

Dispenser Accessories

Elektric Pipette Filler

Pipette Stand Multi & Single Pipettes

Vacuum Aspiration System



Electric Pipette Filler



Vacuum Aspiration Systems



Pipettes 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 / 5
Pipette Accessories	Page 5
Multi-Channel Pipettes	Page 6
Pipette Filler	Page 7
Pipette Controller	Page 8
Dispensers	Page 8 / 9
Vacuum Aspiration Systems	Page 10 / 11

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
- calibration certificate according to DIN ISO 12650
- easy volume adjustment
- smooth tip ejection
- compatible with a wide range of tips



Single Channel Pipettes LHP2



2 Years
Warranty

Single Channel Pipettes LHP2-F fix volume, autoclavable

Model	Volume (µl)	Inaccuracy (+/- in %)	Impression (< %)
LHP2-F5	5	1.30	1.20
LHP2-F10	10	0.80	0.80
LHP2-F20	20	0.60	0.50
LHP2-F25	25	0.50	0.30
LHP2-F50	50	0.50	0.30
LHP2-F100	100	0.50	0.30
LHP2-F200	200	0.40	0.20
LHP2-F250	250	0.40	0.20
LHP2-F500	500	0.30	0.20
LHP2-F1000	1,000	0.30	0.20
LHP2-F2000	2,000	0.30	0.15
LHP2-F5000	5,000	0.30	0.15

Single Channel Pipettes LHP2-V variable volume, autoclavable

Model	Volume (µl)	Inaccuracy (+/- in %)	Impression (< %)
LHP2-V01	0.1 - 2.5	3.00	3.00
LHP2-V05	0.5 - 10	1.50	1.50
LHP2-V2	2 - 20	1.20	1.00
LHP2-V5	5 - 50	0.90	0.60
LHP2-V10	10 - 100	1.00	0.40
LHP2-V20	20 - 200	0.80	0.30
LHP2-V50	50 - 200	0.80	0.30
LHP2-V100	100 - 1,000	0.70	0.25
LHP2-V200	200 - 1,000	0.70	0.25
LHP2-V1000	1,000 - 5,000	0.60	0.30

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

LHP2-F100



LHP2-V1000



LHP-PS01

HiPette - Fully Autoclavable Mechanical Pipette LHP3

The new generation of fully autoclavable manual pipettes is lightweight, precise, stable and durable. It adopts new piston structure, metal screw structure and other technologies to reduce the pipetting resistance.

It can withstand high temperature and high-pressure sterilization, resist strong chemical corrosion and have a long service life. In addition, the volume lock helps achieve more precise pipetting operations.

Ultra-light Body: The weight is less than 75 g, which can reduce fatigue and bring a comfortable pipetting experience.

Accurate Pipetting: new piston seal structure combined with metal screw to achieve more accurate pipetting and effectively reduce the pressing force.

Complete sterilization: Strong materials ensure HiPette can fully autoclavable, UV sterilizable and resistant strong chemical corrosion.

Smooth Knob Adjustment: Light and smooth range adjustment.

One Key Volume Lock Setting: Prevent pipetting errors caused by touching the adjusting knob by mistake.

Volume Display Window: The counter increment is one thousandth of the range, no calibration required for pipetting less than 50,000 times.

With Filter Element: Reduce volatile reagents into pipette body; avoid liquid backflow and prevent piston corrosion.

Forward pipetting and reverse pipetting:
Calibration certificate according to DIN ISO 12650
Compatible with a wide range of tips



Single Channel Pipettes HighPette LHP3 variable volume, autoclavable

Model	Volume (μl)	Inaccuracy (+/- in %)	Impression (< %)	Steps (μl)
LHP3-V01	0.1 - 2,5	0.03 / 2.5	0.02 / 1.5	0.002
LHP3-V05	0.5 - 10	0.03 / 2.6	0.02 / 1.6	0.002
LHP3-V2	2 - 20	0.03 / 2.7	0.02 / 1.7	0.002
LHP3-V5	5 - 50	0.03 / 2.8	0.02 / 1.8	0.002
LHP3-V10	10 - 100	0.03 / 2.9	0.02 / 1.9	0.002
LHP3-V20	20 - 200	0.03 / 2.10	0.02 / 1.10	0.002
LHP3-V30	30 - 300	0.03 / 2.11	0.02 / 1.11	0.002
LHP3-V100	100 - 1.000	0.03 / 2.12	0.02 / 1.12	0.002
LHP3-V500	500 - 1.000	0.03 / 2.13	0.02 / 1.13	0.002
LHP3-1000	1,000 - 5,000	0.03 / 2.14	0.02 / 1.14	0.002
LHP3-V2000	2,000 - 10,000	0.03 / 2.15	0.02 / 1.15	0.002

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

Pipette Accessories

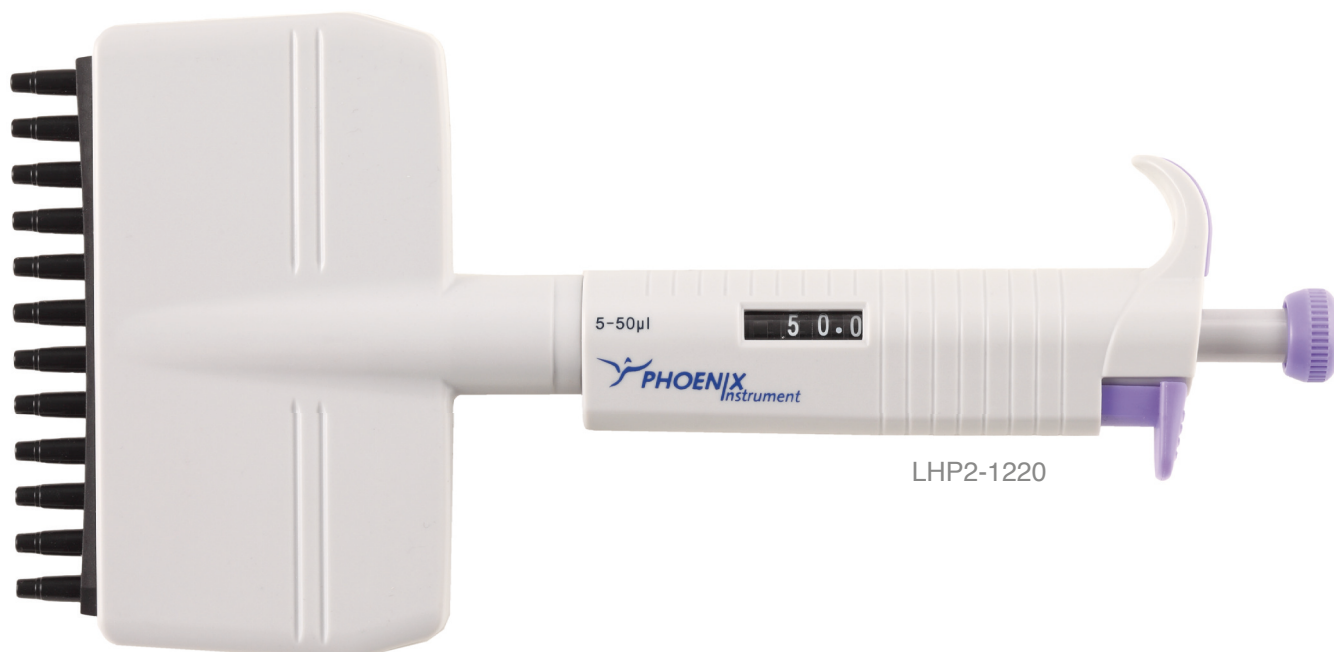
Pipette Tips

- LHP-PS 10 Pipette Tips 0.5 - 20 μl , bag á 1,000 pcs
- LHP-PS 12 Pipette Tips 1 - 200 μl yellow, bag á 1,000 pcs
- LHP-PS 14 Pipette Tips 100 - 1000 μl blue, bag á 1,000 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

Pipette Stands

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

12- and 8- Channel Pipettes



LHP2-1220

2 Years
Warranty

12-Channel Pipettes variable volume, autoclavable

Model	Volume (μ l)	Inaccuracy (+/- in %)	Imprecision (< %)
LHP2-1210	0.5 -10	2.50	2.50
LHP2-1220	5 - 50	1.50	1.00
LHP2-1230	50 - 300	1.00	0.50

8-Channel Pipettes variable volume, autoclavable

Model	Volume (μ l)	Inaccuracy (+/- in %)	Imprecision (< %)
LHP2-810	0.5 -10	2.50	2.50
LHP2-820	5 - 50	1.50	1.00
LHP2-830	50 - 300	1.00	0.50



Digital Volume Setting

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

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.



LHP-PH01



LED-Display

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

2 Years
Warranty

Technical Data

LHP-PH01

Aspirate speed	8, Display via LED
Battery	Li/Ion-battery, charging time approx. 2 h
Battery run time	Approx. 12 h (normal conditions)
Pipette type	Glas and plastic up to 100 ml
Display	LED to diplay speed and battery status
Filter	0,45 µm hydrophob

Pipette Controller for all Pipettes up to 100 mL LHP-PH02 / 03 / 04 / 05

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.

2 Years
Warranty

Model

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



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.

Fully
autoclavable



Model

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

Premium Bottle-Top Dispenser LHD-Plus

New developed and designed for safe, sturdy & stable dispensing directly from the bottle in the range of volumes up to 100 mL

Dispenser LHD-Plus

- High chemical compatibility with use of inert materials and glass/PTFE piston
- Easy to disassemble and clean for periodic maintenance
- Fully autoclavable at 121 °C to ensure sterility
- Available in 5 dispensing volume ranges from 0.5mL to 100mL
- Supplied with most popular adapters (S40, GL32, GL38, GL25, GL28)
- Fast, precise, and reproducible volume locking mechanism on a clear scale
- Reagent recovery function reduces reagent waste and prevents dripping when not in use
- 6 adapters to comfortably fit most laboratory reagent bottles
- Adjustable aspirating tube for different bottle height

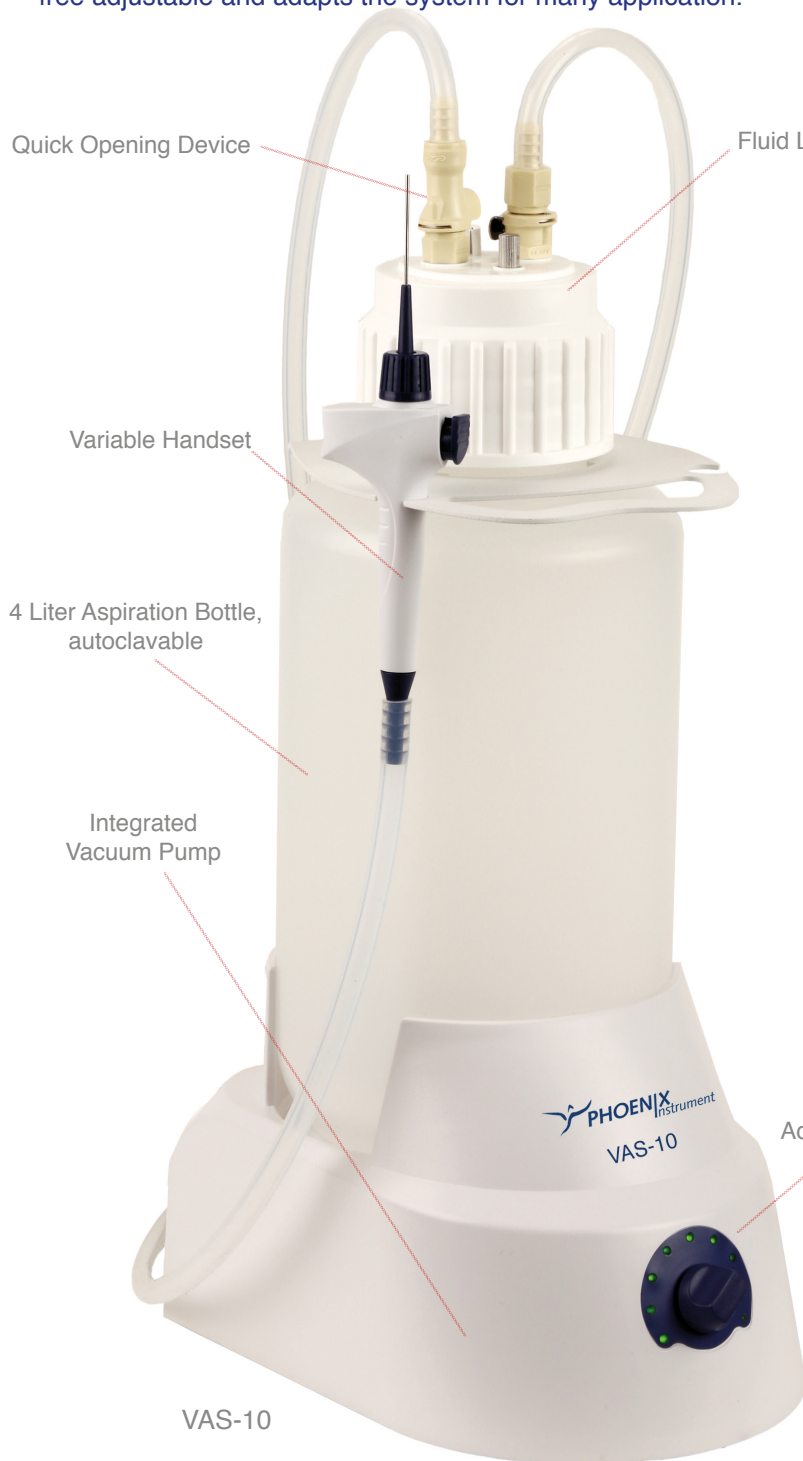


Model

LHD-V05 Plus	Dispenser 0.5 - 5 ml with adapter GL 25-45
LHD-V1 Plus	Dispenser 1-10 ml with adapter GL 25-45
LHD-V2 Plus	Dispenser 2.5 - 25 ml with adapter GL 25-45
LHD-V5 Plus	Dispenser 5 - 50 ml with adapter GL 25-45
LHD-V10 Plus	Dispenser 10 -100 ml with adapter GL 25-45

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 over ow of the bottle. The maximum vacuum pressure of 600 mbar is free adjustable and adapts the system for many application.



Accessories

(included in VAS-10 and VAS-ECO)

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



Adjustable Vacuum Pressure

Technical Data

VAS-10

Vacuum (adjustable)	0 to -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	100-240 VAC, 50/60 Hz
Bottle volume	4 Liter PE, autoclavable

Vacuum Aspiration System VAS-ECO

The new VAS-ECO extraction system is the low-cost alternative for all laboratory applications. Thanks to its compact design, the VAS-ECO fits in any fume cupboard and on any workbench.

The manual control unit can be flexibly at the touch of a button or in 2-stage continuous operation and the maximum negative pressure of 600 mbar can be freely adjusted. This allows it to be adapted to all tasks.

VAS-ECO

- Infinitely adjustable vacuum
- Extensive range of accessories
- compact design and 2 liter autoclavable bottle
- easy switching between manual and continuous suction
- the hydrophobic filter prevents contamination by aerosols and liquids
- Quiet, brushless motor

Additional Accessories (VAS-10 and VAS-ECO)

VAS-E 05	Handset without accessories
VAS-E 10	Bottle for VAS-10, 4 Liter autoclavable
VAS-E 11	Cap for VAS-10 complete
VAS-E 12	Bottle for VAS-ECO, 2 Liter autoclavable, incl. cap
VAS-E 20	1-channel stainless tip 60 mm, Φ 1.5 mm
VAS-E 21	1-channel stainless tip 60 mm, Φ 2.5
VAS-E 25	1-channel stainless tip 120 mm, Φ 1.5 mm
VAS-E 26	1-channel stainless tip 120 mm, Φ 2.5 mm
VAS-E 30	8-channel stainless tip 60 mm
VAS-E 35	200 μ l tip adapter
VAS-E 36	1,000 μ l tip adapter
VAS-E 40	200 μ l tip adapter, 8-channel
VAS-E 42	Filter 0.45 μ m, 1 pc.

Technical Data

VAS-ECO

Vacuum (adjustable)	-300 to -600 mbar
Aspiration volume air	8 l/min
Aspiration volume fluid	17 ml/s
Dimension	180 x 240 x 340 mm
Weight	2.8 kg
Voltage	100-240 VAC, 50/60 Hz
Bottle volume	2 Liter PE, autoclavable



VAS-ECO



Visit our website
www.Phoenix-Instrument.de

