

Dispenser Accessories
Elektric Pipette Filler
Pipette Stand Multi & Single Pipettes
Vacuum Aspiration System



Electric Pipette Filler



Vacuum Aspiration System



Pipette with variable volumes

Liquid Handling

Solutions for the Lab

The Idea ...

PHOENIX Instrument started with a new concept to comply customer demands for high-quality but also well-priced laboratory instruments.

The Implementation ...

Absolute customer orientation and satisfaction - is the focus of all activities of **PHOENIX Instrument**.

Your Benefit ...

As our customer you will take advantage of our long market experience, the attractive prices and the short delivery times. We guaranty comprehensive and competent consultations in all aspects and will always listen to your wishes, ideas and suggestions.

It goes without saying that **PHOENIX Instrument** offers a technical service if required.

Liquid Handling

Pipette function	page 3
Single-channel Pipettes	page 4
Multi-channel Pipettes, Dispenser / Pipette controller	page 5
Accessories: Tips, Stands, Filters, Adapter, Spare Battery	page 6
Vacuum Aspiration System VAS-10	page 7

Variable and Fix Pipettes • Single- & Multichannel Pipettes

Pipetting is one of the most important tasks in the laboratory. The new pipettes and pipette filler from PHOENIX INSTRUMENT offer a high level of ease of use at a very good price/performance ratio and the user must abstain neither from precision nor from an ergonomic design.

Phoenix Pipettes

- lightweight, ergonomic, low force design
- suitable for both left and right-handed users
- easy to calibrate and maintain with tool supplied
- fully autoclavable (model LHP2 only)
- calibration certificate according to DIN ISO 12650
- easy volume adjustment
- smooth tip ejection
- compatible with a wide range of tips
- 2 years warranty

Smooth mechanism for easy volume setting and pipetting

Finger support, for resting the pipette in either hand

Tip ejector for easy ejection without contamination

Clear readout of the volume settings via digital display

Serial-no. on each Pipette for better traceability

Durable tip cone with good chemical resistance

Volume Display



Variable and Fix Pipettes • Single- & Multichannel Pipettes

Measurements for all variable pipettes are made in the minimum, mean and maximum volume. The data shown are based on the mean volume.

Single channel pipettes, variable volume

Model	Inaccuracy (+/- in %)	Impression (< %)	Volume (μ l)
LHP1-V01	3,00	3,00	0,1 - 2,5
LHP1-V05	1,50	1,50	0,5 - 10
LHP1-V2	1,20	1,00	2 - 20
LHP1-V5	0,90	0,60	5 - 50
LHP1-V10	1,00	0,40	10 - 100
LHP1-V20	0,80	0,30	20 - 200
LHP1-V50	0,80	0,30	50 - 200
LHP1-V100	0,70	0,25	100 - 1000
LHP1-V200	0,70	0,25	200 - 1000
LHP1-V1000	0,60	0,30	1000 - 5000
LHP1-V2000	1,20	0,30	2000 - 10000



Single channel pipettes, fix volume autoclaveable

Model	Inaccuracy (+/- in %)	Impression (< %)	Volume (μ l)
LHP2-F5	1,30	1,20	5
LHP2-F10	0,80	0,80	10
LHP2-F20	0,60	0,50	20
LHP2-F25	0,50	0,30	25
LHP2-F50	0,50	0,30	50
LHP2-F100	0,50	0,30	100
LHP2-F200	0,40	0,20	200
LHP2-F250	0,40	0,20	250
LHP2-F500	0,30	0,20	500
LHP2-F1000	0,30	0,20	1000
LHP2-F2000	0,30	0,15	2000
LHP2-F5000	0,30	0,15	5000



Single channel pipettes, variable volume autoclaveable

Model	Inaccuracy (+/- in %)	Impression (< %)	Volume (μ l)
LHP2-V01	3,00	3,00	0,1 - 2,5
LHP2-V05	1,50	1,50	0,5 - 10
LHP2-V2	1,20	1,00	2 - 20
LHP2-V5	0,90	0,60	5 - 50
LHP2-V10	1,00	0,40	10 - 100
LHP2-V20	0,80	0,30	20 - 200
LHP2-V50	0,80	0,30	50 - 200
LHP2-V100	0,70	0,25	100 - 1000
LHP2-V200	0,70	0,25	200 - 1000
LHP2-V1000	0,60	0,30	1000 - 5000



Multi-Channel Pipettes



12-channel pipettes
variable volume, autoclavable

Model	Inaccuracy (+/- in %)	Imprecision (< %)	Volume (µl)
LHP2-1210	2,50	2,50	0,5 -10
LHP2-1220	1,50	1,00	5 - 50
LHP2-1230	1,00	0,50	50 - 300

8-channel pipettes
variable volume, autoclavable

Model	Inaccuracy (+/- in %)	Imprecision (< %)	Volume (µl)
LHP2-810	2,50	2,50	0,5 -10
LHP2-820	1,50	1,00	5 - 50
LHP2-830	1,00	0,50	50 - 300

Dispenser

The dispensers covers a volume range of 0,5-50 ml. They have an excellent chemical resistance and are fully autoclavable at 121 °C. Easy to clean and maintain.



Model	Description
LHD-V05	Dispenser 0,5-5 ml, with adapter GL 25-45
LHD-V1	Dispenser 1-10 ml with adapter GL 25-45
LHD-V2	Dispenser 2,5-25 ml with adapter GL 25-45
LHD-V5	Dispenser 5-50 ml with adapter GL 25-45



LHP-PH02 - Pipette Controller for all Pipettes up to 100 ml

The well-priced pipette controller can be used for all pipettes up to 100 ml.

Robust, but lightweight, easy to use and allow comfortable and precise pipetting.

It has an integral and replaceable 3 µm filter.

Model	Color
LHP-PH02	blue
LHP-PH03	red
LHP-PH04	green
LHP-PH05	yellow



LHP-PH01 • Electronic Pipette Filler for all Pipettes up to 100ml

The strong pump of the LHP-PH 01 offers 8 different aspirate speeds. The LCD-Display indicates the speed as well as the status of the rechargeable battery.

Aspiration and discharging will be controlled by two different knobs. The capacity of the strong accu is approx. 12 hours without charging. The controller is equipped with a built-in hydrophob filter which is replaceable. A fatigue-proof over hours is not a problem. The units are delivered with charging cable and wall-holder.



LCD-Display



LHP-PH01

Technical data	LHP-PH01
Aspirate speed	8, Display via LCD
Battery	Li/Ion-battery, charging time approx. 2 h
Battery run time	approx. 12 h under normal conditions
Pipette type	Glas- and plastic up to 100 ml
Display	LCD to display speed and battery status
Filter	0,45 µm hydrophob

Pipette Accessories

Pipette tips

LHP-PS 10	Pipette tips 0,5 - 20 µl , bag á 1000 pcs
LHP-PS 12	Pipette tips 1 - 200 µl yellow, bag á 1000 pcs
LHP-PS 14	Pipette tips 100 - 1000 µl blue, bag á 1000 pcs
LHP-PS 16	Pipette tips 1,0 - 5,0 ml, bag á 300 pcs
LHP-PS 18	Pipette tips 1,0 - 10,0 ml, bag á 100 pcs

Accessories Electronic Pipette Filler

LHP-PH10	3 x replaceable filter for electronic pipette filler, 0,45 µm
LHP-PH20	Replacement silicon adapter for electronic pipette filler
LHP-PH30	3 x Replacement filter 3 µm
LHP-PH42	Replacement battery for electronic pipette filler

Pipette Stands

LHP-PS01	Pipette stand linear, für 5 pipettes
LHP-PS02	Pipette stand round, für 6 pipetts



LHP-PS01

Vacuum Aspiration System VAS-10

The new Vacuum Aspiration system VAS-10 is ideal for aspiration of liquids from all kind of vessels. The 4-Liter Aspiration bottle is autoclavable and can easily be removed from the system by the quick opening device.

The integrated fluid level control prevents the overflow of the bottle. The maximum vacuum pressure of 600 mbar is free adjustable and adapts the system for many application.



Accessories (included)

VAS-E 20	1-channel stainless steel tip 60 mm, Φ 1,5 mm
VAS-E 21	1-channel stainless steel tip 60 mm, Φ 2,5 mm
VAS-E 25	1-channel stainless steel tip 120 mm, Φ 1,5 mm
VAS-E 26	1-channel stainless steel tip 120 mm, Φ 2,5 mm
VAS-E 30	8-channel stainless steel tip 60 mm
VAS-E 35	200 μ l tip adapter
VAS-E 36	1000 μ l tip adapter
VAS-E 40	200 μ l tip adapter, 8-channel



Technical data	VAS-10
Vacuum (adjustable)	0 - 600 mbar
Aspiration volume air	15 l/min
Aspiration volume fluid	17 ml/s
Dimension	180 x 240 x 450 mm
Weight	3 kg
Voltage	100-240V AC, 50/60 Hz
Bottle volume	4 liter PE, autoclavable

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