



# Gilson Liquid Handling

Catalogue 2016-2017





# pipette selection guide

Choosing the right pipette for your application

PIPETTE SELECTION GUIDE					
	Description	Throughput	Comfort	Features	Page
Single Channel Air Displacement Pipettes	pipetman CLASSIC™	Low	✓✓	<b>Reliable, Accurate and Cost Effective</b> The original world renowned pipetting standard. PIPETMAN Fixed volume also available.	12-13
	pipetman NEO®	Low	✓✓	<b>An Evolution of the Classic</b> Lower pipetting and ejection forces reduce potential for RSI.	10
	pipetman G	Low to medium	✓✓✓✓	<b>Extremely Low Pipetting Forces</b> Ergonomic, easy to use with premium comfort and performance.	8-9
	pipetman L	Low to medium	✓✓✓✓✓	<b>Lowest Forces, Lightweight, Lockable Volume</b> Superior all-day comfort with lowest RSI potential. Volume locking system for secure pipetting. PIPETMAN L Fixed volume also available.	4-5
	pipetman m	Medium to high	✓✓✓✓✓	<b>Electronic Pipette, Guaranteed Performance</b> For enhanced productivity and comfort with guaranteed performance in standard and repetitive modes.	14-15
Multichannel Pipettes	pipetman NEO® multichannel	Medium to high	✓✓✓	<b>Robust Multichannel</b> Comfortable, reliable and best value for money.	11
	pipetman L multichannel	Medium to high	✓✓✓✓✓	<b>Ergonomic, Lightweight Multichannel</b> With lockable features for demanding pipetting routines.	6-7
	pipetman m multichannel	Medium to high	✓✓✓✓✓	<b>Enhanced Motorised Multichannel</b> Provides high throughput flexibility with simplest functionality and guaranteed performance.	16-17
Speciality Pipettes	microman®	Low	✓✓	<b>Our Original Positive-Displacement Pipette</b> Ideal for viscous or volatile samples.	20
	microman E	Low	✓✓✓✓	<b>Ergonomic Pipette for Problem Liquids</b> Enhanced new body for the highest precision and comfort.	18-19
Automation	platemaster™	High	✓✓✓✓✓	<b>Manual 96 Channel Pipetting</b> Simple and accurate, high throughput pipetting for 96 and 384 well plates.	34
	pipetmax®	High	✓✓✓✓✓	<b>Affordable Automation</b> Easy-to-use, automated liquid handling platform.	32-33



## welcome to Gilson

### How To Order

Ordering from Gilson has never been easier. You can order online, by phone, fax or email.

#### Choose your preferred ordering method

- Online: [www.pipetman.eu](http://www.pipetman.eu)
- Phone: +31 (0) 70 307 36 36
- Fax: +31 (0) 70 307 36 39
- E-mail: [sales-nl@gilson.com](mailto:sales-nl@gilson.com)

#### Gilson International B.V.

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The Netherlands

[www.gilson.com](http://www.gilson.com)

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PIPETMAN L is the new fully-adjustable, air displacement pipette based on ergonomics, comfort and traceability research. The newly designed body offers high comfort without sacrificing robustness, accuracy and precision.

Eight single-channel models cover a range of volumes from 0.2 µL to 10 mL.

### ONE OF THE LOWEST PIPETTING FORCES ON THE MARKET

- A new shape and mechanism for the tip ejection system dramatically reduce the tip ejection forces required.
- A new piston assembly has been developed which offers extremely low pipetting forces.

### IMPROVED COMFORT

- 1 To protect from Repetitive Strain Injuries (RSI), a new piston assembly drastically reduces forces.
- 2 New shape ensures a perfect fit while the new hook reduces tensions during handling.
- 3 To guarantee the volume delivered, a comfortable and reliable patented locking system has been developed.
- 4 An adjustable tip ejector button has been added to accommodate both right and left handed users.



### CLASSIC METAL OR PLASTIC EJECTORS

- Stainless steel or plastic ejectors are available with the same legendary PIPETMAN robustness.
- For easier dismantling and better fit, the pipette is equipped with the Gilson clip ejector which fits securely in place without risk of it slipping over time.

### OPTIMUM TRACEABILITY

- A 2D code that includes the product reference, date of manufacture, serial number and nominal volume.
- A universal scanner or a smartphone\* is sufficient to download pipette information.

\*Data matrix barcode on PIPETMAN L is readable with a smartphone by simply downloading a special application used for universal barcodes.



### PIPETMAN L STARTER KITS

PIPETMAN L Starter Kit	Ordering Reference	PIPETMAN L Models	PIPETMAN Tips (racks of 96 tips)	Accessories
PIPETMAN L Micro-Volume Kit	F167550	P2L P10L P100L	DL10 D200	• 3 SINGLE Pipette Holders • 3 Plastic Ejectors • 1 Gilson Guide to Pipetting • 1 Two Minute Inspection Poster
PIPETMAN L Starter Kit	F167350	P20L P200L P1000L	D200 D1000	• 3 SINGLE Pipette Holders • 3 Plastic Ejectors • 1 Gilson Guide to Pipetting • 1 Two Minute Inspection Poster



PIPETMAN L Models	PIPETMAN DIAMOND Tips*	Ordering Reference Part Numbers / Price £ €		Volume (µL)	Maximum Permissible Errors				
		With stainless steel ejector	With plastic ejector		Gilson		ISO 8655		
					Systematic error (µL)	Random error (µL)	Systematic error (µL)	Random error (µL)	
P2L	D10 DL10	DF10 DFL10	FA10001M	FA10001P	0.2	± 0.024	≤ 0.012	± 0.08	≤ 0.04
					0.5	± 0.025	≤ 0.012	± 0.08	≤ 0.04
					1	± 0.027	≤ 0.013	± 0.08	≤ 0.04
					2	± 0.030	≤ 0.014	± 0.08	≤ 0.04
P10L	D10 DL10	DF10 DFL10	FA10002M	FA10002P	1	± 0.025	≤ 0.012	± 0.12	≤ 0.08
					5	± 0.075	≤ 0.030	± 0.12	≤ 0.08
					10	± 0.100	≤ 0.040	± 0.12	≤ 0.08
P20L	D200	DF30	FA10003M	FA10003P	2	± 0.10	≤ 0.030	± 0.2	≤ 0.1
					10	± 0.10	≤ 0.050	± 0.2	≤ 0.1
					20	± 0.20	≤ 0.060	± 0.2	≤ 0.1
P100L	D200	DF100	FA10004M	FA10004P	10	± 0.35	≤ 0.10	± 0.8	≤ 0.3
					50	± 0.40	≤ 0.12	± 0.8	≤ 0.3
					100	± 0.80	≤ 0.15	± 0.8	≤ 0.3
P200L	D200 D300	DF200 DF300	FA10005M	FA10005P	20	± 0.50	≤ 0.20	± 1.6	≤ 0.6
					100	± 0.80	≤ 0.25	± 1.6	≤ 0.6
					200	± 1.60	≤ 0.30	± 1.6	≤ 0.6
P1000L	D1000 D1200	DF1000 DF1200	FA10006M	FA10006P	100	± 3.0	≤ 0.6	± 8.0	≤ 3.0
					500	± 4.0	≤ 1.0	± 8.0	≤ 3.0
					1000	± 8.0	≤ 1.5	± 8.0	≤ 3.0
P5000L	D5000		FA10007**		500	± 12	≤ 3	± 40	≤ 15.0
					2500	± 15	≤ 5	± 40	≤ 15.0
					5000	± 30	≤ 8	± 40	≤ 15.0
P10mL L	D10mL		FA10008**		1000	± 30	≤ 6	± 60	≤ 30.0
					5000	± 40	≤ 10	± 60	≤ 30.0
					10000	± 60	≤ 16	± 60	≤ 30.0

\* Recommended tips for establishing maximum permissible errors (ISO 8655 requirement). A large range of suitable PIPETMAN DIAMOND Tips is available. (See pages 30-31).  
\*\* P5000L and P10mL L do not have tip ejectors.



### FIXED VOLUME - SIMPLY ROBUST RESULTS

- PIPETMAN L is also available as a fixed volume pipette, ensuring high quality and robust results in the easiest and lightest way.
- Fifteen models cover a range of volumes from 1 µL to 5000 µL.
- Order online at [www.pipetman.eu](http://www.pipetman.eu)



PIPETMAN L FIXED	Volume (µL)	Order Ref
F1L	1	FA10017
F2L	2	FA10018
F5L	5	FA10019
F10L	10	FA10020
F20L	20	FA10021
F25L	25	FA10022
F50L	50	FA10023
F100L	100	FA10024
F200L	200	FA10025
F250L	250	FA10026
F300L	300	FA10027
F400L	400	FA10028
F500L	500	FA10029
F1000L	1000	FA10030
F5000L	5000	FA10031



# pipetman<sup>®</sup> L MULTI

Robust, comfortable and lightweight!



**PIPETMAN L Multi is a new lightweight multichannel pipette with lockable volume that has been designed to fit perfectly in your hand.**

**Eight multichannel models cover a range of volumes from 0.5 µL to 300 µL.**

#### 4 REASONS TO CHOOSE PIPETMAN L MULTICHANNEL

- 1 Volume secured.
- 2 2D code traceability.
- 3 Extremely comfortable with redesigned handle.
- 4 Specially designed to transfer liquid to 96 and 384 well micro plates.

#### INNOVATIVE PATENTED PISTON DRIVE MECHANISM

- The specific rack rail mechanism guarantees identical performance on each channel.
- Thanks to an exclusive patented piston drive mechanism, the pressure is applied consistently and simultaneously on each piston, resolving the common downfall of multichannel pipettes: disparities between channels of the volume distributed.



#### INGENIOUS TIP EJECTOR TECHNOLOGY

- For more comfort, the ejector spacer has been designed to apply equal ejection forces over each tip sequentially.
- This system drastically reduces tip ejection forces and risk of RSI.

Ejector Spacer ordering reference:

- DL10 & D20: 8 Channel F807114; 12 Channel F807115
- D200 & D300: 8 Channel F507001; 12 Channel F507003

*For PIPETMAN L Multichannel 10 µL: According to the tip used, D10 or DL10, you might have to exchange the ejector spacer; the broad one is dedicated to D10, and the smaller one is dedicated to DL10.*

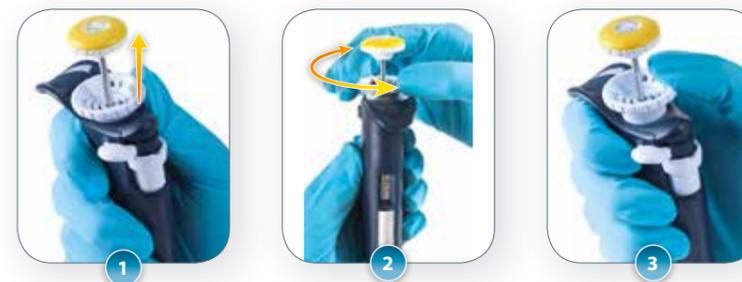
#### UNIQUE TIP-HOLDER DESIGN

- Successive rings have been positioned depending on the pipette volume range to guarantee the snug fit of tips throughout protocols.



#### LOCKABLE VOLUME IN 3 EASY STEPS

Push the thumbwheel up, rotate to change the volume, push the thumbwheel down to lock and start pipetting.



PIPETMAN L MULTI Models	PIPETMAN DIAMOND Tips*	Ordering Reference	Volume (µL)	Maximum Permissible Errors			
				Gilson		ISO 8655	
				Systematic error (µL)	Random error (µL)	Systematic error (µL)	Random error (µL)
L8x10	D10	FA10013	0.5	± 0.08	≤ 0.04	± 0.24	≤ 0.16
	DL10		1	± 0.08	≤ 0.05	± 0.24	≤ 0.16
	DF10		5	± 0.20	≤ 0.10	± 0.24	≤ 0.16
	DFLO		10	± 0.20	≤ 0.10	± 0.24	≤ 0.16
L8x20	DL10	FA10009	2	± 0.10	≤ 0.08	± 0.4	≤ 0.20
	DFL10		10	± 0.20	≤ 0.10	± 0.4	≤ 0.20
	DF30		20	± 0.40	≤ 0.15	± 0.4	≤ 0.20
	D200						
L8x200	D200	FA10011	20	± 0.50	≤ 0.25	± 3.2	≤ 1.2
	D300		100	± 1.00	≤ 0.40	± 3.2	≤ 1.2
	DF200		200	± 2.00	≤ 0.50	± 3.2	≤ 1.2
	DF300						
L8x300	D200	FA10015	20	± 1.00	≤ 0.35	± 8.0	≤ 3.0
	D300		30	± 1.00	≤ 0.35	± 8.0	≤ 3.0
	DF200		150	± 1.50	≤ 0.60	± 8.0	≤ 3.0
	DF300		300	± 3.00	≤ 1.00	± 8.0	≤ 3.0

\* Recommended tip for establishing maximum permissible errors (ISO 8655 requirement). A large range of suitable PIPETMAN DIAMOND Tips is available. (See pages 30-31).

#### Complete your equipment with:

##### Accessories

Accessories	Ordering reference
Universal Multichannel stand	F16141
CARROUSEL, stand for 7 pipettes	F16140

For our full range of pipette accessories, see page 26.

##### Product

Product	Ordering reference
TRACKMAN	F70301



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# pipetman® G

Extremely low pipetting forces



In addition to the same legendary robustness, accuracy and precision, **PIPETMAN G offers you one of the lowest pipetting forces on the market for the highest comfort.**

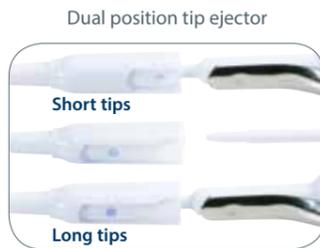
**Eight single channel models cover a range of volumes from 0.2 µL to 10 mL.**

### A BLUE RING FOR EASY IDENTIFICATION

To distinguish the PIPETMAN G from the PIPETMAN Neo or Classic, a blue ring has been placed under the thumbwheel.

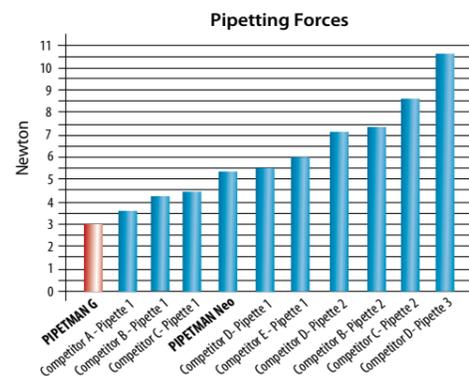
### EXPANDED FLEXIBILITY

Models P2G and P10G incorporate dual position tip ejectors. Allows use of D10 (short) and DL10 (long) tips – a plus for protection and precision when using microtubes.



### OUR LOWEST PIPETTING FORCES

Thanks to the redesigned piston assembly (new seal, lighter springs) and the addition of high quality piston grease, you can enjoy one of the lowest pipetting forces available on the market.\*



\*Tested on Gilson and other brands of 200 µL pipette or equivalent.

### CLASSIC METAL OR PLASTIC EJECTORS

- Stainless steel or plastic ejectors are available with the same legendary PIPETMAN robustness.
- For convenient access to the serviceable parts, the pipette is equipped with the Gilson clip ejector.

pipetman comFORT handle

### TAKE COMFORT TO THE NEXT LEVEL

- Add extra comfort to your daily routine with the new ergonomic PIPETMAN COMFORT HANDLE.
- Soft touch hook clips on to the body of your PIPETMAN lowering the forces needed to grip the handle. See Pipette Accessories on page 26.
- Personalise with labels for easy pipette identification or maintenance schedules.



### PIPETMAN G STARTER KITS

#### Enhanced comfort, maximum savings

- Each Starter Kit contains three PIPETMAN G pipettes plus boxes of certified-quality PIPETMAN Tips. We've also included great accessories and a choice between the stainless steel and plastic tip ejectors.
- Save money when compared to pipettes and accessories purchased separately.

Description	Accessories Included	Order Ref
<b>PIPETMAN G Starter Kit Includes:</b> • P20G, P200G & P1000G • D200 & D1000 TIPACKS	3 SINGLE™ Pipette holders Gilson Guide to Pipetting	<b>F167900</b>
<b>PIPETMAN G Microvolume Kit Includes:</b> • P2G, P10G & P100G • DL10 & D200 TIPACKS	3 Plastic Tip Ejectors	<b>F167800</b>

### PIPETMAN G Starter Kit



PIPETMAN G Models	PIPETMAN DIAMOND Tips*		Ordering Reference		Volume (µL)	Maximum Permissible Errors (µL)			
						Gilson		ISO 8655	
					Systematic error (µL)	Random error (µL)	Systematic error (µL)	Random error (µL)	
P2G	D10	DF10	F144054M	F144054P	0.2	± 0.024	≤ 0.012	± 0.08	≤ 0.04
	DL10	DFL10			0.5	± 0.025	≤ 0.012	± 0.08	≤ 0.04
					2	± 0.030	≤ 0.014	± 0.08	≤ 0.04
P10G	D10	DF10	F144055M	F144055P	1	± 0.025	≤ 0.012	± 0.12	≤ 0.08
	DL10	DFL10			5	± 0.075	≤ 0.030	± 0.12	≤ 0.08
					10	± 0.100	≤ 0.040	± 0.12	≤ 0.08
P20G	D200	DF30	F144056M	F144056P	2	± 0.10	≤ 0.030	± 0.2	≤ 0.1
					10	± 0.10	≤ 0.050	± 0.2	≤ 0.1
					20	± 0.20	≤ 0.060	± 0.2	≤ 0.1
P100G	D200	DF100	F144057M	F144057P	10	± 0.35	≤ 0.10	± 0.8	≤ 0.3
					50	± 0.40	≤ 0.12	± 0.8	≤ 0.3
					100	± 0.80	≤ 0.15	± 0.8	≤ 0.3
P200G	D200	DF200	F144058M	F144058P	20	± 0.50	≤ 0.20	± 1.6	≤ 0.6
	D300	DF300			100	± 0.80	≤ 0.25	± 1.6	≤ 0.6
					200	± 1.60	≤ 0.30	± 1.6	≤ 0.6
P1000G	D1000	DF1000	F144059M	F144059P	100	± 3.0	≤ 0.6	± 8.0	≤ 3.0
	D1200	DF1200			500	± 4.0	≤ 1.0	± 8.0	≤ 3.0
					1000	± 8.0	≤ 1.5	± 8.0	≤ 3.0
P5000G		D5000	F144066**		500	± 12	≤ 3	± 40	≤ 15.0
				2500	± 15	≤ 5	± 40	≤ 15.0	
				5000	± 30	≤ 8	± 40	≤ 15.0	
P10mL G		D10mL	F144067**		1000	± 30	≤ 6	± 60	≤ 30.0
				5000	± 40	≤ 10	± 60	≤ 30.0	
				10000	± 60	≤ 16	± 60	≤ 30.0	

\* Recommended tip for establishing maximum permissible errors (ISO 8655 requirement). A large range of suitable PIPETMAN DIAMOND Tips is available. (See pages 30-31).

\*\* P5000G and P10mL G do not have tip ejectors.



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# pipetman NEO<sup>®</sup>

The pipetting standard with improved comfort!



**PIPETMAN Neo exhibits a distinct enhancement in comfort and a wide useful volume-range with the same legendary robustness, accuracy and precision as PIPETMAN Classic.**

**With uncontested reliability and durability, PIPETMAN Neo Multi is the economical, efficient solution to years of pipetting comfort.**

PIPETMAN Neo is available in:

- Six single-channel models covering a range of volumes from 0.2 µL to 1000 µL,
- 4 multichannel models covering a range of volumes from 2µL to 200 µL.

### UP TO 50% REDUCTION OF PIPETTING FORCES

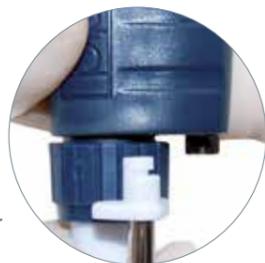
Newly engineered springs are wound to provide a significant reduction of pipetting and purge forces. (Up to 50% on certain models).

### PREMIUM ROBUSTNESS

Made of highly resistant materials, PIPETMAN Neo offers excellence in robustness and durability. Built to last, your pipette will have a long, productive life with routine maintenance and service.

### CLIP EJECTOR FOR EASIER DISMANTLING AND BETTER FIT

- The clip ejector results in easier daily operation and an even more robust system over time.
- Thanks to this improvement, the ejector clips securely in place without risk of slipping over time.



pipetman comFORT handle



- Add extra comfort to your PIPETMAN Neo with the new PIPETMAN COMFORT HANDLE.

- Hooked design clips on to the body of the pipette, lowering the force needed to grip the pipette.

- Personalise with your own unique label design for easy identification.

- See P26 for pipette accessories



# pipetman NEO<sup>®</sup> MULTI

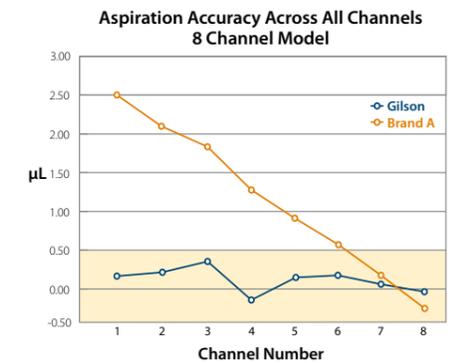
PIPETMAN Neo MULTI offers comfort and precision, available as both 8 and 12 channel models.

### MORE ACCURATE SAMPLE HANDLING

Unlike other brands, PIPETMAN Neo multichannel offers incredibly high accuracy and consistency of measurement on each and every channel when aspirating and dispensing.

### DRASTIC REDUCTION OF TIP EJECTOR FORCES

- To decrease risk of RSI, the ejector spacer has been designed to sequentially apply ejection forces over each tip.
- Ejector Spacer ordering reference:  
DL10 & D20: 8 Channel F807114; 12 Channel F807115  
D200 & D300: 8 Channel F507001; 12 Channel F507003



### PIPETMAN NEO STARTER KITS

PIPETMAN Neo Starter Kits	Models	PIPETMAN Tips	Accessories	Order Ref
<b>PIPETMAN Neo<sup>®</sup> PCR Starter Kit</b>	P10N, P100N P1000N	DFL10ST, DF100ST, DF1000ST	3 SINGLE™ Pipette holders Gilson Guide to Pipetting Two-minute inspection guide	<b>F167600</b>
<b>PIPETMAN Neo<sup>®</sup> Starter Kit</b>	P20N, P200N P1000N	D200 D1000		<b>F167700</b>

PIPETMAN Neo Models	PIPETMAN Tips*	Order Ref	Volume (µL)	Maximum Permissible Errors					
				Gilson		ISO 8655			
				Systematic error (µL)	Random error (µL)	Systematic error (µL)	Random error (µL)		
Single Channels	P2N	D10 DL10	DF10 DFL10	F144561	0.2 0.5 2	± 0.024	≤ 0.012	± 0.08	≤ 0.04
						± 0.025	≤ 0.012	± 0.08	≤ 0.04
						± 0.025	≤ 0.012	± 0.08	≤ 0.04
	P10N**	D10 DL10	DF10 DFL10	F144562	1 5 10	± 0.025	≤ 0.012	± 0.12	≤ 0.08
						± 0.075	≤ 0.030	± 0.12	≤ 0.08
						± 0.100	≤ 0.040	± 0.12	≤ 0.08
P20N	D200	DF30	F144563	2 10 20	± 0.10	≤ 0.030	± 0.2	≤ 0.1	
					± 0.10	≤ 0.050	± 0.2	≤ 0.1	
					± 0.20	≤ 0.060	± 0.2	≤ 0.1	
P100N	D200	DF100	F144564	10 50 100	± 0.35	≤ 0.10	± 0.8	≤ 0.3	
					± 0.40	≤ 0.12	± 0.8	≤ 0.3	
					± 0.80	≤ 0.15	± 0.8	≤ 0.3	
P200N	D200 D300	DF200 DF300	F144565	20 100 200	± 0.50	≤ 0.20	± 1.6	≤ 0.6	
					± 0.80	≤ 0.25	± 1.6	≤ 0.6	
					± 1.60	≤ 0.30	± 1.6	≤ 0.6	
P1000N	D1000 D1200	DF1000 DF12000	F144566	100 500 1000	± 3.0	≤ 0.6	± 8.0	≤ 3.0	
					± 4.0	≤ 1.0	± 8.0	≤ 3.0	
					± 8.0	≤ 1.5	± 8.0	≤ 3.0	
Multichannel	P8x20N P12x20N	DL10 D200	DFL10 DF30	F14401 F14402	2 10 20	± 0.10	≤ 0.08	± 0.4	≤ 0.2
						± 0.20	≤ 0.10	± 0.4	≤ 0.2
	P8x200N P12x200N	D200 D300	DF100 DF200 DF300	F14403 F14404	20 100 200	± 0.50	≤ 0.25	± 3.2	≤ 1.2
± 1.00						≤ 0.40	± 3.2	≤ 1.2	
						± 2.00	≤ 0.60	± 3.2	≤ 1.2

\* Recommended tip for establishing maximum permissible errors (ISO 8655 requirement). A large range of suitable PIPETMAN DIAMOND Tips is available. (See pages 30-31).

\*\* P10N model can be used from 0.5 µL.



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# pipetman CLASSIC™



The incarnation of Gilson's reliability, the world pipetting standard!

**PIPETMAN Classic is a fully adjustable, air-displacement pipette with the selected volume shown on a digital indicator (volumeter). Designed and manufactured to provide you with a range of robust, accurate and precise pipettes, eight single-channel models cover the full range of volumes from 0.2 µL to 10 mL.**

### THE STANDARD FOR ROBUSTNESS

- Built to last, constructed of stainless-steel and PVDF (a plastic with very high resistance to chemical attack).
- P2 and P10 are equipped with dual position tip-ejector (Ref. F1448791).

### THE STANDARD FOR ACCURACY AND PRECISION

- Unique "dry seal" technology avoids using grease to obtain adequate air-tightness, and guarantees long-term performance.
- Thick body (handle) in PVDF to minimize the hand-warming effect during pipetting.
- Direct volume reading in decimal digits helps prevent mistakes in volume setting.

### THE STANDARD FOR A VARIETY OF APPLICATIONS

- PIPETMAN P2 and P10 models are ideal for molecular biology techniques (PCR, DNA Sequencing etc).
- PIPETMAN P20, P100, P200 and P1000 models are suited for small volume dispensing of aqueous fluids of moderate viscosity and density (molecular biology, immunology etc).
- PIPETMAN P5000 and P10mL are perfect for large-volume dispensing of aqueous fluids of moderate viscosity and density.

### pipetman comFORT handle

- Enhance your PIPETMAN Classic with the new PIPETMAN COMFORT HANDLE.
- Hooked handle simply clips on to the body, lowering the force needed to grip the pipette, adding comfort.
- Personalise your design with customisable labels for easy identification. See page 26.



### pipetman® FIXED

#### BIG ON RELIABILITY, LOW ON COST

- PIPETMAN F is an air-displacement pipette with fixed volume for maximum results and reliability.
- Fourteen robust models cover a large volume range from 2 µL to 5000 µL, with legendary PIPETMAN accuracy and precision.
- Order online [www.pipetman.eu](http://www.pipetman.eu)



### PIPETMAN CLASSIC STARTER KITS

Starter Kits save you money by combining all the essential pipettes, tips and accessories in one convenient box.



PIPETMAN Classic Starter Kits	Ordering Reference	PIPETMAN Models	PIPETMAN Tips (racks of 96 tips)	Accessories
PIPETMAN Classic Micro-Volume Kit	F167500	P2 P10 P100	DF10 D200	• 3 SINGLE Pipette Holders • 1 Gilson Guide to Pipetting
PIPETMAN Classic Starter Kit	F167300	P20 P200 P1000	D200 D1000	• 3 SINGLE Pipette Holders • 1 Gilson Guide to Pipetting
PIPETMAN Classic Large-Volume Kit	F167400	P5000 P10mL	-	• 2 x 10 protection filters for P5000 and P10mL

PIPETMAN Classic Models	PIPETMAN DIAMOND Tips*	Ordering Reference	Volume (µL)	Maximum Permissible Errors			
				Gilson		ISO 8655	
				Systematic error (µL)	Random error (µL)	Systematic error (µL)	Random error (µL)
P2	D10 DL10 DF10 DFL10	F144801	0.2	± 0.024	≤ 0.012	± 0.08	≤ 0.04
			0.5	± 0.025	≤ 0.012	± 0.08	≤ 0.04
			1	± 0.025	≤ 0.012	± 0.08	≤ 0.04
			2	± 0.030	≤ 0.014	± 0.08	≤ 0.04
P10	D10 DL10 DF10 DFL10	F144802	1	± 0.025	≤ 0.012	± 0.12	≤ 0.08
			5	± 0.075	≤ 0.030	± 0.12	≤ 0.08
			10	± 0.100	≤ 0.040	± 0.12	≤ 0.08
P20	D200 DF30	F123600	2	± 0.10	≤ 0.030	± 0.2	≤ 0.1
			5	± 0.10	≤ 0.040	± 0.2	≤ 0.1
			10	± 0.10	≤ 0.050	± 0.2	≤ 0.1
			20	± 0.20	≤ 0.060	± 0.2	≤ 0.1
P100	D200 DF100	F123615	20	± 0.35	≤ 0.10	± 0.8	≤ 0.3
			50	± 0.40	≤ 0.12	± 0.8	≤ 0.3
			100	± 0.80	≤ 0.15	± 0.8	≤ 0.3
P200	D200 D300 DF200 DF300	F123601	50	± 0.50	≤ 0.20	± 1.6	≤ 0.6
			100	± 0.80	≤ 0.25	± 1.6	≤ 0.6
			200	± 1.60	≤ 0.30	± 1.6	≤ 0.6
P1000	D1000 D1200 DF1000 DF1200	F123602	200	± 3.0	≤ 0.6	± 8.0	≤ 3.0
			500	± 4.0	≤ 1.0	± 8.0	≤ 3.0
			1000	± 8.0	≤ 1.5	± 8.0	≤ 3.0
P5000	D5000	F123603	1000	± 12	≤ 3	± 40	≤ 15.0
			2000	± 12	≤ 5	± 40	≤ 15.0
			2500	± 15	≤ 5	± 40	≤ 15.0
			5000	± 30	≤ 8	± 40	≤ 15.0
P10mL	D10mL	F161201	1 mL	± 30	≤ 6	± 60	≤ 30.0
			2 mL	± 30	≤ 6	± 60	≤ 30.0
			5 mL	± 40	≤ 10	± 60	≤ 30.0
			10 mL	± 60	≤ 16	± 60	≤ 30.0

\* Recommended tip for establishing maximum permissible errors (ISO 8655 requirement). A large range of suitable PIPETMAN DIAMOND Tips is available. (See pages 30-31).



To place an order please contact us by phone, fax or email  
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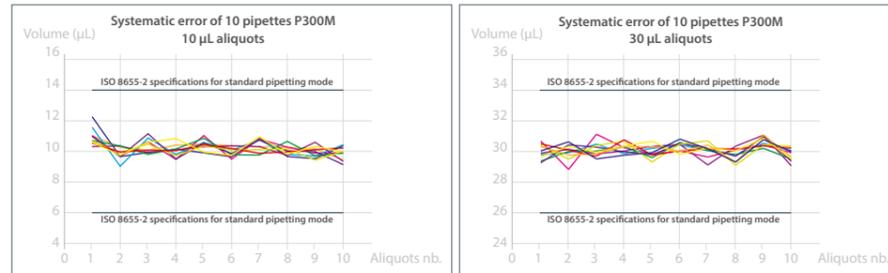


PIPETMAN M has been designed to deliver on target performance, offering guaranteed accuracy and precision in both standard and repetitive pipetting modes. The new PIPETMAN M benefits from advanced features to help propel your science forward!



### OUTSTANDING ACCURACY AND PRECISION – MOTORISED

Repetitive tasks such as pipetting can be draining for end users performing them hours at a time. PIPETMAN M makes these tasks less stressful while enabling high rates of precision - over and over again, with user-to-user consistency.



Systematic error of 10 PIPETMAN M 300 µL pipettes in repetitive pipetting mode with PIPETMAN DIAMOND Tips D300, applying the appropriate pipetting technique.

### EASE-OF-USE IS RIGHT ON THE BUTTON

PIPETMAN M is a unique pipette with only two buttons to enable the pipette and reach all menu options. Scroll effortlessly between five pipetting modes:

- **PIPET:** Standard pipette mode
- **REPETITIVE:** Distributes the same volume repeatedly, a predefined number of equal aliquots
- **MIX:** Standard pipette mode followed by a mixing phase and optional standard pipette phase
- **REVERSE:** A preset amount of liquid is added during aspiration. After delivery the excess volume remains in the tip and should be discarded
- **NEW CUSTOMISED MODE:** (Personalised mode) enables customised pipetting protocol creation on a computer for transfer to the pipette using Gilson's FREE downloadable software

### ADVANCED ERGONOMICS & FEATURES

- Lightweight and optimised for perfect balance in your hand.
- Short pipetting stroke distance to help reduce repetitive strain injury (RSI).
- Requires virtually zero pipetting forces to aspirate and dispense samples.
- Enhanced volume range - 8 single channels (from 0.5 µL to 10mL).



### PIPETMAN CARROUSEL STAND & PIPETMAN M STAND ADAPTER



- Conveniently charge single and multichannel pipettes in our stand with the charging stand adapter

Ordering reference: F807023

PIPETMAN M Model	PIPETMAN DIAMOND Tips*	Order Ref	Gilson Specification				
			Standard PIPET Mode				REPETITIVE Mode
			Volume Range (µL)	Volume	Systematic error (µL)	Random error (µL)	
P10M	D10 DL10 DF10 DFL10	F81022	0.5-10 µL	0.5 1 5 10	± 0.040 ± 0.025 ± 0.060 ± 0.080	≤ 0.013 ≤ 0.012 ≤ 0.020 ≤ 0.025	0.5-10 µL
P20M	D200 DF30	F81023	2-20 µL	2 10 20	± 0.075 ± 0.100 ± 0.150	≤ 0.025 ≤ 0.035 ≤ 0.050	2-20 µL
P100M	D200 DF100	F81013	5-100 µL	5 10 50 100	± 0.35 ± 0.30 ± 0.38 ± 0.40	≤ 0.10 ≤ 0.10 ≤ 0.12 ≤ 0.15	5-100 µL
P200M	D200 D300 DF200 DF300	F81024	20-200 µL	20 100 200	± 0.40 ± 0.80 ± 1.00	≤ 0.15 ≤ 0.22 ≤ 0.26	5-200 µL
P300M	D200 D300 DF200 DF300	F81014	20-300 µL	20 30 150 300	± 0.80 ± 0.70 ± 0.90 ± 1.05	≤ 0.16 ≤ 0.20 ≤ 0.23 ≤ 0.30	10-300 µL
P1200M	D1000 DF1000 D1200 DF1200	F81015	100-1200 µL	100 120 600 1200	± 2.5 ± 2.4 ± 3.6 ± 6.0	≤ 0.4 ≤ 0.4 ≤ 0.8 ≤ 1.2	20-1200 µL
P5000M	D5000	F81016	500-5000 µL	500 2500 5000	± 10 ± 15 ± 25	≤ 2 ≤ 4 ≤ 7	100-5000 µL
P10mLM	D10mL	F81017	1-10 mL	1 5 10	± 25 ± 30 ± 50	≤ 4 ≤ 8 ≤ 12	200 µL-10 mL

\* Recommended tip for establishing maximum permissible errors (ISO 8655 requirement). A large range of suitable PIPETMAN DIAMOND Tips is available. (See pages 30-31).



Affordable quality tips for superior performance

Not all pipette tips are the same. They are essential components of your pipetting system and contribute up to 50% of the performance of your pipette.

- Only PIPETMAN Tips guarantee Gilson PIPETMAN accuracy and precision specifications
- Largest range of packaging available
- Full range on pages 30-31
- Order online [www.pipetman.eu](http://www.pipetman.eu)



# pipetman® MULTI

Extremely ergonomic. Refreshingly simple.



The improved PIPETMAN M Multi offers enhanced features and, like the single channel, is guaranteed to perform with outstanding accuracy and precision during repetitive pipetting.

Available in 8 and 12 channels with a volume range of 0.5 µL to 1200 µL, PIPETMAN M Multi is so easy to use that you won't have to change the way you pipette!

### PATENTED PISTON DRIVE FOR UNIFORM SAMPLE DELIVERY

- PIPETMAN M Multi helps to avoid variable results due to user inexperience or pipetting techniques, and guarantees highly reproducible results due to the patented drive mechanism.
- Pressure is applied consistently and simultaneously on each piston, resolving the common downfall of other multichannels; disparities between channels for the volumes distributed.



### EASY-TO-USE PIPETTE

Complete pipette operation with only 2 buttons:

- Intuitive interface with 5 pipetting modes; *pipet, repetitive, mix, reverse and custom*
- New customised mode allows users to create protocol easily
- Customisable, lockable and secure pipetting modes
- User friendly interface with well-lit display

### INGENIOUS TIP EJECTOR TECHNOLOGY

- For more comfort, the ejector spacer has been designed to apply equal ejection forces over each tip sequentially.
- This symmetric system drastically reduces tip ejection forces and risk of RSI
- Ejector Spacer ordering reference:  
DL10 & D20: 8 Channel F808117; 12 Channel F807118  
D200 & D300: 8 Channel F507001; 12 Channel F507003

### UNIQUE TIP-HOLDER DESIGN

- Successive rings have been positioned depending on the pipette volume range to guarantee the snug fit of tips throughout protocols.



PIPETMAN M MULTI Models	PIPETMAN DIAMOND Tips*	Order Ref	Gilson Specification				REPETITIVE Mode Volume Range
			Standard PIPET Mode				
			Volume Range	Volume	Systematic error (µL)	Random error (µL)	
P8x10M P12x10M	D10 DF10	F81025	0.5-10 µL	0.5	± 0.05	≤ 0.02	0.5-10 µL
	DL10 DFL10			1	± 0.04	≤ 0.02	
		5		± 0.08	≤ 0.04		
P8x20M P12x20M	DL10 DFL10	F81027	1-20 µL	1	± 0.08	≤ 0.05	1-20 µL
	D200 DF30	F81028		10	± 0.15	≤ 0.10	
				20	± 0.25	≤ 0.12	
P8x100M P12x100M	DL200 DF100	F81018	10-100 µL	10	± 0.25	≤ 0.14	5-100 µL
		F81019		50	± 0.50	≤ 0.20	
				100	± 0.80	≤ 0.25	
P8x200M P12x200M	D200 DF100	F81029	20-200 µL	20	± 0.50	≤ 0.16	5-200 µL
	D300 DF200	F81030		100	± 1.00	≤ 0.30	
				200	± 2.00	≤ 0.50	
P8x300M P12x300M	D200 DF200	F81031	10-300 µL	10	± 1.00	≤ 0.18	10-300 µL
	D300 DF300	F81032		30	± 1.00	≤ 0.18	
				150	± 1.50	≤ 0.375	
P8x1200M P12x1200M	D1200 DF1200	F81020	50-1200 µL	50	± 4.0	≤ 0.7	50-1200 µL
		F81021		120	± 4.0	≤ 0.7	
				600	± 6.0	≤ 1.5	
				1200	± 9.6	≤ 1.8	

\* Recommended tip for establishing maximum permissible errors (ISO 8655 requirement). A large range of suitable PIPETMAN DIAMOND Tips is available. (See pages 30-31).

## power carousel™

PIPETMAN M exclusive charging stand!

This rotating stand, which holds up to 5 PIPETMAN M (single and multichannel), stores and charges your entire pipette set at one time on a minimum bench space!

Protect your PIPETMAN M from shocks and contaminations, while improving your efficiency by always keeping your tools operational!

Ordering reference: FB1001

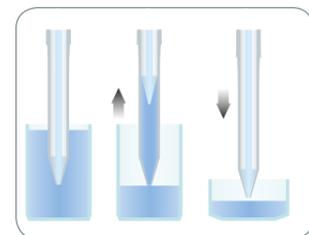


**GILSON®**

To place an order please contact us by phone, fax or email  
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The new ergonomic MICROMAN E positive displacement pipette with its Capillary Pistons solves common pipetting problems and offers enhanced user comfort. MICROMAN E eliminates the air space between the piston and sample to offer the highest precision and accuracy when pipetting problem liquids.



#### HOW DOES A POSITIVE-DISPLACEMENT PIPETTE WORK?

- No air-to-liquid interface.
- The desired volume is aspirated rapidly and completely.
- The positive wiping action of the piston against the capillary wall assures accurate dispensing of even the most viscous sample and avoids carry-over.

#### NEW ADVANCED ERGONOMIC DESIGN TO INCREASE PIPETTING PERFORMANCE



##### NEW ERGONOMIC BODY SHAPE

MICROMAN E has a larger and more comfortable body to make it easier to hold in the hand for improved ergonomics.



##### NEW FINGER HOOK & LARGER PUSH BUTTON

Thumb is positioned higher, reducing fatigue. Larger colour-coded push button optimising pipetting action.



##### VOLUME SECURING BUTTON

A new unique feature that secures the volume when pipetting, reducing the margins of error. Visible volume adjuster on the front of the body.



##### QUICKSNAP CP FITTING SYSTEM

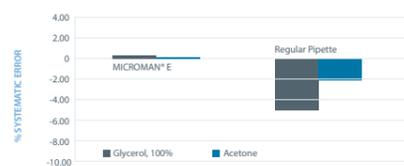
Unique patented system making fitting the disposable capillary pistons as easy as fitting a regular tip.



#### HIGHEST PRECISION WITH VISCOUS, VOLATILE, HOT OR COLD LIQUIDS

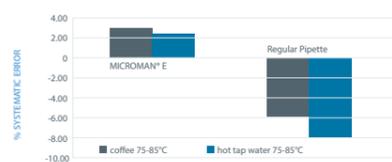
- Experience complete rapid pipetting of viscous and dense liquids such as oil, syrup, cosmetic cream, liquefied food, paint, glycerol or buffers.
- No leaks when pipetting high vapour pressure liquids such as acetone, chloroform, alcohol, hexane or solvents.
- Delivers the right volume using any sample temperature.

PIPETTING 100 µL OF VISCOUS OR VOLATILE LIQUIDS



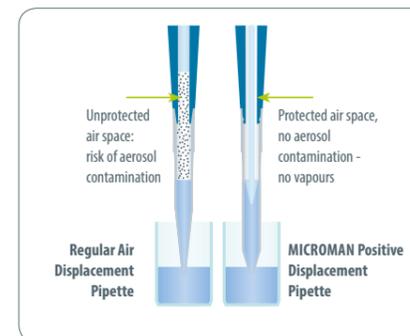
Average of 10 measurements, no pre-wetting

PIPETTING 100 µL OF HOT LIQUIDS



Average of 10 measurements, no pre-wetting

#### 100% PROTECTION AGAINST CONTAMINATION



- MICROMAN E and Capillary Pistons are the strongest barrier against residual sample carryover, aerosol contamination and cross-contamination.
- With the disposable piston located inside the capillary tip, users can be assured that no harmful samples will contaminate the pipette.
- Slender profile – fits most tubes.
- New sterilised CPs now available.



MICROMAN E Model	Ordering Reference	Capillary Piston	Volume (µL)	Maximum Permissible Errors			
				Gilson		ISO 8655	
				Systematic error (µL)	Random error (µL)	Systematic error (µL)	Random error (µL)
M10E	FD10001	CP10 CP10ST	Min.: 1	± 0.09	≤ 0.03	± 0.2	≤ 0.1
			5	± 0.10	≤ 0.03	± 0.2	≤ 0.1
			Max.: 10	± 0.15	≤ 0.06	± 0.2	≤ 0.1
M25E	FD10002	CP25 CP25ST	Min.: 3	± 0.25	≤ 0.08	± 0.7	≤ 0.3
			10	± 0.27	≤ 0.08	± 0.7	≤ 0.3
			Max.: 25	± 0.30	≤ 0.10	± 0.7	≤ 0.3
M50E	FD10003	CP50 CP50ST	Min.: 20	± 0.34	≤ 0.20	± 0.7	≤ 0.3
			50	± 0.70	≤ 0.30	± 0.7	≤ 0.3
			M100E	FD10004	CP100 CP100ST	Min.: 10	± 0.50
M100E	FD10004	CP100 CP100ST	50	± 0.75	≤ 0.30	± 1.5	≤ 0.6
			Max.: 100	± 1.00	≤ 0.40	± 1.5	≤ 0.6
			M250E	FD10005	CP250 CP250ST	Min.: 50	± 1.50
M250E	FD10005	CP250 CP250ST	100	± 1.70	≤ 0.30	± 6	≤ 2.0
			Max.: 250	± 2.50	≤ 0.50	± 6	≤ 2.0
			M1000E	FD10006	CP1000 CP1000ST	Min.: 100	± 3.0
M1000E	FD10006	CP1000 CP1000ST	500	± 5.0	≤ 2.5	± 12	≤ 4.0
			Max.: 1000	± 8.0	≤ 4.0	± 12	≤ 4.0

#### SHARE the SCIENCE

### Download Ergonomic Pipetting for Problem Liquids

► WHITE PAPER: ACHIEVE PIPETTING PRECISION OF PROBLEM LIQUIDS WITH MICROMAN® E

#### Introduction

Commonly used air displacement pipettes are highly accurate for most liquid dispensing applications. However, the viscosity, volatility, surface tension, and temperature of the solution can adversely affect the performance of these air displacement pipettes. Additionally, they can cause higher risk of cross-contamination with biological samples and the residual carry-over of hazardous and radioactive liquids can endanger the end user. Download the White Paper which demonstrates the benefits of replacing air displacement pipettes with positive displacement pipettes like MICROMAN® E for problem liquids.

Download the technical note at <http://go.gilson.com/micromane>



# microman®



The original pipette for problem liquids!



The MICROMAN is Gilson's original fully adjustable positive displacement pipette that offers full protection against cross-contamination and an effective solution for problem liquids.

### PREMIUM ROBUSTNESS

- The handle is made of PVDF, a material that is resistant to aggressive chemicals.
- MICROMAN specifications are 3 to 4 times better than an air displacement pipette when pipetting viscous or volatile liquids.

### CONTAMINATION BARRIER

- No contact between liquid and pipette provides ultimate contamination protection for sample, pipette and user.

### TIME SAVING

- Pipette volatile liquids without having to saturate an air cushion.
- Colour-coded push button allows for quick and easy identification of different models and corresponding Gilson Capillary Pistons.

MICROMAN Model	Ordering Reference	Capillary Piston	Volume (µL)	Maximum Permissible Errors			
				Gilson		ISO 8655	
				Systematic error (µL)	Random error (µL)	Systematic error (µL)	Random error (µL)
M10	F148501	CP10 CP10ST	Min.: 1	± 0.09	≤ 0.03	± 0.2	≤ 0.1
			5	± 0.10	≤ 0.03	± 0.2	≤ 0.1
			Max.: 10	± 0.15	≤ 0.06	± 0.2	≤ 0.1
M25	F148502	CP25 CP25ST	Min.: 3	± 0.25	≤ 0.08	± 0.7	≤ 0.3
			10	± 0.27	≤ 0.08	± 0.7	≤ 0.3
			Max.: 25	± 0.30	≤ 0.10	± 0.7	≤ 0.3
M50	F148503	CP50 CP50ST	Min.: 20	± 0.34	≤ 0.20	± 0.7	≤ 0.3
			50	± 0.70	≤ 0.30	± 0.7	≤ 0.3
			Max.: 100	± 1.00	≤ 0.40	± 1.5	≤ 0.6
M100	F148504	CP100 CP100ST	Min.: 10	± 0.50	≤ 0.20	± 1.5	≤ 0.6
			50	± 0.75	≤ 0.30	± 1.5	≤ 0.6
			Max.: 100	± 1.00	≤ 0.40	± 1.5	≤ 0.6
M250	F148505	CP250 CP250ST	Min.: 50	± 1.50	≤ 0.30	± 6	≤ 2.0
			100	± 1.70	≤ 0.30	± 6	≤ 2.0
			Max.: 250	± 2.50	≤ 0.50	± 6	≤ 2.0
M1000	F148506	CP1000 CP1000ST	Min.: 100	± 3.0	≤ 1.6	± 12	≤ 4.0
			500	± 5.0	≤ 2.5	± 12	≤ 4.0
			Max.: 1000	± 8.0	≤ 4.0	± 12	≤ 4.0



# capillary pistons

For optimal performance of MICROMAN E and MICROMAN

Capillary Pistons are the disposable tips specifically designed, developed and manufactured to fit Gilson MICROMAN E and MICROMAN perfectly. They are available in a wide range of volumes and designs, both in sterilised and standard versions to ensure optimal performance of your pipette.

### ACCURACY AND PRECISION

- Large volume range from 1 µL to 1000 µL with six different models to offer the best results.
- Sterilised and standard CPs available.
- No need for calibration when you change the CP.
- Continuous volume adjustment and direct display.
- Disposable CP, capillaries.
- Lightweight and slim CPs fit in even the narrowest and deepest tubes.

### 100% PROTECTION AGAINST CONTAMINATION

- Contamination-free pipetting and protection for the user - no contact between the sample and the pipette, even with aerosols or corrosive vapours.
- Free of dyes, no risk of contamination from the CP's components.
- Ideal for non-aqueous liquids: Viscous, dense, volatile or potentially dangerous samples such as DNA fragments, PCR templates, enzyme solutions, radioactive or corrosive components.



Capillary Piston	MICROMAN Model	Part Number	Qty/Box	Assembled in TIPACK
CP10	M10E /M10	F148412	192	✓
		F148312	960	✓
CP25	M25E /M25	F148112	200	-
		F148012	960	✓
CP50	M50E/M50	F148113	200	-
		F148013	960	✓
CP100	M100E /M100	F148414	192	✓
		F148314	960	✓
CP250	M250E /M250	F148114	200	-
		F148014	960	✓
CP1000	M1000E /M1000	F148560	192	✓
Sterilised Capillary Pistons				
CP10ST	M10E/M10	F148413	192	✓
		F148313	960	✓
CP25ST	M25E/M25	F148712	576	✓
CP50ST	M50E/M50	F148713	576	✓
CP100ST	M100E/M100	F148415	192	✓
		F148315	960	✓
CP250ST	M250E/M250	F148714	576	✓
CP1000ST	M1000E/M1000	F148180	192	✓



GILSON®

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SPECIALITY PIPETTES



# distriman®

The simplicity of a continuously adjustable repeater-pipette!



**DISTRIMAN is a positive-displacement, continuously adjustable repeater-pipette to simplify multiple dispensing when used with Gilson DISTRITIP syringes.**

DISTRIMAN	Order Ref
DISTRIMAN (Aliquots from 1 µL to 1.25 mL)	F164001

### DIRECT VOLUME READOUT

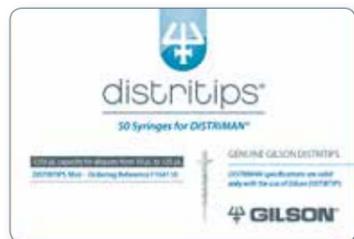
- With the DISTRIMAN you can dispense the exact volume, eliminating tedious calculations.

### ONLY 3 SYRINGES NEEDED

- Micro 125 µL, Mini 1250 µL and Maxi 12.5 mL cover the entire volume range (aliquots from 1 µL to 1.25 mL).
- DISTRIMAN is the only repetitive pipette available capable of dispensing more than 100 aliquots.

### WIDE SELECTION OF PACKAGING OPTIONS

- Each model of DISTRITIPS is available in standard or sterilised (ST) version, in boxes of 50 syringes.
- Sterilised DISTRITIPS are individually wrapped and certified free of RNase, DNase, DNA, RNA, ATP, and pyrogens.



# distritips®

## Trusted results

DISTRIMAN's specifications are more stringent than those required to be ISO 8655 compliant.

DISTRITIPS (box of 50 syringes)	Aliquot Range	Ordering Reference	Volume (µL)	Maximum Permissible Errors			
				Gilson		ISO 8655	
				Systematic error (µL)	Random error (µL)	Systematic error (µL)	Random error (µL)
<b>125 µL</b> Micro Micro ST*	1 µL to 12.5 µL	F164100 F164130	Min .2	± 0.100	≤ 0.080	± 0.2	≤ 0.1
			5	± 0.125	≤ 0.075	± 0.2	≤ 0.1
			Max.10	± 0.200	≤ 0.100	± 0.2	≤ 0.1
<b>1250 µL</b> Mini Mini ST*	10 µL to 125 µL	F164110 F164140	Min.20	± 0.80	≤ 0.20	± 1.5	≤ 0.6
			50	± 1.00	≤ 0.40	± 1.5	≤ 0.6
			Max.100	± 1.00	≤ 0.60	± 1.5	≤ 0.6
<b>12.5 mL</b> Maxi Maxi ST*	100 µL to 1.25 mL	F164120 F164150	Min. 200	± 6.0	≤ 1.0	± 12.0	≤ 4.0
			500	± 7.5	≤ 1.5	± 12.0	≤ 4.0
			Max. 1000	± 10.0	≤ 2.5	± 12.0	≤ 4.0

\*ST means sterilised syringes (individually wrapped).



# repetman®

The motorised repetitive dispensing solution!



### HIGH PERFORMANCE

- Wide range of dispensed volume. From 1 µL to 50 mL including non-standard such as 7.5 µL, 156 µL or 9.54 mL.
- Simple and intuitive operation. Three operating modes: Dispensing, Automatic Dispensing and Pipetting.
- Perfect match with REPET-TIPS to meet ISO's recommendations.
- Rechargeable battery pack. Automatic battery recharging by placing REPETMAN on the charging stand.
- A second battery pack can be charged directly on the stand.



### COMFORTABLE

- Ergonomic design. Fits naturally in either hand and increases operator comfort.
- Automatic tip identification. Coded syringe-plunger automatically identifies the tip size.
- Learn function. Digital pipetting-rate monitoring technology detects your true pipetting-rate and then automatically adjusts dispensing rhythm.

# repet-tips

## LARGE CHOICE OF REPET-TIP PACKAGING

- Ten standard or sterile REPET-TIP syringe sizes available from 0.1 mL to 50 mL.
- Sterile REPET-TIPS are individually wrapped and certified free of endotoxins.



REPET-TIPS	Non-Sterile	Sterile*
REPET-TIP (0.1 mL, box of 100)	F164510	F164515
REPET-TIP (0.5 mL, box of 100)	F164520	F164525
REPET-TIP (1.0 mL, box of 100)	F164527	F164528
REPET-TIP (1.25 mL, box of 100)	F164530	F164535
REPET-TIP (2.5 mL, box of 100)	F164540	F164545
REPET-TIP (5.0 mL, box of 100)	F164550	F164555
REPET-TIP (10.0 mL, box of 100)	F164557	F164558
REPET-TIP (12.5 mL, box of 100)	F164560	F164565
REPET-TIP (25 mL, box of 50)**	F164570	-
REPET-TIP (25 mL, box of 25)**	-	F164575
REPET-TIP (50 mL, box of 25)**	F164580	F164585
Adapter for 25/50 mL REPET-TIP (set of 10)	F164591	-
Adapter for 25/50 mL REPET-TIP (set of 5)	-	F164592

\* Sterile / Endotoxin-free (less than 0.01 IU/mL)

\*\* One autoclavable adapter is provided in each box



To place an order please contact us by phone, fax or email  
t: +31 (0) 70 307 36 36 | f: +31 (0) 70 307 36 39 | e: sales-nl@gilson.com

SPECIALITY PIPETTES



### PERFORMANCE

- For all plastic & glass pipettes from 1 to 100 mL.
- Continuously adjustable speed: 25 mL in 4 sec.
- Environmentally friendly NiMH battery for 8 hours operation.
- Precise & smooth dosing button control: drop-by-drop, gravity mode and motorised speed.



Stable, safe & easy to pick up

### OPTIMAL COMFORT

- Integrated, adjustable stand for easy handling when pipette attached.
- Large & soft-touch material dosing button.
- Light-weight.
- Quiet operation & vibration free.
- Ergonomic-shape handle with grip.



Soft & fatigue free pipetting

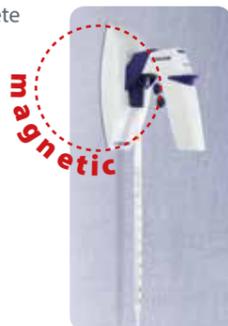
Description	Ordering Reference
MACROMAN	F110756



### Complete your equipment with:

**Magnetic charging stand** (with complete mounting kit) for busy laminar flow cabinet.

**Unique adaptor** for D5000 and D10mL PIPETMAN DIAMOND® Tips.



Description	Ordering Reference
Charging stand	F1077528
0.45 µm standard filter	F1077504
0.45 µm sterile filter	F1077525
0.20 µm standard filter	F1077503
0.20 µm sterile filter	F1077526
Nose-piece	F1077506
Filter rubber	F1077502
Pipette mount	F1077505
Adaptor for D5000 and D10mL PIPETMAN DIAMOND® Tips	F161287



Get on track, keep on track, as you pipette flawlessly with the help of your new personal laboratory assistant.

TRACKMAN simplifies your work, improves your productivity and helps eliminate errors and cross-contamination.

### MAXIMUM CONTROL

- 16 programming possibilities for pipetting patterns (rows, columns, etc.), pipette types and plate types.
- Timer function enables hands-free operation.
- Optional foot pedal available for hands free control.

### VERSATILE PERFORMANCE

- Duo-plate tracker lights the way to your pipetting so you avoid losing track of where you need to start or where you left off.
- Can be used with both 96 and 384 well microplates, and single and multichannel pipettes.
- Easily switch from using one size plate to another on the same instrument.

### ALWAYS OPERATIONAL

- Long lasting battery allows cordless operation for up to eight hours.
- Portable slim design takes up small footprint on your benchtop.



Model	Order Ref
TRACKMAN	F70301

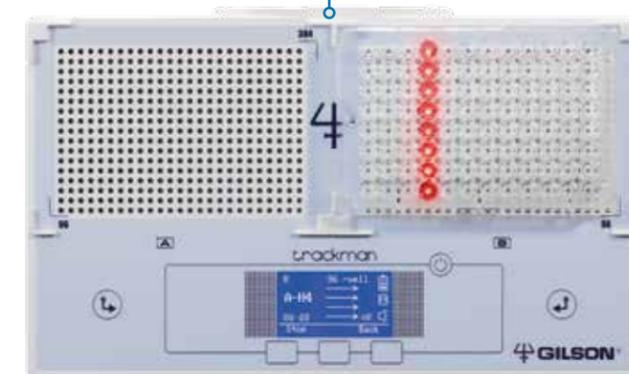
### Complete your equipment with:

Model	Order Ref
Microtube-holder	F70105

Expand the functionality of your TRACKMAN with the versatile microtube-holder to transfer liquids from one microtube to another (0.5 mL, 1.5 mL and 2 mL).

Model	Order Ref
Pedal for TRACKMAN	F70261

Enjoy hands-free operation and individual speed control, when you equip your TRACKMAN with Gilson's optional foot pedal.





# pipette accessories

The perfect addition to your PIPETMAN®!

Gilson accessories are of the same high quality as Gilson pipettes. Gilson considers accessories as a part of the system. All pipettes should be stored vertically to avoid the possibility of liquid running back into, and contaminating or corroding the interior of the pipette.

## CARROUSEL™ PIPETTE STAND

The CARROUSEL holds up to seven Gilson pipettes, all models (except PIPETMAN Concept®). Its rotating head provides easy access to the desired unit. CARROUSEL is robust, stable and space saving, making your work bench look neat. Its heavy base prevents toppling over.



## SINGLE™ PIPETTE HOLDER

SINGLE is designed to conveniently hold all Gilson Pipettes (except PIPETMAN Concept) where space is limited (fume hoods, bio safety cabinets, etc.). Stuck to any smooth, dry surface or fastened with screws, it keeps your pipette within reach. Resistant to chemicals and UV light.



## TRIO™ PIPETTE STAND

The TRIO stand features enhanced quality and reliability. Its angled, transparent design provides a convenient and secure way to store your Gilson pipettes (any models except PIPETMAN Concept, PIPETMAN M and MICROMAN) with exceptional stability. Its transparent body allows you to see the objects placed behind.



## UNIVERSAL MULTICHANNEL STAND

The Universal multichannel stand is a dedicated stand for all multichannel pipettes (8 or 12 channels of any brands). It protects and stores your pipette on a minimized bench space.



## GILSON REAGENT RESERVOIRS

Disposable reagent reservoirs, constructed of white polystyrene, are ideal for dispensing reagent with multichannel pipettes. Two different volumes are available, 25 mL and 50 mL.



## PIPETMAN COMFORT HANDLE

Add even more comfort to your PIPETMAN Classic, Neo and G models. The PIPETMAN COMFORT HANDLE clips on to the body, reducing the force needed to grip the pipette. Can be customised with labels for easy identification and personalisation. Available in blue or white.



## NAME TAGS

Personalise your PIPETMAN Concept by writing your name and application on one of the coloured stickers (protected by the plastic window).



## COLORIS™ IDENTIFICATION CLIPS

GLP-friendly, these brightly coloured clips are used to identify or personalise your PIPETMAN pipettes. Just write your name or application to avoid mix-ups. Made of polyacetal, COLORIS clips accept permanent ink and simply snap into place.



## THE JIMMY™ MICROTUBE OPENER

PIPETMAN® Classic, Neo and G ergonomic and hands-free microtube opener, opens both snap-cap and screw-cap tubes. This effective device eliminates the need to manually handle the caps of tubes when opening. It increases pipetting efficiency and lessens the fatigue associated with manual tube opening.



Description	Ordering Ref
CARROUSEL, stand for 7 pipettes	F161401
SINGLE pipette holder	F161406
TRIO, stand for 3 pipettes	F161405
Universal Multichannel Stand	F161417
Reagent Reservoir 25mL, 10 pk of 10 reservoirs	F267660
Reagent Reservoir 50mL, 10 pk of 10 reservoirs	F267670
PIPETMAN COMFORT HANDLE 3 pk, blue	F161486
PIPETMAN COMFORT HANDLE 50 pk, blue	F161485
PIPETMAN COMFORT HANDLE 3 pk, white	F161488
PIPETMAN COMFORT HANDLE 50 pk, white	F161487
Stickers for COMFORT HANDLE, 10 sheets of 12	F161499
Set of 5 name tags, PIPETMAN Concept	F3071107
10 COLORIS clips, mixed colours, PIPETMAN	F161301
10 COLORIS clips, red, PIPETMAN	F161302
10 COLORIS clips, yellow, PIPETMAN	F161303
10 COLORIS clips, green, PIPETMAN	F161304
10 COLORIS clips, blue, PIPETMAN	F161305
10 COLORIS clips, white, PIPETMAN	F161306
THE JIMMY, microtube opener	F144983



# pipetman starter kits

All you need to get started, in a single box!

Our PIPETMAN Starter Kits contain everything you need to start pipetting.

- Save money when compared to pipettes and accessories bought separately.
- Each kit contains three PIPETMAN pipettes, two packs of PIPETMAN TIPACK Tips, relevant accessories and a Gilson Guide to Pipetting\*.



	PIPETMAN Starter Kits	Ordering Reference	PIPETMAN Models	PIPETMAN DIAMOND Tips (racks of 96 tips)	Accessories
pipetman L	PIPETMAN L Starter Kit	F167350	P20L P200L P1000L	D200 D1000	• 3 SINGLE pipette holders • 3 Plastic ejectors • 1 User's Guide PIPETMAN L • 1 Two-minute inspection poster • 1 Gilson Guide to Pipetting
	PIPETMAN L Micro-Volume Kit	F167550	P2L P10L P100L	DL10 D200	• 3 SINGLE pipette holders • 3 Plastic ejectors • 1 User's Guide PIPETMAN L • 1 Two-minute inspection poster • 1 Gilson Guide to Pipetting
pipetman G	PIPETMAN G Starter Kit	F167900	P20G P200G P1000G	D200 D1000	• 3 SINGLE pipette holders • 1 Gilson Guide to Pipetting • 3 Plastic ejectors
	PIPETMAN G Micro-Volume Kit	F167800	P2G P10G P100G	DFL10ST DF100ST	• 3 SINGLE pipette holders • 1 Gilson Guide to Pipetting • 3 Plastic ejectors
pipetman Neo	PIPETMAN Neo PCR Kit	F167600	P10N P100N P1000N	DFL10ST DF100ST DF1000ST	• 3 SINGLE pipette holders • 1 Gilson Guide to Pipetting • 1 Two-minute inspection poster • 3 Pipette identification stickers
	PIPETMAN Neo Starter Kit	F167700	P20N P200N P1000N	D200 D1000	• 3 SINGLE pipette holders • 1 Gilson Guide to Pipetting • 1 Two-minute inspection poster • 3 Pipette identification stickers
pipetman Classic	PIPETMAN Classic Micro-Volume Kit	F167500	P2 P10 P100	DFL10ST DF100ST	• 3 SINGLE Pipette Holders • 1 Gilson Guide to Pipetting
	PIPETMAN Classic Starter Kit	F167300	P20 P200 P1000	D200 D1000	• 3 SINGLE Pipette Holders • 1 Gilson Guide to Pipetting
	PIPETMAN Classic Large-Volume Kit	F167400	P5000 P10mL	-	• 2 x 10 protection filters for P5000 and P10mL

Note: Pipettes are all equipped with stainless steel ejectors.

\* PIPETMAN Classic Large-Volume Kit contains two pipettes and protection filters only. PIPETMAN Neo PCR Kit contains three packs of TIPACKS

PIPETTE ACC



To place an order please contact us by phone, fax or email  
t: +31 (0) 70 307 36 36 | f: +31 (0) 70 307 36 39 | e: sales-nl@gilson.com



**Not all pipette tips are the same. They are essential components of your pipetting system and contribute up to 50% of the performance of your pipette. Only by using the correct pipette and tip combination can you guarantee the accuracy and precision of your results.**

Only PIPETMAN Tips guarantee Gilson's PIPETMAN accuracy and precision specifications.

**100% PURE VIRGIN POLYPROPYLENE**

Smooth hydrophobic surface prevents liquid retention and ensures complete dispensing. No dyes. No additives. No trace metals.

**ERGONOMIC TIP FITTING**

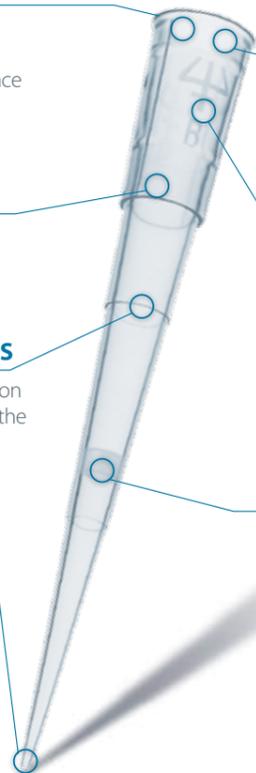
Best match between pipette and tips reduces the strain to fit and eject tips.

**GRADUATED VOLUME MARKERS**

Small volume tips have volume graduation markers making it easy to visually check the volume aspirated.

**FINE & FLEXIBLE POINT**

The last droplet is easier to dispense.



**A PERFECT SEAL**

Two solid sealing rings when used with PIPETMAN pipettes ensure more consistent and reliable results each and every time.

**FULLY TRACEABLE**

From the mould to the bench. The Gilson Trident is your guarantee of quality.

**CONTAMINATION PREVENTION WITH FILTER TIPS**

Gilson's high-density polyethylene filter provides an effective barrier against aerosols.

**PIPETMAN DIAMOND TIP GEOMETRY DELIVERS MAXIMUM ACCURACY**

- PIPETMAN DIAMOND Tips guarantee that Gilson pipettes meet our specified tolerances and deliver consistent results over time.

**ADDING COMFORT WHILE FITTING & EJECTING TIPS**

- Loose tip fitting is a major cause of poor performance. Specifically designed for Gilson pipettes, the diameter of the tip-collar and tip-holder of the PIPETMAN DIAMOND Tips are calculated to fit together perfectly.

**BEST MATCH BETWEEN PIPETTE & TIPS REDUCES THE STRAIN TO FIT & EJECT TIPS**

- With PIPETMAN DIAMOND Tips there is no need to jam them on "extra tight" – use of excessive force that causes muscular stress and fatigue to the arm and shoulder is greatly reduced. As a result, thumb force to eject tips is minimal.

**PURE POLYPROPYLENE ENSURES NO CONTAMINATION & COMPLETE DISPENSING**

- PIPETMAN DIAMOND Tips are made from the highest grade virgin polypropylene to prevent contamination of your experiments. This polypropylene has high hydrophobic properties to ensure the lowest possible retention no matter what liquid is pipetted.

**LARGEST RANGE OF PACKAGING**

**BLISTER REFILL: Convenient And Clean**

- Individually wrapped racks of tips that are convenient, clean and eco-friendly.
- Ready to use, just peel the lid and insert into the EMPTY BOX (see page 31).
- Use 45% less plastic than regular rack box.
- Colour coded racks to indicate tip models and PIPETMAN model compatibility.
- Fully autoclavable and available for sterilised and filter tips.
- 10 individually wrapped racks of 96 tips.



**TIPACK: Racked Tips Ready To Use**

- Securely sealed with a colour-coded sticker. It includes the batch number and the tip maximum volume.
- All racks are colour-coded for easy identification.
- Patented ROCKY RACK system makes it extremely easy to fit tips on multichannel pipette.
- Steady base so that tips will not jump out of the rack when fitting a new one.
- Available for all tip models including filter tips, autoclavable or sterilised.
- 10 TIPACKS of 96 tips ( except D5000 12 x 50 tips, D10mL 8 x 30 tips).



**EASYPACK & ECOPACK: Economical Bulk Packs**

- Most economical way to purchase finest quality tips.
- Bags are sealed with rapid-sealing strip for easy access and to prevent contamination.
- Minimal waste.
- Packs are colour-coded for easy identification.
- Fully autoclavable.
- EASYPACK (5 bags of 200 tips).
- ECOPACK (10 bags of 1000 tips).



**RELOAD PACK: Saves Space, Time & Money**

- Quickest way to reload EMPTY BOX (see page 31).
- Use 70% less plastic, recyclable packaging is eco-friendly.
- Three times smaller than a regular tip box.
- Easy to store, takes up less bench space.
- Affordable and convenient.
- All racks are colour-coded for easy identification.
- Fully autoclavable.
- 10 racks of 96 tips (except D1000 6 x 96 tips).



**TOWERPACK: Innovative Refill System**

- A quick, easy and affordable rack refill system.
- Use 60% less space on your bench and less plastic than regular rack box.
- Whole range of TOWERPACK fits the amazingly easy-to-use universal reload box.
- One-hand system operation.
- All racks are colour-coded for easy identification.
- Fully autoclavable.
- 10 racks of 96 tips (except D1000 7 x 96 tips).



**STERILPACK: Complete Contamination Control**

- Individually wrapped sterilised tips.
- Complete protection from contaminants up to the moment of use.
- Wrapped in medical device quality plastic.
- Sterilisation guaranteed for 5 years.
- 400 individually wrapped sterilised tips.



TIPS



Pipette tips are actual size except D5000 and D10mL.

	Volume range	Tip model	PIPETMAN Model					BLISTER REFILL (10 racks x 96 individually wrapped)		RELOAD PACK (10 racks of 96)	TIPACK (10 TIPACKS of 96 racked tips)		TOWERPACK (10 racks of 96 tips)		STERILPACK (400 tips individually wrapped)	ECOPACK box of 10,000 tips (10 bags of 1,000)	EASYPACK box of 1,000 tips (5 bags of 200)	Empty Racks (set of 2) NOT FOR TOWERPACK
			Classic	Neo	G	L	M	Autoclavable	γ-Ray sterilised	Autoclavable	Autoclavable	γ-Ray sterilised	Autoclavable	γ-Ray sterilised	γ-Ray sterilised	Autoclavable	Autoclavable	
								-	-	-	-	-	-	-	-	-	-	-
<b>STANDARD TIPS</b>	0.1 - 10 µL	D10	P2, P10	P2N, P10N	P2G, P10G	F1L, F2L, F5L, F10L P2L, P10L 8x10L, 12x10L	P10M	-	-	-	F171100	F171101	F167101	F167201	-	F161630	F161631	F171102
	0.1 - 20 µL	DL10	P2, P10	P2N, P10N	P2G, P10G	F1L, F2L, F5L, F10L P2L, P10L 8x10L, 12x10L, 8x20L, 12x20L	P10M, 8x20, 12x20	F172200	F172201	F167012	F171200	F171201	F167102	F167202	-	F161450	F161451	F171202
	2 - 200 µL	D200	P20 to P200	P20N to P200N, 8x200, 12x200	P20G to P200G	F20L, F25L, F50L, F100L, F200L P20L to P200L 8x20L, 12x20L, 8x200L, 12x200L	P20M, P200M, P100M, P300M, 8x20, 12x20, 8x100, 12x100, 8x200, 12x200, 8x300, 12x300	F172300	F172301	F167013	F171300	F171301	F167103	F167203	F161330	F161930	F161931	F171302
	20 - 300 µL	D300	P200	P200N, 8x200, 12x200	P200G	F250L P200L 8x200L, 12x200L, 8x300L, 12x300L	P200M, P300M 8x200, 12x200 8x300, 12x300	F172400	F172401	-	F171400	F171401	F167105	F167205	-	F161730	F161731	F171402
	100 - 1000 µL	D1000	P1000	P1000N	P1000G	F300L, F400L, F500L, F1000L P1000L	P1200M	F172500	F172501	F167014 (6 racks/ 96 tips)	F171500	F171501	F167104 (7 racks of 96 tips)	F167204 (7 racks of 96 tips)	F161340	F161670	F161671	F171502
	100 - 1200 µL	D1200	P1000	P1000N	P1000G	P1000L	P1200M 8x1200, 12x1200	EMPTY BOXES for BLISTER REFILL & RELOAD PACK (Set of 2)		-	F171600	F171601	UNIVERSAL RELOAD BOX required for TOWERPACK		-	F161110	F161111	F171502
	0.5 - 5 mL	D5000	P5000	-	P5000G	F5000L P5000L	P5000M	EMPTY BOX DL10/D200 F171204		-	F161370 (12 x 50 tips)	-	F167100 		-	-	F161571 (3 bags x 334 tips)	F161360 (1 rack)
1 - 10 mL	D10mL	P10mL	-	P10mL G	P10mLL	P10mL	EMPTY BOX D1000 F171504		-	F161230 (8 X 30 tips)	-	-	-	-	-	F161210 (200 tips)	F161220 (1 rack)	
<b>FILTER TIPS</b>	0.1 - 10 µL	DF10ST	P2, P10	P2N, P10N	P2G, P10G	F1L, F2L, F5L, F10L P2L, P10L	P10M	-	-	-	-	F171103	-	-	-	-	-	-
	0.1 - 10 µL	DFL10ST	P2, P10	P2N, P10N 8x20, 12x20	P2G, P10G	F1L, F2L, F5L, F10L P2L, P10L 8x10L, 12x10L	P10M, 8x20, 12x20	-	F172203	-	-	-	F171203	-	-	-	-	-
	2 - 30 µL	DF30ST	P20	P20N 8x20, 12x20	P20G	F20L, F25L P20L 8x10L, 12x10L, 8x20L, 12x20L	P20M, 8x20, 12x20	-	F172303	-	-	-	F171303	-	-	-	-	-
	20 - 100 µL	DF100ST	P100	P100N	P100G	F50L, F100L P100L 8x200L, 12x200L	P100M, P20M, 8x100, 12x100, 8x200, 12x200	-	F172403	-	-	-	F171403	-	-	-	-	-
	20 - 200 µL	DF200ST	P200	P200N, 8x200, 12x200	P200G	F200L P200L 8x200L, 12x200L	P200M, P300M, 8x300, 12x300 8x200, 12x200	-	F172503	-	-	-	F171503	-	-	-	-	-
	20 - 300 µL	DF300ST	P200	P200N, 8x200, 12x200	P200G	F250L P200L 8x200L, 12x200L, 8x300L, 12x300L	P200M, P300M 8x200, 12x200 8x300, 12x300	-	F172703	-	-	-	F171603	-	-	-	-	-
	100 - 1000 µL	DF1000ST	P1000	P1000N	P1000G	F300L, F400L, F500L, F1000L P1000L	P1200M	-	F172603	-	-	-	F171703	-	-	-	-	-
	100 - 1200 µL	DF1200ST	P1000	P1000N	P1000G	P1000M	P1200L	-	-	-	-	-	F171803	-	-	-	-	-

**BLISTER REFILL FOR PIPETMAX**

BLISTER REFILL for PIPETMAX Volume Range	Model	Autoclavable	γ-ray Sterilised
		Part/no	Part/no
STANDARD TIPS			
0.1-20 µL	DSL10	F172210	F172211
2-200 µL	DS200	F172310	F172311
100-1000 µL	DS1000	F172510	F172511
FILTER TIPS			
0.1-10 µL	DSFL10	-	F172213
2-30 µL	DSF30	-	F172313
20- 200 µL	DSF200	-	F172513
100 - 1000 µL	DSF1000	-	F172613

BLISTER REFILL: 10 x 96 tips

**CAPILLARY PISTONS (CP's)**

Capillary Pistons are the disposable tips specifically designed, developed and manufactured to fit MICROMAN E and MICROMAN perfectly. View the CP range page 21



**ENVIRONMENTAL POLICY**

Gilson is concerned about disposal of plastics into the environment and knows that most of our end users also feel responsible. The company has taken a number of initiatives to minimize the impact of tip-packaging waste and has designed an original reload system (TOWERPACK™) and (RELOAD PACK) which uses 70% less plastic than standard racks.

Manual sample preparation can often be inefficient, complex and time consuming. This leads to increased training requirements, preparation time, procedural error and operational costs. PIPETMAX, from Gilson, is an easy-to-use, automated liquid handling platform that can solve these problems with automated sample preparation solutions. Unlike traditional automation platforms, PIPETMAX comes at a size and price that is accessible to any lab, and has a PIPETMAN inside!

#### MAXIMISE EFFICIENCY

The easy-to-use PIPETMAX takes the tedious work of pipetting out of your hands, freeing you to focus on other projects.

#### MAXIMISE CAPABILITY

PIPETMAX can increase your lab's pace by making procedural errors a thing of the past.

#### MAXIMISE RESULTS

The trusted PIPETMAN® - built-in reliability for consistent results. The most reliable pipette inside the most reliable automated pipette system.

#### MAXIMISE LAB SPACE

A small footprint that fits easily on your benchtop working next to you or under a hood.

#### MAXIMISE YOUR REAGENTS

Flexible, open platform that works with a variety of different reagents and kits.

#### MAXIMISE YOUR OPTIONS

Download applications with simple protocol configurations on an intuitive, open software platform we've designed with your needs in mind.



#### PIPETMAX APPLICATIONS

Simple kits allow one PIPETMAX to run a multitude of different applications such as qPCR, PCR, ELISA, kinase assays, cell based assays, NGS library preparation, protein assays, custom LH, enzymatic reactions and more.



PIPETMAX TECHNICAL DATA	
PIPETTING HEAD OPTIONS	8 channel 1 - 20 µL, 8 channel 20 - 200 µL, single channel 1000 µL
PIPETTING HEAD MOUNTS	2 PIPETMAX pipetting heads
BED CAPACITY	9 standard microplate positions
LABWARE COMPATIBILITY	Standard shallow and deep well microplates and microcentrifuge tubes
INSTRUMENT DIMENSIONS	24.8" x 21.0" x 20.7" (with cover), 24.8" x 20.0" x 19.0" (without cover)
OPERATIONAL AIR TEMPERATURE	4 - 40° C

#### ACCURACY - CONSISTENCY - VERSATILITY - REPRODUCIBILITY



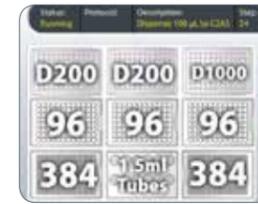
##### PIPETMAN INSIDE

With pipetman inside, you can trust your pipetting to be reliable and consistent - plate to plate, lot to lot, time after time.



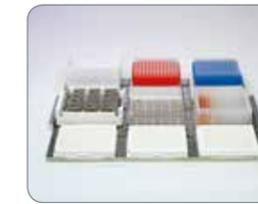
##### NO MORE USER VARIATION

Free yourself from tedious pipetting jobs and free your results from inconsistencies due to pipetting errors.



##### A TRULY OPEN SYSTEM: USE ANY REAGENT, ANY PROTOCOL

Configure and customise your run using any reagent and any protocol you want. The hardware and software are built to be customisable.



##### EXCHANGEABLE HEADS, REMOVABLE TRAY

Hardware can be customised to suit your methods and the pipette heads can be calibrated like a PIPETMAN.

## qPCR pipetmax

PCR setup made easy using language spoken by scientists

PIPETMAX, with qPCR Assistant, automates routine pipetting commonly performed prior to qPCR, PCR and rt-PCR experiments, reducing technical variability and eliminating sample cross-contamination.

#### qPCR AUTOMATION AT YOUR FINGERTIPS

- **TRACEABILITY** - Import sample information when creating new qPCR protocols and export final sample and control locations to various thermocyclers afterwards.
- **REPRODUCIBILITY** - Highly reproducible qPCR sample preparations for 10's and 100's of samples.
- **FLEXIBILITY** - Flexible automation of qPCR and PCR master mix, sample dilution and reaction plate preparation.

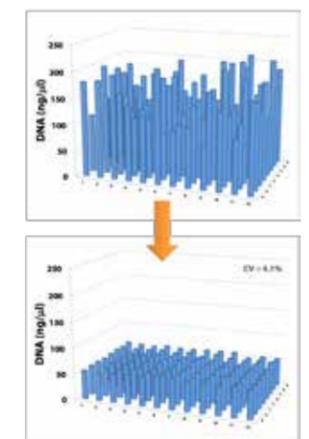
## normalization assistant

Create fully automated DNA or RNA normalization protocols

By automating the tedious calculations and sample tracking tasks required for normalization, PIPETMAX with Normalization Assistant brings effortless traceability and reliability to your DNA or RNA normalization sample prep, while performing all of your normalization pipetting for you.

#### NORMALIZATION SETUP AT YOUR FINGERTIPS

- **DATA HANDLING** - Normalization Assistant manages sample information import and export and even performs QC checks for you.
- **CONFIDENCE** - Automated method creation and run for confidence that procedural errors and reproducibility issues will not affect data.
- **AUTOMATION** - With intuitive, automated sample preparation you can publish faster and increase the pace of your research.





# platemaster™

Now you can pipette 96 and 384 well plates....FAST!

**PLATEMASTER is an amazingly easy to use, accurate solution for high throughput pipetting of 96 and 384 well plates. Its compact and ergonomic design means it can be used anywhere and by anyone for fast, effortless and reproducible pipetting across 96 channels.**

### HIGH PRODUCTIVITY IN YOUR LAB

- Reduces the number of pipetting steps necessary to fill a microplate when compared to using regular multichannel pipettes, and optimises your workflow and comfort.
- A quick 5-minute training is enough to make it operational by pipette users.
- Performs pipetting silently unlike robotic devices.

### FILL A PLATE IN A SINGLE DISPENSE

- Filling of a 96 well plate requires less than 10 seconds.
- Fill a 384 well plate in less than a minute, in only 4 pipetting steps.
- High-throughput experiments can be performed while avoiding high costs and saving staff resources.

### GUARANTEED ACCURACY AND SAFETY

- By using high quality PIPETMAN DIAMOND Tips, an accuracy and precision level is obtained corresponding to 8 or 12 channel pipettes.
- Additionally, the risk of double-pipetting entire rows or columns is excluded. The latest generation of PLATEMASTER guarantees the highest safety in pipetting.

### INCREASE CONSISTENCY ON TIME-SENSITIVE APPLICATIONS

- Reduce risk of human errors by eliminating the possibility of skipping or repeating wells.
- Increase reproducibility from well-to-well and from plate-to-plate.
- All enzymatic reactions or cell-based applications can be started and stopped in the 96 wells at the same time.

### EASY INTEGRATION IN THE LAB

- Compact and portable to use on any lab bench, under a hood, or in a cold room.

### AS INTUITIVE AS A PIPETMAN!

- 3 steps to fill a 96-well plate

- 1 Fit the PIPETMAN DIAMOND Tips.
- 2 Aspirate the solution.
- 3 Dispense into the chosen plate.



PLATEMASTER TECHNICAL DATA	
PLATEMASTER P20 F110761	0.5 µL - 20 µL <i>Adjustable in 0.1 µL increments</i>
PLATEMASTER P220 F110762	2 µL - 220 µL <i>Adjustable in 1 µL increments</i>
DIMENSIONS	300 mm x 450 mm x 400 mm (W x L x H)
WEIGHT	16kg



# safe aspiration STATION

Safe and simple solutions for biological liquid waste disposal

**The Gilson Safe Aspiration Station is a stand-alone vacuum system that incorporates all the essential characteristics to aspirate quickly and safely all kinds of liquids in a laboratory and collects them in a liter polypropylene bottle.**

### COMFORT AND FLEXIBILITY

- Quiet operation – motor starts only when vacuum pressure drops.
- Compact design and small footprint perfect in laminar flow cabinets.
- Adjustable aspiration speed allows for quick aspiration.
- Handle accommodates different types of adaptors to aspirate from a variety of vessels.
- Always ready to use – just press the handle-button to aspirate.
- Convenient coupling for quick bottle emptying.

### SAFE AND CONTAMINATION-FREE

- Closed, stand-alone unit designed to prevent contamination hazards.
- All parts in contact with the liquid are autoclavable.
- In-line hydrophobic filter traps aerosols.
- Level detection to prevent overflow.
- Polypropylene bottle.
- Connect two handles to the Gilson Safe Aspiration Station with the Y-shape connector.



### OPTIONAL GILSON ASPIRATION KIT

Handle, tubing set and holder

Handle cradle now included

8-tip adaptor with tip ejector

8-needle stainless-steel adaptor

Tip adaptor with tip ejector



ELISA test



Cell culture

Model	Order Ref
Gilson Safe Aspiration Station	F110741
Gilson Safe Aspiration Kit	F110742

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# microplate readers

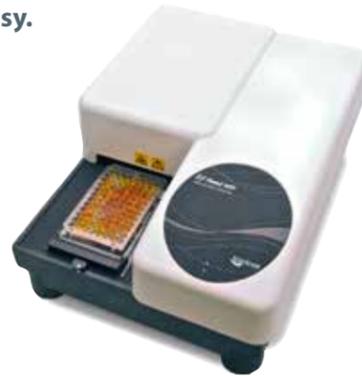
Biochrom EZ Read series for easy sample analysis

The Biochrom EZ Read series of high performance, economical microplate readers delivers everything you need to make your absorbency assays easy.

## EZ READ 400 MICROPLATE READER

Simple and robust microplate reader that is an ideal choice for laboratories which require a workhorse instrument for their routine absorbance assays.

- Available in two applications-focused models; EZ Read 400 ELISA dedicated ELISA reader and EZ Read 400 RESEARCH that offers versatility by extending its applications capacity to measuring total protein, cell proliferation assays as well as ELISA assays.
- Both models are PC controlled using intuitive Galapagos software that simplifies data acquisition and analysis.



## EZ READ 800 & EZ READ 800 PLUS PLATE READERS

The EZ Read 800 (PC controlled) and 800 Plus (stand alone) are fast and accurate microplate readers that are an ideal choice to keep up with a heavy workload in a busy high-throughput laboratory.

- EZ Read 800 series available in two application-focused models: Dedicated ELISA Reader and RESEARCH READER that measures total protein, cell proliferation assays as well as ELISA assay.
- Filter based device.
- Less than 5 seconds for 96-well plate.
- Standalone or PC controlled with Galapagos software.
- 4 shaking modes.



## EZ READ LED PLATE READER

The EZ Read LED microplate reader delivers fast and reliable measurement performance using LEDs coupled to high quality interference filters for light source and wavelength selection. Novel LED technology provides worry-free operation without compromising on measurement performance. LEDs rarely require replacement unlike traditional halogen lamps.

- EZ Read LED Reader has 4-pre-installed LEDs for measuring ELISA assays.
- 8 Channel reader.
- 4 pre-installed LEDs.
- 4 shaking modes.
- PC controlled.
- 340nm UV option for NADH/NADPH assays.



# EZ Read 2000 microplate reader

Versatile microplate reader for a wide range of assays

**EZ Read 2000 is the best choice for laboratories requiring a microplate reader that can be used for a range of absorbance applications.**

This versatile microplate reader is capable of measuring samples in many different microplate formats: 12-, 24-, 48- and 96- well plates. The EZ Read 2000 uses tunable wavelength scanning so that any wavelength can be chosen from 340nm to 800nm.

## EZ READ 2000 FEATURES

- No need for filters - Monochromator optics for measurements from 340nm to 800nm enables a wide range of assays.
- Automatic calibration of single channel optical systems with self-check for precision measurements.
- Shaking ensures complete mixing of solutions, cells stay in suspension and coloured solutions homogenized.
- Wavelength scanning for contamination detection, peak absorbance detection and product formation studies.
- PC controlled using new intuitive Galapagos software for data acquisition and analysis.



# Asys Atlantis plate washer

The perfect tool for all your ELISA assays

**The Biochrom Asys Atlantis microplate washer for standard SBS footprint 96 and 384 well plates with flexibility in washing options, simple operation and digitally controlled aspiration and dispensing pumps. It is the perfect choice to complement any microplate reader in any applications environment.**

## ASYS ATLANTIS FEATURES

- Available with 2 or 4 wash/rinse bottles.
- Filling of a 96 well plate requires less than 20 seconds.
- Comes as standard with an 8 channel manifold for 96 well plates.
- Can be used for 384 well plates.
- 12- and 16-channel manifold options.
- Detachable plate carrier for easy cleaning.
- Automatic rinse function to prevent clogging.
- Wash without touching the well using the automatic well depth detection and crosswise aspiration selectable functions.
- Configurable to a range of microplate well types.
- Efficient washing (< 1µL residual volume in flat bottomed plates).
- Compatible with half-area plates.
- 50 different programmes can be defined.



## EZ READ APPLICATION MODELS

ELISA Models:

ELISA Assay Substrate	Filter
pNPP, ABTS	405nm
OPD	492nm
Slow TMB, Turbo TMB, Ultra TMB	450nm
Reference wavelength	620nm

RESEARCH Models:

ELISA Assay Substrate	Filter
pNPP, ABTS	405nm
OPD	492nm
Slow TMB, Turbo TMB, Ultra TMB	450nm
Reference wavelength	620nm

### Total Protein Assays

Bradford	595nm
BCA	562nm
Lowry	650nm

### Cell Proliferation/Viability Assays

MTT	570nm
XTT*	492nm
Cell Density*	620nm

\* 800 models only

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The MINIPULS Evolution is the newest innovation offering unmatched flexibility and performance for liquid handling transfers.

### GILSON ROBUSTNESS, PERFORMANCE AND RELIABILITY

- Safe and durable design, can work 24/7.
- Stainless steel rollers for great durability and chemical resistance.
- The stepper motor and the spring loaded cartridges assure a high precision of flow rate despite tubing stretching: less than 2% variation after 24h in operation.
- Quick, flexible and safe set up.



Description	Ordering Reference
Minipuls Evolution Speed Control Module	F110701
MF1 Pump Head	F110705
MF4 Pump Head	F110706
HF2 Pump Head	F110707



# minipuls 3

### PULSE-FREE FLOW PERISTALTIC PUMP

- High performance and versatile.
- Pulse-free flow (10 stainless steel rollers!).
- Excellent flow-rate accuracy and reproducibility.
- Wide flow-rate range from 0.3 µL/min to 220 mL/min.
- Operates at higher pressures than competitor products (up to 0.5 MPa).
- Low noise operation.
- High chemical resistance material (drive module and pump heads).



Minipuls 3			
Description	Ordering Ref	Max Flow Rate	Number of Channels
Pump Module MINPULS 3	F155001	-	-
R1 Pump Head	F117604	up to 30 mL/min	1
R2 Pump Head	F117800	up to 30 mL/min	2
R4 Pump Head	F117606	up to 30 mL/min	4
R8 Pump Head	F117608	up to 30 mL/min	8
R2/HF Pump Head (High Flow)	F117830	up to 220 mL/min	2
R4/HF Pump Head (High Flow)	F117831	up to 220 mL/min	4

### How to select the right tubing for your MINIPULS 3 or MINIPULS Evolution

A collection of tables and charts is available at [www.gilson.com](http://www.gilson.com) to be used as a guide for selecting the appropriate tubing.

- Most suitable material according to your sample's chemical compatibility.
- Large variety of internal diameters to reach desired flow rates.
- Appropriate connectors and extension tubing.

### TUBING FOR R1, R2, R4, R8, F1 & F4 PUMP HEADS (LENGTH = APPROX 40 CM / 16IN)

Material	Internal diameter (mm)	Reference tubing (calibrated tubing)	Colour coded stops	Extension tubing (3m/118in)	Connectors	MINIPULS 3 Maximum Flow rate (mL/min)	MINIPULS Evolution Maximum Flow rate (mL/min)
PVC	0.25	F117932	●●	F117952	F117985	0,407	0,574
	0.38	F117933	●●	F117953	F117986	0,695	1,22
	0.51	F117934	●●	F117954	F117986	1,415	1,90
	0.76	F117936	●●	F117956	F117987	2,1	3,00
	1.02	F117938	○●	F117958	F1179941	4,1	6,0
	1.30	F117940	○●	F117960	F1179941	6,2	9,0
	1.52	F117942	●●	F117962	F1179941	9	14
	1.65	F117943	●●	F117963	F1179941	10	16
	2.06	F117945	●●	F117965	F1179941	16	25
	2.29	F117946	●●	F117966	F1179941	20	29
	2.79	F117948	●●	F117968	F1179951	23	39
	3.16	F117949	●●	F117969	F1179951	29	47
ISOVERSINIC®	0.5	F1817741	●●	F117740	F117986	1,8	2,9
	1.0	F1817743	●●	F117742	F1179941	4	10
	2.0	F1817745	●●	F117744	F1179941	13	24
	3.0	F117747	●●	F117746	F1179951	27	55
	4	F117749	●●	F117748	-	33	70
SILICONE	0.6	F1825111	●●	F1825131	F117987	1,5	3,2
	1.0	F1825112	○●	F1825132	F1179941	4	7
	2.0	F1825113	●●	F1825133	F1179951	15	21
	2.8	F1825114	●●	F117975	F1179951	23	31
PHARMED®	0.5	F1825101	●●	F1825121	F117986	1,4	2,5
	1.0	F1825102	○●	F1825122	F1179941	5	7
	2.0	F1825103	●●	F1825123	F1179951	15	24

### TUBING FOR R2HF, R4HF & MF2 HIGH FLOW PUMP HEADS (LENGTH = 3M / 118IN)

Material	Internal diameter (mm)	Reference tubing (calibrated tubing)	MINIPULS 3 Maximum Flow rate (mL/min)	MINIPULS Evolution Maximum Flow rate (mL/min)
PVC	2.06	F117965	24	33
	2.29	F117966	29	41
	2.79	F117968	41	66
	3.16	F117969	49	85
	4.0	F117970	75	128
	5.0	F117980	113	179
	6.0	F117981	163	218
	8.0	F117982	213	340
ISOVERSINIC®	2.0	F117744	23	30
	3.0	F117746	48	67
	4.0	F117748	86	120
	6.0	F117750	181	246
SILICONE	2.0	F1825133	25	31
	3.0	F117975	44	57
	4.0	F117976	71	105
	5.0	F117977	115	148
	6.0	F117978	150	207
	7.0	F117979	220	300
PHARMED®	2.0	F1825123	26	31
	3.2	F1825124	57	77
	6.4	F1825125	171	240

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# Purification Systems

PLC 2050 / 2250 / 2500

**Gilson's configurable purification instruments are available with a wide range of options to meet the demands of advanced separations.**

Systems are controlled via touchscreen interface, making it easy to write and edit methods and adjust parameters on the fly. Choose from fixed wavelength UV, PDA, and/or ELS detection. An integrated binary or quaternary pumping system offers smooth and linear mobile phase delivery. Fraction collector, with space for three racks, allows for longer runs without replacing test tubes.



### THREE PLC MODELS ARE AVAILABLE TO CHOOSE FROM:

#### PLC 2050:

- Flow rates up to 50 mL/min with pressure up to 300 bar
- Use for HPLC: 10 – 30 mm diameter columns
- Use for FLASH: 2.5 – 70 g cartridges

#### PLC 2250:

- Flow rates up to 250 mL/min with pressure up to 230 bar
- Use for HPLC: 10 – 50 mm diameter columns
- Use for FLASH: 10 – 600 g cartridges

#### PLC 2500:

- Flow rates up to 500 mL/min with pressure up to 110 bar
- Use for HPLC: 20 mm columns or higher
- Use for FLASH: 30 g + cartridges



### ALL THE FEATURES YOU NEED, IN A COMPACT FOOTPRINT

Because we understand that your bench space is valuable, these stand-alone systems were designed with a small footprint – but without sacrificing features or functionality.

Safe storage: Up to five Bottles of 2.5 liters in two stainless steel trays.

Dual reciprocating pump technology. 50 mL/min, 250 mL/min or 500 mL/min pump heads.

10.4" Panel PC with touch screen and new Gilson Glider Prep software.

Four-wavelength UV-Vis, or PDA (available for up to 200-840 nm)

Fits HPLC columns from 10mm to 100mm.

Built-in electronic injection valve.

Variable dynamic mixing chamber.

Built-in acquisition channel for ELS, RI, or any other detectors.

Two or four independent solvent inlets for binary or quaternary gradients.

Three rack fraction collector capacity with unlimited collection cycles



### PURIFICATION SOFTWARE

The combination of the PLC 2050 / 2250 / 2500 systems with Gilson Glider Prep software creates an advanced purification tool for all types of applications, providing outstanding performance and efficiency for process development, as well as, pure molecule purification up to tens of grams.

Software screenshot shows the chromatogram, with coloured fraction positions overlaid for easy identification.



PURIFICATION



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# Gilson pipette service

Technical expertise only the original manufacturer can deliver!



**Pipettes are precision instruments used daily in routine laboratory work and are often involved in critical laboratory applications. Like any other instrument, they need to be serviced and calibrated regularly to ensure that they perform to the highest standards.**

In line with the ISO 8655, Gilson recommends disassembling, cleaning, replacement of worn parts and checking of the calibration every 6 months or at least once a year. Gilson has a worldwide network of specialists present in more than 50 countries offering a breadth of services to address the demanding requirements of international standards, Good Laboratory Practices and internal procedures.

Ultimately, we work to provide you with flexible solutions to extend the lifetime of your pipette and assure you the highest level of continued accuracy and precision at a minimal cost.

## Gilson Service Centre makes you the priority

- No surprises, you pay for what is on the estimate.
- We propose various service offers.
- We guarantee that we use only genuine spare parts, used in all repairs.
- We guarantee that the personnel is regularly audited and the equipment checked daily.



CENTER OF EXCELLENCE



At Gilson, we can offer a range of service solutions for you

### DIAGNOSIS

- Investigation of the technical status of your pipette
- Creation of an Excel file with models and serial numbers with the technical state of each pipette
- Advice for specific maintenance and repair, including the cost
- Free of charge

### MAINTENANCE, REPAIR AND / OR CALIBRATION OF ALL BRANDS OF PIPETTES

- At our official Gilson Service Centre
- On-site at customer location
- Calibration levels and specifications requested by the user
- For Gilson single-channel pipettes, all-inclusive packages are available at an attractive price (which include spare parts)

### ACCREDITED CALIBRATIONS ACCORDING TO ISO/IEC 17025:2005

- At our Gilson Service Centre
- On-site at customer location (if possible)
- Calibrations according to ISO8655-6
- RVA-Certificates issued

### TRAINING

- Pipette optimising training on location
- Customised training on location
- Maintenance and calibration training in the Gilson Service Centre

Prices are available on request; special offers for large contracts possible. Please contact us for request forms and more detailed information.

SERVICE



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# Gilson Guide to Pipetting

Free download for essential advice on **techniques, applications and maintenance.**

Visit [www.gilson.com](http://www.gilson.com)

