 rpm
Timer	Built-in
Capacity	Max. 2 kg
Voltage	100 - 240 V AC (24 V DC)
Weight	Approx. 9 kg
Dimensions (h x w x d)	120 x 300 x 300 mm
Cat.	LPS015RSK / LPS015RSKS

* optional bar (cat. LP015BAR) allows mounting up to 11 clamps (rod max. 10 mm). Clamps sold separately (page 8).

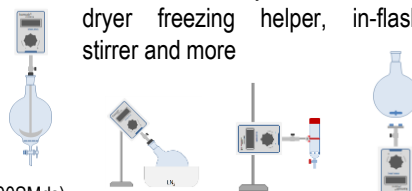
Multifunctional 2-in-1 shaker and low-speed stirrer LP400SMd and LP400SMds



Laboratory stand to mount the stirrer in option. See page 8.

Available also with stainless steel cover (LP400SMds)

- Working speed from 1 rpm
- In our offer several clamps and PTFE coated agitators
- Can work in any position to become laboratory shaker, freeze-dryer freezing helper, in-flask stirrer and more



	LP400SMd / LP400SMds
Movement	Adjustable angle (15, 30, 45, 60, 90, 120 and 180°) and full rotation (360°)
Max. cycl./min	15° - 360, 60° - 120, 180° - 40
Speed	max. 400 rpm at 360°
Max. vessel capacity	approx. 100 mL
Voltage	100 - 240 V AC (24 V DC)
Weight	1.4 kg (excluding stand)
Dimensions (h x w x d)	70 x 250 x 140 mm
Cat.	LSS400SMd / LSS400SMds

Platform rocking shaker LP20PR for syringes



- Full size and half size platforms are available. It is possible to use two half-size platforms at the same time.
- In standard, rocker is delivered with white POM platform with 16 clips for 3, 6, 12 and 24 ml PP syringe vessels. Please, choose preferable clip sizes when ordering.

- Compact size with removable platforms
- Stainless steel or POM platform available

Movement	Rocking, angle: 30°
Speed	max. 200 rpm
Timer	Built-in (max 2 h)
Weight	3.0 kg
Dimensions (h x w x d)	140 x 220 x 200 mm
Cat.	PP20PR

For more options and adapters, please visit www.kamush.com

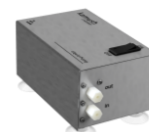
Diaphragm pumps and dosing pump

Pump motor speed control

Automatic start sensor



All pumps are designed for DMF-based solutions for peptide synthesis**



	LP500MP	LP250MP	LP400MP
Destiny	For solvent removal	For solvent removal	For liquids dosing
Flow rate	250 to 400 ml / min*	250 or 400 ml / min*	400 ml / min*
Pump type	PTFE coated membrane	PTFE coated membrane	PTFE coated membrane
Connectors	1/8" inlet, 1/4" outlet	1/8" inlet, 1/4" outlet	1/8" inlet and outlet
Control	Power button, knob	Power button	Power button
Weight	1.8 kg	1.2 kg	0.8 kg
Dimensions (h x w x d)	180 x 110 x 170 mm	140 x 85 x 130 mm	65 x 90 x 140 mm
Cat.	PP500MP	PP250MP	PP400MP

* depends on the type of fluid and drain tube length.

** pump not suitable for liquids with a low boiling point (cavitation causes boiling of low-boiling liquids, e.g. DCM, MeOH).

Vacuum waste aspirator

- Built-in internal vacuum pump
- 1-litre vacuum/pressure type bottle
- No contact of pump membrane with liquid chemicals
- For continuous vacuum aspiration of liquids (up to 500 ml / min)

Flow rate	Adjustable
Pump type	Gas membrane pump
Connectors	1/4" outlet, 1/8" inlet
Control	Power button, knob
Voltage	100 - 240 V AC (24 V DC)
Weight	2.5 kg
Dimensions (h x w x d)	140 x 140 x 250 mm
Cat.	ASP500VW



Automatic start when the tip is lifted (possibility to deactivate the function on the back of the device)

Stand holders for GL bottles

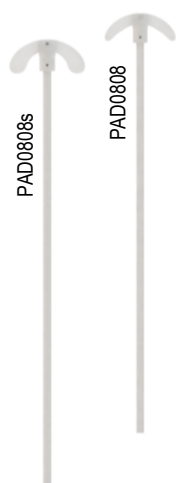
- Dedicated to most GL45 and GLS80 bottles, also with round bottom
- Stable stainless steel base 304
- Hole for rod (thread M8) in all stands*



Cat.	Art.
LP1.1BH0250	Single stand for 250 ml bottle
LP1.1BH0500	Single stand for 500 ml bottle
LP1.1BH1000	Single stand for 1000 mL bottle
LP1.1BH2000	Single stand for 2000 ml bottle
LP2.1BH0250	Double stand for 250 ml bottle
LP2.1BH0500	Double stand for 500 ml bottle
LP2.1BH1000	Double stand for 1000 ml bottle
LP2.1BH2000	Double stand for 2000 ml bottle

* all bottle racks have a threaded hole for attaching a stand rod

PTFE stirrer shafts with fixed and foldable paddles



Cat.	Opening dia. of stirrer blade	Rod length	Dia. of rod **
PAD0408/PAD0408s	40	300	8
PAD0508/PAD0508s	50	300	8
PAD0608/PAD0608s	60	400	8
PAD0708/PAD0708s	70	400	8
PAD0808/PAD0808s	80	400	8
PAD0908/PAD0908s	90	400	8
PAD1008/PAD1008s	100	400	8
PAD1202/PAD1202s	120	400	8

** diameter with PTFE coated stainless steel stirring rod 6 mm, for other diameter or length of rod contact us.

Foldable paddles



Normal blade



Wide blade

(*catalogue numbers with ,s)



More on page 3

Kamush heating clamp

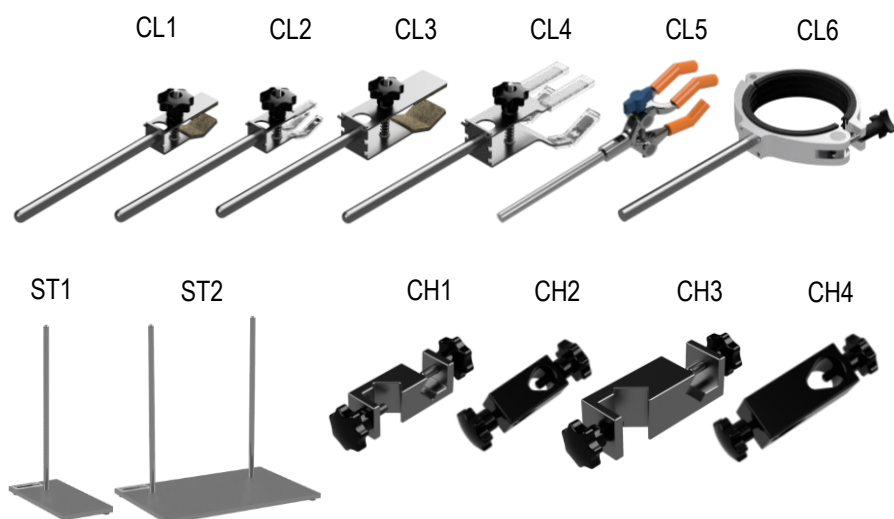
Modular heating clamp (utility model no. W.127550) is an alternative to jacketed synthesis vessel. Equipped with an aluminum heating block. Enables thermostating or heating laboratory vessels.

LP60HC	LP75HC
For vessels / tubes of 16, 22, 28 or 40 mm diameter	For vessels / tubes of 16, 22, 28 or 40 mm diameter
Max. Temp. 60 °C	Max. Temp. 75 °C
Voltage: 100 - 240 V AC (24 V DC)	Voltage: 100 - 240 V AC (24 V DC)
Cat. LHC60HC	Cat. LHC75HC

- No need to have water bath thermostat
- Easy method of replacing heating blocks and clamp rod for shorter (8 x 35 mm long)



Kamush stands, clamps and clamp holders



* clamps with rod 10 mm (160 mm long), easily replaceable with a rod 8 mm, 35 mm long (compatible with Kamush shakers).

	Cat.	Art.
CL1	CLA001	SS clamp type 1*, max 30 mm (rod 10 x 160 mm)
CL2	CLA002	SS clamp type 2*, max 35 mm (rod 10 x 160 mm)
CL3	CLA003	SS clamp type 3*, max 45 mm (rod 10 x 160 mm)
CL4	CLA004	SS clamp type 4*, max 45 mm (rod 10 x 160 mm)
CL5	CLA005	Universal clamp, max 80 mm (rod 8 x 160 mm)
CL6	CLA006	Ring clamp, diameters: 80, 90, 100 or 130 mm, (rod 12 x 160 mm)
ST1	LSS1525	SS stand (150 x 250 mm base, rod 12 x 500 mm)
ST2	LDS2545	SS stand (250 x 450 mm base, rod 12 x 500 mm)
CH1	CLH001	Clamp holder 12.5 mm
CH2	CLH002	Clamp holder 6 – 12.5 mm
CH3	CLH003	Clamp holder 16.5 mm
CH4	CLH004	Clamp holder 8 – 16.5 mm

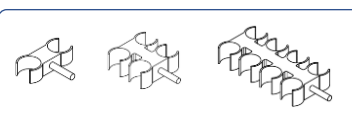
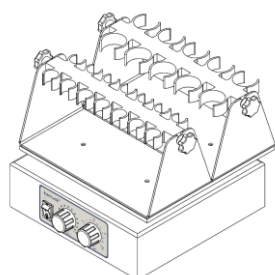
Easy clip-on and clip-off syringe and Falcon holders



- For 2, 4 or 8 syringes (3 ml or 6 ml or 12 ml or 24 ml)
- Holders can be equipped with threads to make them compatible with Kamush platform shakers



Suitable for QuEChERS extraction



Clip holders with rods 8 mm

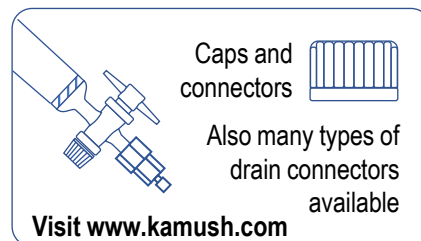
Cat.	Art.
CLH0202	For 2 Eppendorf Tubes®
CLH0204	For 4 Eppendorf Tubes®
CLH0208	For 8 Eppendorf Tubes®
CLH1502	For 2 slim Falcon tubes 15 ml
CLH1504	For 4 slim Falcon tubes 15 ml
CLH1408	For 8 slim Falcon tubes 15 ml
CLH5002	For 2 Falcon tubes 50 ml
CLH5004	For 4 Falcon tubes 50 ml
CLH5008	For 8 Falcon tubes 50 ml

Syringe holders with rods 8 mm

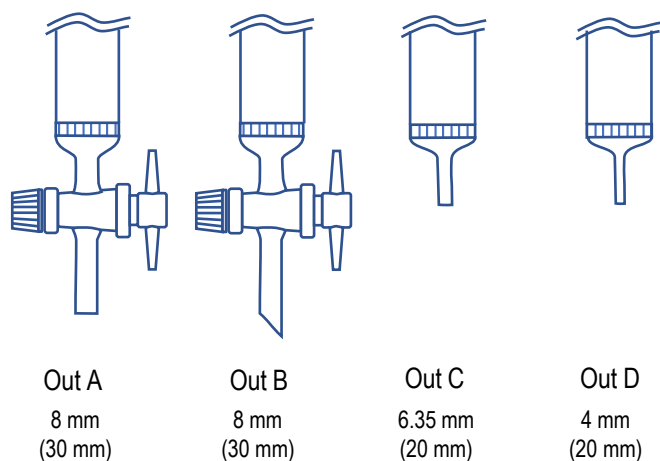
Cat.	Art.
CLH0302	For 2 syringes 3 ml
CLH0304	For 4 syringes 3 ml
CLH0308	For 8 syringes 3 ml
CLH0602	For 2 syringes 6 ml
CLH0604	For 4 syringes 6 ml
CLH0608	For 8 syringes 6 ml
CLH1202	For 2 syringes 12 ml
CLH1204	For 4 syringes 12 ml
CLH1208	For 8 syringes 12 ml
CLH2402	For 2 syringes 24 ml
CLH2404	For 4 syringes 24 ml
CLH2408	For 8 syringes 24 ml

Glass chromatography columns

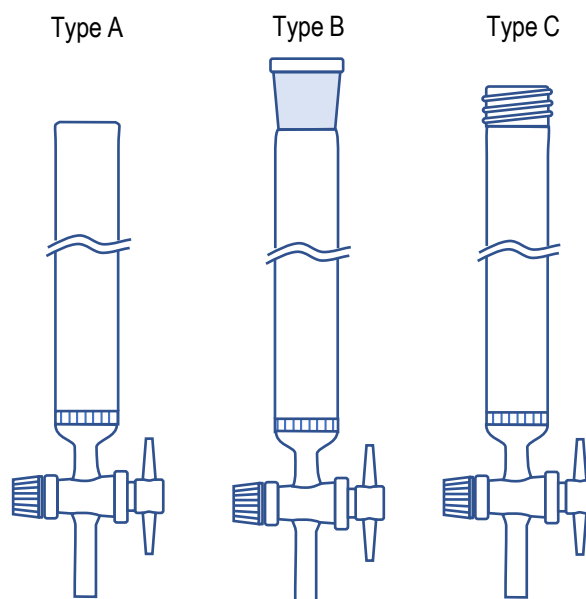
- 3.3 borosilicate glass with GL threads and glass G2 porous filter plate/disc PTFE valve (stopcock)
- Column volume from 10 to 5000 ml (custom production)
- Dedicated stand, clamps and different sizes of columns are available
- For customized vessels the delivery within 5-10 working days



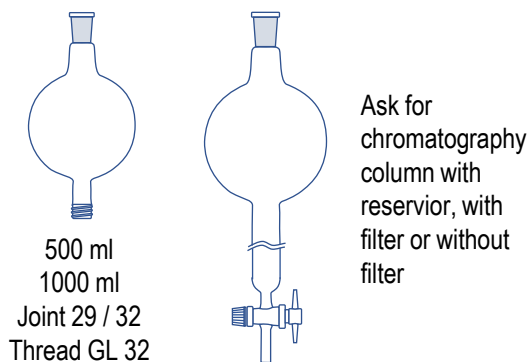
Types of column outlet



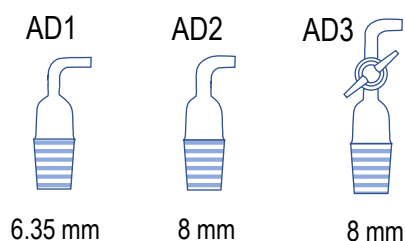
Types of column inlet



Reservoir flask for chromatography column with ground joint bottom



Glass cone adaptors (90 degree bent)

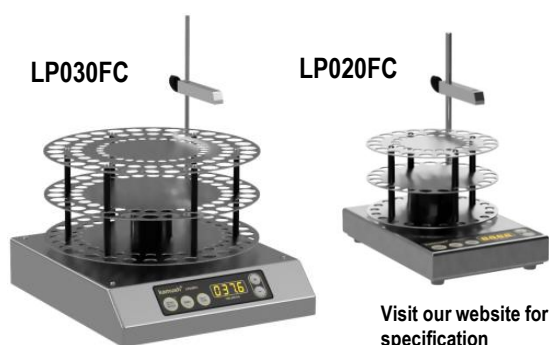


Size			Types of column inlet		
Diam. (mm)	Lenght (mm)	Vol (ml)	A	B	C
16				joint 14/23	thread GL18
	100	12	GCC16.100	GCC16.100j	GCC16.100t
	200	24	GCC16.200	GCC16.200j	GCC16.200t
	300	36	GCC16.300	GCC16.300j	GCC16.300t
	500	60	GCC16.500	GCC16.500j	GCC16.500t
22				joint 19/26	thread GL25
	100	25	GCC22.100	GCC22.100j	GCC22.100t
	200	50	GCC22.200	GCC22.200j	GCC22.200t
	300	75	GCC22.300	GCC22.300j	GCC22.300t
	500	125	GCC22.500	GCC22.500j	GCC22.500t
28				joint 24/29	thread GL32
	100	45	GCC28.100	GCC28.100j	GCC28.100t
	200	90	GCC28.200	GCC28.200j	GCC28.200t
	300	135	GCC28.300	GCC28.300j	GCC28.300t
	500	225	GCC28.500	GCC28.500j	GCC28.500t
40				joint 29/32	thread GL45
	100	100	GCC40.100	GCC40.100j	GCC40.100t
	200	200	GCC40.200	GCC40.200j	GCC40.200t
	300	300	GCC40.300	GCC40.300j	GCC40.300t
	500	500	GCC40.500	GCC40.500j	GCC40.500t

Joint	AD1	AD2	AD3
14/23	GCA6.1423	-	-
16/26	GCA6.1626	GCA8.1626	GCA8.1626v
24/29	GCA6.2429	GCA8.2429	GCA8.2429v
29/32	GCA6.2932	GCA8.2932	GCA8.2932v

Note: sizes may vary among different production lots of the same item.

Fraction collectors and racks

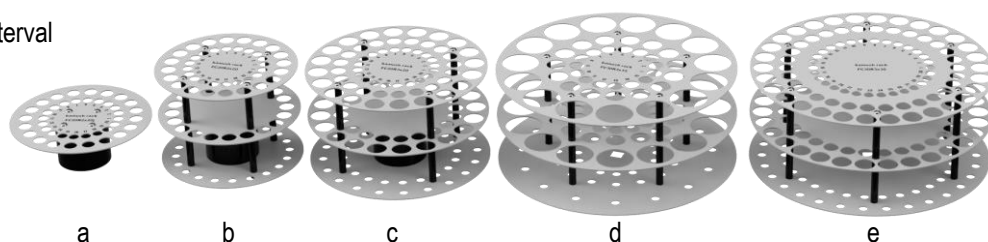


● Available stainless steel racks for fraction collectors:

	Rack (holes x hole diameter)	Compatibility	Cat.
a	20 x 8.5 mm, 20 x 11 mm	LP20FC	FC20R2x20j
b	20 x 8.5 mm, 20 x 12.5 mm	LP20FC	FC20R2x20
c	20 x 8.5 mm, 20 x 12.5 mm, 20 x 16.5 mm	LP20FC	FC20R3x20
d	15 x 12.5 mm, 15 x 16.5 mm, 15 x 30.5 mm	LP30FC	FC30R3x15
e	30 x 8.2 mm, 30 x 12.5 mm, 30 x 16.5 mm	LP30FC	FC30R3x30

*Additional racks for other tubes on request. Compatible with our column ovens.

- Easy control of the fraction change interval
- „Next tube” button for quick tube change when needed
- Can be equipped with every HPLC and LC system

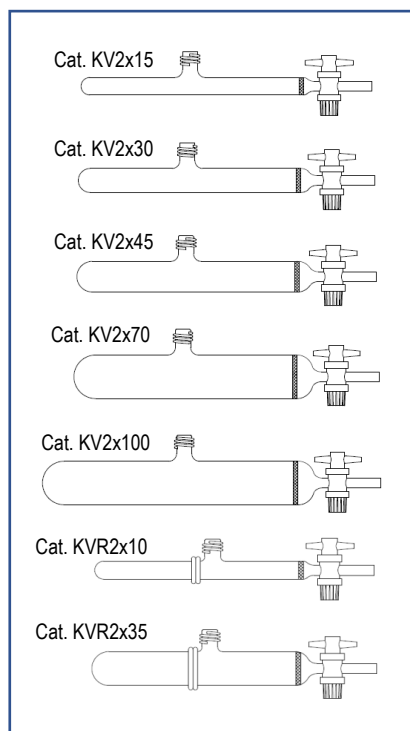


Kamysz vessel® for solid-phase peptide synthesis

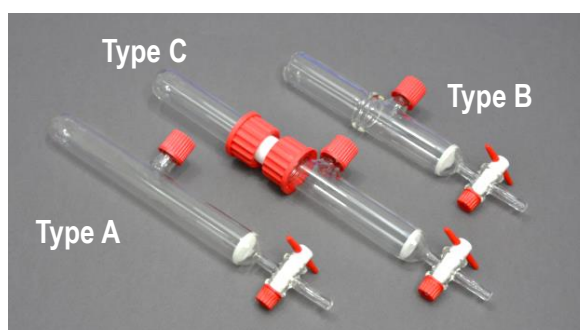
The **Kamysz vessel** is a modification of the **Merrifield solid-phase reactor**, designed for temperature-supported solid phase synthesis. The shape of the vessel allows to use it in a classic heating block (or devices of the **Kamush Skiller series**) without the need of transferring the content of the reaction time at an elevated temperature.

Placing the filling in the central part of the **Kamysz vessel** enables to work like in the classic Merrifield vessel (acylation, washing and draining reactions), while allowing the contents of the vessel to be heated in a conventional way (e.g. water bath, heating block) and **microwave**.

Kamysz vessel (EUIPO nr 002753277-0001) and a procedure of its use in the synthesis with the device Skiller



Cat.	TYPE A (without ring)
KV2x15	2x15 ml (OD 16 mm), GL18
KV2x30	2x30 ml (OD 22 mm), GL18
KV2x45	2x45 ml (OD 28 mm), GL18
KV2x70	2x70 ml (OD 40 mm), GL18
KV2x100	2x100 ml (OD 40 mm), GL18
	TYPE B (with ring)
KVR2x10	2x10 ml (OD 16 mm), GL18
KVR2x35	2x35 ml (OD 30 mm), GL18



The patented reaction vessel under the name "Kamysz vessel" type B (with ring) is compatible with most microwave reactors. Borosilicate glass provides microwave transmittance.

As a standard, the Kamysz vessels have an inlet port with a GL18 thread, a G2 porous glass filter and a cap with a PTFE coated membrane.

TYPE C

New (modular) - can be adopted to different types of adapters, GL and glass modules, with volumes from 15 ml to 100 ml

Contact us for details

Modular peptide vessels

Easy to build complete solid-phase reactor made of a double-threaded glass tube and an adapter containing porous filter G2 and a valve with a PTFE stopcock. The adapter includes a PTFE insert and an O-ring seal.



Threated glass tubes



Clear glass

Cat.	Vol (ml)	l (mm)	OD (mm)	Thread
PVM0010	10	80	16	2 x GL18
PVM0025	25	100	22	2 x GL25
PVM0050	50	115	28	2 x GL32
PVM0100	100	115	40	2 x GL45
PVM0150	150	170	40	2 x GL45
PVM0400	400	150	60	2 x GL45
PVM1000	1000	250	80	2 x GLS80
PVM2000	2000	320	100	2 x GLS80
PVM3000	3000	330	130	2 x GLS80

Amber glass

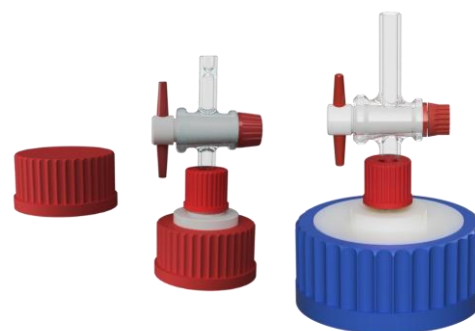
PVM0010A	10	100	16	2 x GL18
PVM0025A	25	115	22	2 x GL25
PVM0100A	100	130	40	2 x GL45

Glass tubes may vary in diameters (max 10%). If you need exact sizes/volumes please contact us.

Threated caps and filter/valve adapters*

Thread	Cap	Filter/valve
GL18	PVM18C	PVM18FV
GL25	PVM25C	PVM25FV
GL32	PVM32C	PVM32FV
GL45	PVM45C	PVM45FV
GLS80	PVM80C	PVM80FV

* adapters are equipped with G2 filter and glass valve (tube 8mm) with PTFE stopcock.



Note: Sizes of glass may vary among different production lots of the same item.

Double-wave UV lamp LP254/366UV



Cat. LPL2536UV

- Compact lamp, 254 and 366 nm with separated switch for each wavelength (2 x 6 W lamps)
- Two optional stands available. Lamp may be also hold by typical laboratory stand with clamp.



Stand LPL001UV



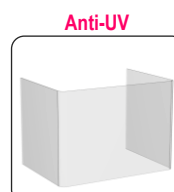
Chamber LPL002UV



Typical laboratory stand



Safety chamber LPL003UV



Chamber LPL004UV

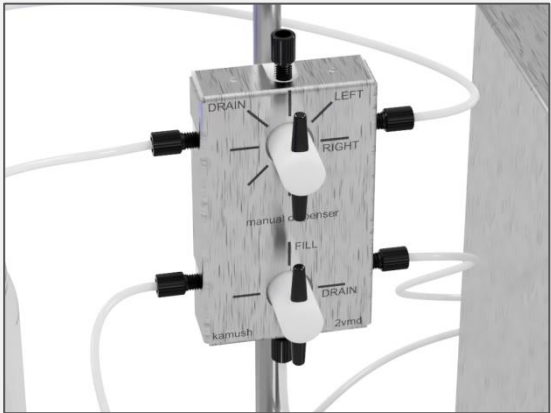
NEW - Protect your skin and eyes!

Optional safety chamber with openable polycarbonate lid (LP003UV) and plexiglass chamber (LP-004UV) block UV radiation.



Kamush Valve Washer – mini manual washer/peptide synthesizer

- In cooperation with vaccum pump (water, membrane) enables washing of the resin
- The Washer can be used with our shakers (max. amplitude 120 °)



- Works also with Kamush bottle stands (page 7) equipped with stand rod
- Kamush Valve Washer can be mounted on a laboratory stand or on a rod on a tripod on a bottle stand

Cat.	Art.
KVVW001	Kamush Valve Washer 2vmd
KVVW002	Stand for Kamush Valve Washer

Sample concentrator (evaporator) under gas atmosphere LPe esquare

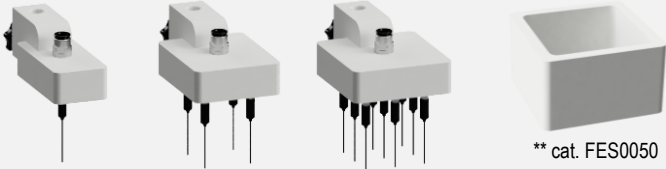
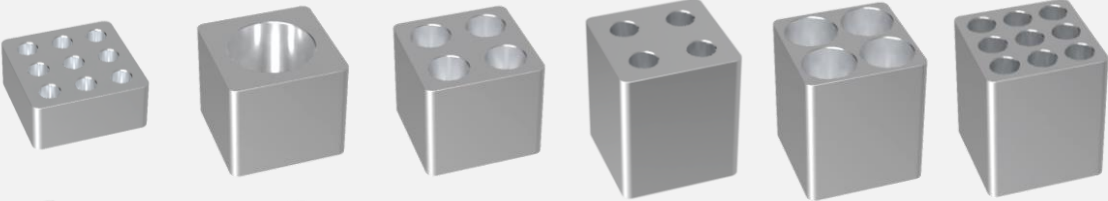


- Manual lowering of the gas supply head
- **Rotameter** with manual adjustment for precise gas dosing
- Compact temperature controller up to 110 °C
- Supply voltage 24 V

- Main parts made from PTFE and stainless steel

Aluminium blocks for sample concentrator

Cat.	Hole	Dimensions	Req. Head	Req. Cover**
AES0150	1 x 50 mm	70 x 70 x 60 mm	1-needle	2 x 30 mm
AES0430	4 x 30 mm	70 x 70 x 80 mm	4-needles	30 + 50 mm
AES0423	4 x 23 mm	70 x 70 x 60 mm	4-needles	2 x 30 mm
AES0416	4x 16 mm	70 x 70 x 80 mm	4-needles	30 + 50 mm
AES0916	9 x 16 mm	70 x 70 x 80 mm	9-needles	30 + 50 mm
AES0912	9 x 12 mm	70 x 70 x 30 mm	9-needles	30 mm



- Head with 1 needle – cat. HSC0001
- Head with 4 needles – cat. HSC0004
- Head with 9 needles – cat. HSC0009

** cat. FES0050

** cat. FES0030

Your local distributor:

We reserve the right to make technical alterations