












2018 PRODUCT GUIDE

LIQUID HANDLING • EXTRACTION • PURIFICATION • AUTOMATED SOLUTIONS • SERVICES



PIPETTE SELECTION GUIDE

Our guide helps you choose the right pipette for your specific application. Whether comfort, throughput or budget is your main priority, our range of pipettes and instruments guarantee the ultimate performance and reliability of your results.

| Pipette Selection Guide | | | | |
|--|----------------|---------|--|--------|
| Description | Throughput | Comfort | Features | Page |
|  PIPETMAN M | Medium to high | ✓✓✓✓✓ | Electronic Pipette, Guaranteed Performance For enhanced productivity and comfort with guaranteed performance in standard and repetitive modes. | 4, 5 |
|  PIPETMAN L | Low to medium | ✓✓✓✓✓ | Low forces, Lightweight, Lockable Volume Superior all-day comfort. Volume locking system for secure pipetting. PIPETMAN L FIXED available. | 6, 7 |
|  PIPETMAN G | Low to medium | ✓✓✓✓✓ | Extremely Low Pipetting Forces Ergonomic and easy to use with premium comfort and performance. | 8 |
|  PIPETMAN CLASSIC | Low | ✓✓ | Reliable, Accurate and Cost Effective The original, world-renowned pipetting standard. PIPETMAN Fixed volume also available. | 8 |
|  PIPETMAN M MULTI | Medium to high | ✓✓✓✓✓ | Motorised Multichannel, Ultimate Consistency Provides high throughput flexibility with simplest functionality and guaranteed performance. | 4, 5 |
|  PIPETMAN L MULTI | Medium to high | ✓✓✓✓✓ | Ergonomic, Lightweight Multichannel With lockable features for demanding pipetting routines. | 6, 7 |
|  MICROMAN E | Low | ✓✓✓✓✓ | Ergonomic Pipette for Problem Liquids Enhanced new body for the highest precision and comfort for viscous and volatile samples. | 18, 19 |
|  PLATEMASTER | High | ✓✓✓✓✓ | Manual 96 Channel Pipetting Simple and accurate, high throughput pipetting for 96- and 384-well plates. | 12 |
|  PIPETMAX | High | ✓✓✓✓✓ | Affordable Automation Easy-to-use, automated liquid handling platform for reliable sample prep. | 10, 11 |

WELCOME TO GILSON

ELECTRONIC PIPETTES

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pipetman®

M

GUARANTEED TO PERFORM WITH OUTSTANDING ACCURACY

PIPETMAN® M combines the simplicity of a mechanical pipette with the consistency of electronic liquid handling. The PIPETMAN M range has been designed for guaranteed accuracy and precision in both standard and repetitive pipetting modes for reliable sample preparation.

Pipette With Less Effort & More Comfort

Simple-to-use, motorized pipette — two button-operation. Lightweight and perfectly balanced with virtually zero pipetting forces for hours of pipetting comfort.

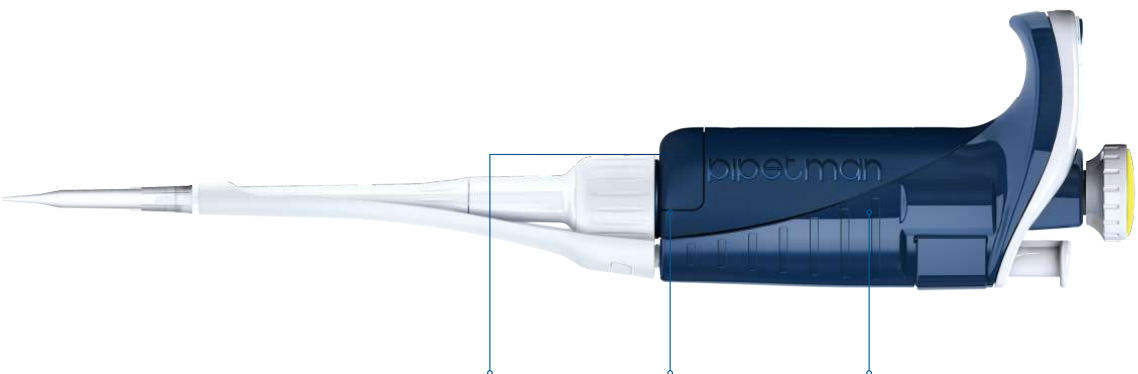
Ultimate Consistency

Reproducibility is key in research. With PIPETMAN M you can feel confident that variability among users is minimized.

Ultimate Control

With a streamlined user interface, five pipetting modes, control of your sample prep is at your fingertips. Switch into custom mode to create a new protocol. Save and transfer your protocol securely into PIPETMAN M Software for recall at a later date.

Save time and benefit from absolute consistency in volume distribution across each channel with PIPETMAN M multichannel electronic pipettes.



PIPETMAN M SINGLE CHANNEL — VARIABLE VOLUME MODELS

| Model | PIPETMAN DIAMOND tips | Part Number | Gilson Specifications | | | | REPETITIVE mode volume |
|-------------------------|--------------------------|----------------|-----------------------|----------------|-------------------------|-----------|---------------------------|
| | | | Standard pipet mode | | Random | | |
| | | | Volume Range | Volume (µL) | Systematic error(µL) | error(µL) | |
| PI0M | DI0 | F81022 | 0.5 - 10 µL | 0.5 | ± 0.040 | ≤ 0.013 | 0.5 - 10 µL |
| | DF10 | | | 1 | ± 0.025 | ≤ 0.012 | |
| P20M | D200 | F81023 | 2 - 20 µL | 5 | ± 0.060 | ≤ 0.020 | 2 - 20 µL |
| | DF30 | | | 10 | ± 0.080 | ≤ 0.025 | |
| PI00M | D200 | F81013 | 5 - 100 µL | 2 | ± 0.075 | ≤ 0.025 | 5 - 100 µL |
| | DI00 | | | 10 | ± 0.100 | ≤ 0.035 | |
| P200M | D200 | F81024 | 20 - 200 µL | 20 | ± 0.150 | ≤ 0.050 | 5 - 200 µL |
| | D300 | | | 100 | ± 0.80 | ≤ 0.22 | |
| P300M | D200 | F81014 | 20 - 300 µL | 200 | ± 1.00 | ≤ 0.26 | 10 - 300 µL |
| | D300 | | | 100 | ± 0.80 | ≤ 0.22 | |
| PI200M | DI000 | F81015 | 100 - 1200 µL | 20 | ± 0.80 | ≤ 0.16 | 20 - 1200 µL |
| | DF1000 | | | 30 | ± 0.70 | ≤ 0.20 | |
| P5000M | D5000 | F81016 | 500 - 5000 µL | 150 | ± 0.90 | ≤ 0.23 | 100 - 5000 µL |
| | DF1000 | | | 300 | ± 1.05 | ≤ 0.30 | |
| PI0nLM | DI0nML | F81017 | 1 - 10 mL | 100 | ± 2.5 | ≤ 0.4 | 20 - 1200 µL |
| | DF1000 | | | 600 | ± 3.6 | ≤ 0.8 | |
| P5000M | D5000 | F81016 | 500 - 5000 µL | 1200 | ± 6.0 | ≤ 1.2 | 100 - 5000 µL |
| | DF1000 | | | 2500 | ± 15 | ≤ 4 | |
| PI0nLM | DI0nML | F81017 | 1 - 10 mL | 5000 | ± 25 | ≤ 7 | 200 µL - 10 mL |
| | DF1000 | | | 1 mL | ± 5 | ≤ 8 | |
| PIPETMAN M MULTICHANNEL | | | | | | | |
| PBX10M | DI0 | F81025 | 0.5 - 10 µL | 10 mL | ± 50 | ≤ 12 | 0.5 - 10 µL |
| | DF10 | | | 0.5 | ± 0.05 | ≤ 0.02 | |
| PI2x10M | DL10 | F81026 | 1 - 20 µL | 1 | ± 0.04 | ≤ 0.04 | 1 - 20 µL |
| | DF10 | | | 5 | ± 0.08 | ≤ 0.02 | |
| PBX20M | DL10 | F81027 | 1 - 20 µL | 10 | ± 0.10 | ≤ 0.06 | 1 - 20 µL |
| | DF10 | | | 2 | ± 0.08 | ≤ 0.05 | |
| PI2x20M | D200 | F81028 | 1 - 20 µL | 10 | ± 0.09 | ≤ 0.06 | 1 - 20 µL |
| | DF30 | | | 20 | ± 0.15 | ≤ 0.10 | |
| PBX100M | D200 | F81018 | 10 - 100 µL | 20 | ± 0.25 | ≤ 0.12 | 5 - 100 µL |
| | DF100 | | | 10 | ± 0.25 | ≤ 0.14 | |
| PI2x100M | D200 | F81019 | 10 - 100 µL | 50 | ± 0.50 | ≤ 0.20 | 5 - 100 µL |
| | DF100 | | | 100 | ± 0.80 | ≤ 0.25 | |
| PBX200M | D200 | F81029 | 20 - 200 µL | 100 | ± 0.50 | ≤ 0.16 | 5 - 200 µL |
| | DF200 | | | 20 | ± 1.00 | ≤ 0.30 | |
| PI2x200M | D300 | F81030 | 20 - 200 µL | 200 | ± 2.00 | ≤ 0.50 | 5 - 200 µL |
| | DF300 | | | 10 | ± 1.00 | ≤ 0.18 | |
| PBX300M | D200 | F81031 | 10 - 300 µL | 30 | ± 1.00 | ≤ 0.18 | 10 - 300 µL |
| | DF300 | | | 150 | ± 1.50 | ≤ 0.25 | |
| PI2x300M | D300 | F81032 | 10 - 300 µL | 300 | ± 2.40 | ≤ 0.45 | 10 - 300 µL |
| | DF300 | | | 10 | ± 1.00 | ≤ 0.18 | |
| PBX1200M | D1200 | F81020 | 50 - 1200 µL | 50 | ± 4.0 | ≤ 0.7 | 50 - 1200 µL |
| | DF1200 | | | 120 | ± 4.0 | ≤ 0.7 | |
| PI2x1200M | D1200 | F81021 | 50 - 1200 µL | 600 | ± 6.0 | ≤ 1.5 | 50 - 1200 µL |
| | DF1200 | | | 1200 | ± 9.6 | ≤ 1.8 | |

Gilson maximum permissible errors are guaranteed only when PIPETMAN pipettes are used with the recommended PIPETMAN DIAMOND Tips. Visit www.gilson.com/guaranteed-performance.

Under these conditions, Gilson volumetric specifications in standard pipetting (PIPE T mode) are guaranteed with a performance exceeding ISO 8655-2 requirements (10% repeatability and 1% accuracy) for repetitive pipetting (mode) and with a performance exceeding ISO 8655-2 requirements (10% repeatability and 1% accuracy) for single pipetting (REPETITIVE mode). Gilson volumetric specifications for multichannel pipetting (REPETITIVE mode) are guaranteed within ISO 8655-2 recommendations for standard pipetting (Cf. ISO 8655-2 table 1).

EMPOWER YOUR PIPETMAN M

| Accessories | Part Number |
|---------------------------|----------------|
| PIPETMAN M Power Carousel | F81001 |
| PIPETMAN M Stand Adaptor | F807023 |

For our full range of pipette accessories, see page 13.





pipetman[®] L

INCREASE PRODUCTIVITY WITHOUT SACRIFICING COMFORT

PIPETMAN[®] L is the latest innovation from Gilson and is based on ergonomics, comfort and traceability research. This mechanical pipette combines the legendary robustness of the PIPETMAN Classic, a newly designed body and state of the art mechanism.

All Day Pipetting Comfort

Balance is key to a comfortable pipette. PIPETMAN L has the ideal weight, handle shape and tip ejection to maximize just that.

Secure Pipetting

PIPETMAN L features a true volume-locking mechanism to guarantee no accidental volume change during pipetting cycles, which could alter accuracy and precision.















Every aspect of the PIPETMAN L has been designed with your hand in mind to help increase daily productivity and pipette longer without fatiguing your hand.

PIPETMAN L multichannel models offer optimized performance across channels for a uniform sample delivery.



PIPETMAN L is also available as a **fixed volume** pipette.



| | | | | | | | | |
|---|----------|----------------|------------------|----------------------|-----------------------|--------------------------------------|----------------------------------|----------------------------------|
|  | P2L | D10 DL10 | DF10 DFL10 | FA10001M FA10001P | 0.2 0.5 1 2 | ±0.024 ±0.025 ±0.027 ±0.030 | ±0.08 ±0.08 ±0.08 ±0.08 | ±0.04 ±0.04 ±0.04 ±0.04 |
|  | P10L* | D10 DL10 | DF10 DFL10 | FA10002M FA10002P | 1 5 10 | ±0.025 ±0.075 ±0.100 | ±0.12 ±0.030 ±0.040 | ±0.08 ±0.12 ±0.08 |
|  | P20L | D200 | DF30 | FA10003M FA10003P | 2 10 20 | ±0.10 ±0.10 ±0.20 | ±0.030 ±0.050 ±0.060 | ±0.2 ±0.2 ±0.1 |
|  | P100L | D200 | DF100 | FA10004M FA10004P | 10 50 100 | ±0.35 ±0.40 ±0.80 | ±0.08 ±0.12 ±0.15 | ±0.8 ±0.8 ±0.8 |
|  | P200L | D200 D300 | DF200 DF300 | FA10005M FA10005P | 20 100 200 | ±0.50 ±0.80 ±1.60 | ±0.20 ±0.25 ±0.30 | ±0.6 ±0.6 ±0.6 |
|  | P1000L | D1000 D1200 | DF1000 DF1200 | FA10006M FA10006P | 100 500 1000 | ±3.0 ±4.0 ±8.0 | ±0.6 ±1.0 ±1.5 | ±8.0 ±8.0 ±8.0 |
|  | P5000L | D5000 | | FA10007** | 500 2500 5000 | ±12 ±15 ±30 | ±3 ±5 ±8 | ±15.0 ±15.0 ±15.0 |
|  | P10mL | D10mL | | FA10008** | 1000 5000 10000 | ±30 ±40 ±60 | ±6 ±10 ±16 | ±60 ±60 ±60 |
| PIPETMAN L MULTICHANNEL | | | | | | | | |
|  | P8x10L | D10 DL10 | DF10 DFL10 | FA10013 FA10014 | 0.5 1 5 10 | ±0.08 ±0.08 ±0.20 ±0.20 | ±0.04 ±0.05 ±0.10 ±0.10 | ±0.16 ±0.16 ±0.16 ±0.16 |
|  | P8x20L | D10 DL10 | DF10 DF50 | FA10009 FA10010 | 2 10 20 | ±0.10 ±0.20 ±0.40 | ±0.08 ±0.10 ±0.15 | ±0.20 ±0.20 ±0.20 |
|  | P8x200L | D200 | DF200 | FA10011 | 20 | ±0.50 | ±0.25 | ±1.2 |
|  | P12x200L | D300 | DF300 | FA10012 | 200 | ±2.00 | ±0.50 | ±1.2 |
|  | P8x300L | D200 | DF200 | FA10015 | 20 | ±1.00 | ±0.35 | ±3.0 |
|  | P12x300L | D300 | DF300 | FA10016 | 200 300 | ±1.00 ±1.50 ±3.00 | ±0.60 ±0.80 ±1.00 | ±3.0 ±3.0 ±3.0 |

* P10L model can be used up to 0.5 µL.
** P5000L and P10mL do not have tip ejectors.
For a pipette with a plastic tip ejector, the part number ends with the letter P.
For a pipette with a stainless steel tip ejector, the part number is ends with the letter M.
Gilson maximum permissible errors are guaranteed only when PIPETMAN pipettes are used with the recommended PIPETMAN DIAMOND tips.

PIPETMAN L KITS

| Model | Part Number | PIPETMAN L Model | PIPETMAN DIAMOND tips | Accessories |
|-----------------------------|-------------|--------------------------------|-----------------------|--|
| PIPETMAN L Starter Kit | F167350 | P20L P200L P1000L | D1000 | 3 SINGLE™ pipette holders 3 plastic ejectors 1 Gilson Guide to Pipetting 1 Two-minute inspection poster |
| PIPETMAN L Micro-volume Kit | F167550 | P2L P10L | D200 | 3 SINGLE™ pipette holders 3 plastic ejectors 1 Gilson Guide to Pipetting 1 Two-minute inspection poster |
| PIPETMAN L 4-pipette Kit | F167370 | P2L P20L P200L P1000L | DL10 D200 D1000 | 4 SINGLE™ pipette holders 1 Gilson Guide to Pipetting 1 Two-minute inspection poster |



pipetman[®]

CLASSIC

THE WORLD PIPETTING STANDARD

Legendary Performance

PIPETMAN[®] Classic's accuracy and precision has become the benchmark for pipetting excellence.

Premium Robustness

Built to last, many laboratories are happily using PIPEtMAN Classic pipettes that are over ten years old.



pipetman[®]

G

PREMIUM PIPETTING COMFORT

Pipetting Comfort

Offers one of the lowest pipetting forces available on the market for hours of comfortable pipetting.

Reliable Results

Offers Gilson's legendary accuracy, precision and performance with the highest comfort.

Robust and Flexible

Available with plastic or stainless steel ejectors.

Plastic ejector recommended for working with corrosive samples.

Add the new **PIPEtMAN Comfort Handle** for an even better grip and to help reduce pipetting fatigue (page 13).



PIPETMAN CLASSIC AND PIPEtMAN G SINGLE CHANNEL

| Model | PIPETMAN DIAMOND tips* | Part Number | | Volume (μ L) | Maximum Permissible Errors | | | | |
|----------|---------------------------|---------------------------------|-------------------------|----------------------|--------------------------------|----------------------------|--------------------------------|----------------------------|-------------|
| | | | | | Gilson | | ISO 8655 | | |
| | | With stainless steel ejector | With plastic ejector | | Systematic error (μ L) | Random error (μ L) | Systematic error (μ L) | Random error (μ L) | |
| P2 | D10 | DF10 | F144801 | - | 0.2 | ± 0.024 | ± 0.012 | ± 0.008 | ± 0.004 |
| P2G | DL10 | DFL10 | F144054M | 0.5 | 2 | ± 0.025 | ± 0.008 | ± 0.008 | ± 0.004 |
| | | | F144054P | 2 | | ± 0.030 | ± 0.014 | ± 0.008 | ± 0.004 |
| P10 | D10 | DF10 | F144802 | - | 1 | ± 0.025 | ± 0.012 | ± 0.012 | ± 0.008 |
| P10G* | DL10 | DFL10 | F144055M | 5 | 10 | ± 0.075 | ± 0.030 | ± 0.012 | ± 0.008 |
| | | | F144055P | 10 | | ± 0.100 | ± 0.040 | ± 0.012 | ± 0.008 |
| P20 | D200 | DF30 | F123600 | - | 2 | ± 0.010 | ± 0.030 | ± 0.02 | ± 0.1 |
| P20G | | | F144056M | 20 | 10 | ± 0.10 | ± 0.050 | ± 0.02 | ± 0.1 |
| | | | F144056P | | | ± 0.20 | ± 0.060 | ± 0.2 | ± 0.1 |
| P100 | D200 | DF100 | F123615 | - | 10 / 20 | ± 0.35 | ± 0.10 | ± 0.8 | ± 0.3 |
| P100G | | | F144057M | 50 | 100 | ± 0.40 | ± 0.12 | ± 0.8 | ± 0.3 |
| | | | F144057P | | | ± 0.80 | ± 0.15 | ± 0.8 | ± 0.3 |
| P200 | D200 | DF200 | F123601 | - | 20 / 50 | ± 0.50 | ± 0.20 | ± 1.6 | ± 0.6 |
| P200G | D300 | DF300 | F144058M | 100 | 200 | ± 0.80 | ± 0.25 | ± 1.6 | ± 0.6 |
| | | | F144058P | | | ± 1.60 | ± 0.30 | ± 1.6 | ± 0.6 |
| P1000 | D1000 | DF1000 | F123602 | - | 100 / 200 | ± 3.0 | ± 0.6 | ± 8.0 | ± 3.0 |
| P1000G | D1200 | DF1200 | F144059M | 500 | 1000 | ± 4.0 | ± 1.0 | ± 8.0 | ± 3.0 |
| | | | F144059P | | | ± 8.0 | ± 1.5 | ± 8.0 | ± 3.0 |
| P5000 | D5000 | | F123603 | 500 / 1000 | ± 12 | ± 3 | ± 40 | ± 15.0 | |
| P5000G** | | | F144066 | 2500 | ± 15 | ± 5 | ± 40 | ± 15.0 | |
| | | | | 5000 | ± 30 | ± 8 | ± 40 | ± 15.0 | |
| P10mL | D10mL | | F161201 | 1000 | ± 30 | ≤ 6 | ± 60 | ≤ 300 | |
| P10mLG** | | | F144067 | 5000 | ± 40 | ≤ 10 | ± 60 | ≤ 300 | |
| | | | | 10000 | ± 60 | ± 16 | ± 60 | ≤ 300 | |

Gilson maximum permissible errors are guaranteed only when PIPEtMAN pipettes are used with the recommended PIPEtMAN DIAMOND Tips.

Information in blue is only for PIPEtMAN Classic. Information in green is only for PIPEtMAN G.

P100G model can be used up to 0.5 μ L.

** P5000G and P10mLG do not have tip ejectors.

PIPETMAN KITS

| Model | Part Number | PIPETMAN Models | PIPETMAN DIAMOND Tips | Accessories |
|--------------------------------------|----------------|--------------------------------|-----------------------------|--|
| PIPETMAN Classic Starter Kit | F167300 | P20 P20G P1000 | D200 D1000 | 3 SINGLE™ pipette holders 1 Gilson Guide to Pipetting |
| PIPETMAN Classic Micro-volume Kit | F167500 | P2 P10 P100 | DF10 D200 | 3 SINGLE™ pipette holders 1 Gilson Guide to Pipetting |
| PIPETMAN Classic Large-Volume Kit | F167400 | P5000 P10mL | - | 2 x 10 Protection Filters |
| PIPETMAN Classic 4-pipette Kit | F167380 | P2 P20 P200 P1000 | DL10 D200 D1000 | 4 SINGLE™ pipette holders 4 PIPEtMAN Comfort Handles 1 Gilson Guide to Pipetting 1 two-minute inspection poster |
| PIPETMAN G Starter Kit | F167900 | P20G P200G P1000G | D200 D1000 | 3 plastic ejectors 3 PIPEtMAN Comfort Handles 1 Gilson Guide to Pipetting 1 two-minute inspection poster |
| PIPETMAN G Micro-volume Kit | F167800 | P2G P10G P100G | DL10 D200 | 3 SINGLE™ pipette holders 3 plastic ejectors 1 Gilson Guide to Pipetting 1 two-minute inspection poster |
| PIPETMAN G 4-pipette Kit | F167360 | P2G P20G P200G P1000G | DL10 D200 D1000 | 4 SINGLE™ pipette holders 1 Gilson Guide to Pipetting 1 two-minute inspection poster |

For any information about **PIPEtMAN Neo**,
please contact your Gilson representative.



pipetmax[®]

MAXIMISE REPRODUCIBILITY OF YOUR BIOLOGICAL SAMPLE PREP

PIPETMAX

Increase reproducibility and the pace of your experiments with this easy-to-use, **affordable**, automated liquid handling platform.



Upgrade To Automation For Reliable, Accurate Pipetting

Protect your important samples from procedural errors and maximise accuracy and precision with fully automated pipetting protocols and PIPETMAN technology.

Free Yourself From Tedious Sample Prep Work

Let PIPETMAX prepare samples for you! Enjoy more freedom away from the bench and focus on what's important — your next discovery.

Stay Flexible - For Now And For The Future

Use any reagent, any kit and adapt your pipetting protocols to meet the unique needs of your research.

PIPETMAN Inside

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

Exchangeable Heads, Removable Tray

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

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.

APPLICATION VERSATILITY

PIPETMAX stops you from being tied down by routine pipetting tasks and can run a multitude of different applications and protocols.

- qPCR
- ELISA
- Cells Based Assays
- Protein Assays
- Enzymatic Reactions
- PCR
- Kinase Assays
- NGS Library Preparation
- Custom LH

Download App Notes at www.gilson.com/pipetmax



| PIPETMAX | |
|-----------------------------|---|
| Pipette Head Options | 8 channel 1 µL - 20 µL, 8 channel 20 µL - 200 µL, Single channel 1000 µL |
| Pipette 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°C - 40°C |

- Agencourt[®] AMPure[®] XP PCR kits
- Illumina Nextera[®] XT System DNA Library Preps for MiSeq[®]
- Promega GoTaq[®] Amplification Probel Step RT-qPCR
- Promega GoTaq[®] PCR Core System



platemaster®

FAST MANUAL MICROPLATE PIPETTING



Save Time And Increase Your Productivity

With minimal setup you can fill 96- or 384- well plates in less than one minute by reducing the number of manipulations for filling a microplate.

Simplifies Sample Prep

PLATEMASTER® requires no programming, no power and minimal training, so you can start pipetting right away.

Convenient For Any Microplate Application

From plate transfers to supernatant, achieve accuracy and precision on the bench or under the hood.

PLATEMASTER is an amazingly easy-to-use, accurate solution for high throughput pipetting of 96- and 384-well microplates.

| PLATEMASTER | |
|---------------------------|--|
| Description | Part Number |
| PLATEMASTER P20 (F10761) | 0.5 µL - 20 µL Adjustable in 0.1 µL increments |
| PLATEMASTER P220 (F10762) | 2 µL - 220 µL Adjustable in 1 µL increments |
| Dimensions | 300 mm x 450 mm x 400 mm (W x L x H) |
| Weight | 16 kg |
| PLATEMASTER ACCESSORIES | |
| Description | Part Number |
| F1077602 | 384-well adapter, positioned done by wheel. |
| F1077603 | 384-well adapter, positioned done by hand. |
| F1077604 | Aliu-heater block for PLATEMASTER®, 96 x 0.2 mL, for PCR tubes, stripes & PCR plates Ø 78 mm |
| F1077605 | Pipetting head height adjusters (2 units) |
| F1077606 | Lubrication box of O-rings PLATEMASTER® |

CARROUSEL™ Pipette Stand

- Protects pipettes from shocks and contamination.
- Holds up to seven Gilson pipettes for space saving.



Power CARROUSEL™

- PIPETMAN M charging stand.
- Charge up to 5 at once in one hour.
- Keeps your PIPETMAN M always operational.



Single™ Pipette Holder

- Holds your single or multichannel PIPETMAN.
- Sticks to any smooth, dry surface.
- Prevents liquid from running inside shaft.



Trio™ Pipette Stand

- Safely stores and protects three PIPETMAN.
- Helps organise your workbench.



Universal Multichannel Stand

- Holds any brand of 8 or 12 channel pipette securely.
- Compact design for space savings.



Gilson Reagent Reservoirs

- Disposable, ideal for dispensing reagent with multichannel pipettes.
- 25 mL and 50 mL available.



PIPETTE ACCESSORIES

PIPETMAN COMFORT HANDLE

- Clips on to PIPETMAN Classic, Neo and G models.
- Reduces the force needed to grip the pipette for maximum comfort.



Coloris™ Identification Clips

- Identify or personalise your PIPETMAN.
- Write your name or application to avoid mix-ups and then snap into place.



JIMMY™ Microtube Opener

- Clips on to pipette.
- Increases pipetting efficiency.
- Lessens the fatigue associated with manual tube opening.



| PIPETMAN ACCESSORIES | |
|----------------------------------|-------------|
| Description | Part Number |
| Carrousel, stand for 7 pipettes | F161401 |
| Power Carrousel | FB1001 |
| Single pipette holder | F161406 |
| Trio, stand for 3 pipettes | F161405 |
| Universal Multichannel Stand | F161417 |
| Reagent Reservoir 25 mL, 100 | F267660 |
| Reagent Reservoir 50 mL, 100 | F267670 |
| COMFORT HANDLE pack of 3, blue | F161486 |
| COMFORT HANDLE pack of 50, blue | F161485 |
| COMFORT HANDLE pack of 3, white | F161488 |
| COMFORT HANDLE pack of 50, white | F161487 |
| COMFORT HANDLE stickers, 120 | F161499 |
| 10 Coloris clips, mixed colours | F161301 |
| 10 Coloris clips, red | F161302 |
| 10 Coloris clips, yellow | F161303 |
| 10 Coloris clips, green | F161304 |
| 10 Coloris clips, blue | F161305 |
| 10 Coloris clips, white | F161306 |
| The JIMMY Microtube Opener | F144983 |



pipetman®

DIAMOND TIPS

HIGHEST QUALITY TIPS FOR SUPERIOR RESULTS

Guarantee Your PIPETMAN Results

PIPETMAN DIAMOND® Tips are designed to fit your PIPETMAN perfectly. Only by using PIPETMAN DIAMOND Tips in conjunction with your Gilson pipette can you guarantee the maximum accuracy and precision.

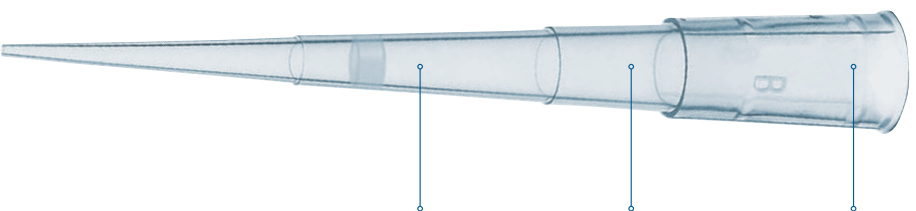
Affordable And Versatile For Every Application

Your needs, budget and tip consumption vary according to your specific research activity. With our extensive range of packaging, every lab can afford the highest quality PIPETMAN Tips for every application.

Contamination-Free

Our tips are made of the highest grade material within a fully traceable, clean room environment, ensuring they offer low retention and are free of contaminants that can alter your experiments. From mould to bench, they are guaranteed, certified and traceable to meet the most stringent demands in many applications.

Also available are **PIPETMAN Filter Tips** offering total protection against aerosol contamination and **Sterilised PIPETMAN Tips**, which are gamma irradiated and certified free of DNA, RNA, RNases, DNases, ATP proteases and trace metals.



WIDE RANGE OF TIP PACKAGING

BLISTER REFILL

- 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.
- Uses 45% less plastic than regular rack box.
- Fully autoclavable.
- Available as sterilised and filter tips.



RELOAD PACK

- Quickest way to reload empty box.
- Uses 70% less plastic, recyclable packaging is eco-friendly.
- Easy to store, takes up less bench space.
- Affordable and convenient.
- Fully autoclavable.



TIPACK RACKED TIPS

- New design is more compact, convenient, ergonomic and eco-friendly.
- Patented ROCKY RACK system and hinged 180° angled lid makes it extremely easy to fit tips on multichannel pipettes.
- Fully autoclavable, available as sterilised and filter tips.



TOWERPACK

- A quick, easy and affordable rack refill system.
- Uses 60% less space on your bench and 70% less plastic than regular rack box.
- Whole range of TOWERPACK fits the amazingly easy-to-use universal reload box.
- One-hand system operation.
- Fully autoclavable, available as sterilised.



EASYPACK & ECOPACK

- Purchase in bulk and save money by simply reloading these tips into empty racks.
- Bags are sealed with rapid-sealing strip for easy access and to prevent contamination.
- Minimal waste.
- Fully autoclavable.
- EASYPACK: 5 bags x 200 tips.
- ECOPACK: 10 bags x 1000 tips.



STERILPACK

- 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.



| STANDARD PIPETMAN DIAMOND TIPS | | | | | | | |
|--------------------------------|--------------------------------|---------------|-----------|--------------|---------|-------------|------|
| Description | Volume Range | Tip Length | Qty/ Pack | Autoclavable | | Sterilised | |
| | | | | Part Number | Tips | Part Number | Tips |
| RELOAD | DL10 RELOAD PACK | 01 - 20 µL | 45 mm | 960 | F167012 | - | |
| | D200 RELOAD PACK | 2 - 200 µL | 51 mm | 960 | F167013 | - | |
| BLISTER | D1000 RELOAD PACK | 100 - 1000 µL | 66 mm | 576 | F167014 | - | |
| | DL10 BLISTER REFILL | 01 - 20 µL | 45 mm | 960 | F172200 | F172201 | |
| TIPACK | D200 BLISTER REFILL | 2 - 200 µL | 51 mm | 960 | F172300 | F172301 | |
| | D300 BLISTER REFILL | 10 - 300 µL | 51 mm | 960 | F172400 | F172401 | |
| TIPACK | D1000 BLISTER REFILL | 100 - 1000 µL | 66mm | 960 | F172500 | F172501 | |
| | D10 TIPACK | 01 - 10 µL | 30 mm | 960 | F171100 | F171101 | |
| TIPACK | DL10 TIPACK | 01 - 20 µL | 45 mm | 960 | F171200 | F171201 | |
| | D200 TIPACK | 2 - 200 µL | 51 mm | 960 | F171300 | F171301 | |
| TIPACK | D300 TIPACK | 10 - 300 µL | 51 mm | 960 | F171400 | F171401 | |
| | D1000 TIPACK | 100 - 1000 µL | 66 mm | 960 | F171500 | F171501 | |
| TIPACK | D1200 TIPACK | 100 - 1200 µL | 84 mm | 960 | F171600 | F171601 | |
| | D5000 TIPACK | 0.5 - 5 mL | 10.4 cm | 600 | F161370 | - | |
| TIPACK | D10mL TIPACK | 1 - 10 mL | 16 cm | 240 | F161230 | - | |
| | D10 TOWERPACK | 01 - 10 µL | 30 mm | 960 | F161701 | F1617201 | |
| TOWERPACK | DL10 TOWERPACK | 01 - 20 µL | 45 mm | 960 | F161702 | F1617202 | |
| | D200 TOWERPACK | 2 - 200 µL | 51 mm | 960 | F161703 | F1617203 | |
| TOWERPACK | D300 TOWERPACK | 10 - 300 µL | 51 mm | 960 | F161705 | F1617205 | |
| | D1000 TOWERPACK | 100 - 1000 µL | 66 mm | 672 | F161704 | F1617204 | |
| ECOPACK | D10 ECOPACK | 01 - 10 µL | 30 mm | 10,000 | F161630 | - | |
| | DL10 ECOPACK | 01 - 20 µL | 45 mm | 10,000 | F161450 | - | |
| ECOPACK | D200 ECOPACK | 2 - 200 µL | 51 mm | 10,000 | F161930 | - | |
| | D300 ECOPACK | 10 - 300 µL | 51 mm | 10,000 | F161730 | - | |
| ECOPACK | D1000 ECOPACK | 100 - 1000 µL | 66 mm | 10,000 | F161670 | - | |
| | D1200 ECOPACK | 100 - 1200 µL | 84 mm | 10,000 | F161110 | - | |
| EASYPACK | D10 EASYPACK (5 bags of 200) | 01 - 10 µL | 30 mm | 1000 | F161631 | - | |
| | DL10 EASYPACK (5 bags of 200) | 01 - 20 µL | 45 mm | 1000 | F161451 | - | |
| EASYPACK | D200 EASYPACK (5 bags of 200) | 2 - 200 µL | 51 mm | 1000 | F161931 | - | |
| | D300 EASYPACK (5 bags of 200) | 10 - 300 µL | 51 mm | 1000 | F161731 | - | |
| EASYPACK | D1000 EASYPACK (5 bags of 200) | 100 - 1000 µL | 66 mm | 1000 | F161671 | - | |
| | D1200 EASYPACK (5 bags of 200) | 100 - 1200 µL | 84 mm | 1000 | F161111 | - | |
| EASYPACK | D5000 EASYPACK (3 bags of 334) | 0.5 - 5 mL | 10.4 cm | 1002 | F161571 | - | |
| | D10mL EASYPACK (1 box of 200) | 1 - 10 mL | 16 cm | 200 | F161210 | - | |
| STERIL | D200ST STERILPACK | 2 - 200 µL | 51 mm | 400 | - | F161330 | |
| | D1000ST STERILPACK | 100 - 1000 µL | 66 mm | 400 | - | F161340 | |

| PIPETMAN DIAMOND FILTER TIPS | | | | |
|------------------------------|---------------|------------|-----------|-----------------------------|
| Description | Volume Range | Tip Length | Qty/ Pack | Sterilised Tips Part Number |
| DF100ST BLISTER REFILL | 01 - 10 µL | 45 mm | 960 | F172203 |
| DF300ST BLISTER REFILL | 2 - 30 µL | 51 mm | 960 | F172303 |
| DF1000ST BLISTER REFILL | 10 - 100 µL | 51 mm | 960 | F172403 |
| DF2000ST BLISTER REFILL | 20 - 200 µL | 51 mm | 960 | F172503 |
| DF3000ST BLISTER REFILL | 10 - 300 µL | 51 mm | 960 | F172703 |
| DF10000ST BLISTER REFILL | 100 - 1000 µL | 66 mm | 960 | F172603 |
| DF100ST Filter TIPACK | 01 - 10 µL | 30 mm | 960 | F171103 |
| DF300ST Filter TIPACK | 2 - 30 µL | 51 mm | 960 | F171303 |
| DF1000ST Filter TIPACK | 10 - 100 µL | 51 mm | 960 | F171403 |
| DF2000ST Filter TIPACK | 20 - 200 µL | 51 mm | 960 | F171503 |
| DF3000ST Filter TIPACK | 10 - 300 µL | 51 mm | 960 | F171603 |
| DF10000ST Filter TIPACK | 100 - 1000 µL | 66 mm | 960 | F171703 |
| DF12000ST Filter TIPACK | 100 - 1200 µL | 84 mm | 960 | F171803 |



| EMPTY RELOAD RACKS / BOXES | | |
|----------------------------------|-----|-------------|
| Description | Qty | Part Number |
| Universal Reload Box (1 rack) | 1 | F167100 |
| DL10/D200 Empty Box (for RELOAD) | 2 | F171204 |
| D1000 Empty Box (for RELOAD) | 2 | F171504 |
| D10 Empty Racks (set of 2) | 2 | F171102 |
| DL10 Empty Racks (set of 2) | 2 | F171202 |
| D200 Empty Racks (set of 2) | 2 | F171302 |
| D300 Empty Racks (set of 2) | 2 | F171402 |
| D1000/D1200 Empty Racks | 2 | F171502 |
| D1000 Empty Rack (1 rack) | 1 | F161360 |
| D10mL Empty Rack (1 rack) | 1 | F161220 |



- Universal Reload box for use with TOWERPACKS.
 - Empty box for use with RELOAD PACK and BLISTER PACK.
- Empty Rack for use with ECOPACK and EASY PACK (loose tips).

| BLISTER PACK FOR PIPETMAX - CERTIFIED 384-Well | | | | | |
|--|---------------|------------|-----------|--------------------------|-----------------------------|
| Description | Volume Range | Tip Length | Qty/ Pack | Autoclavable Part Number | Sterilised Tips Part Number |
| DSL10 BLISTER REFILL 384-Certified | 01 - 20 µL | 45 mm | 960 | F172210 | F172211 |
| DS200 BLISTER REFILL 384-Certified | 2 - 200 µL | 51 mm | 960 | F172310 | F172311 |
| DS1000 BLISTER REFILL 384-Certified | 100 - 1000 µL | 66 mm | 960 | F172510 | F172511 |
| DSFL10ST BLISTER REFILL 384-Certified | 01 - 10 µL | 45 mm | 960 | - | F172213 |
| DSF300ST BLISTER REFILL 384-Certified | 2 - 30 µL | 51 mm | 960 | - | F172313 |
| DSF1000ST BLISTER REFILL 384-Certified | 20 - 200 µL | 51 mm | 960 | - | F172513 |
| DSF10000ST BLISTER REFILL 384-Certified | 100 - 1000 µL | 66 mm | 960 | - | F172613 |



microman[®] E

ERGONOMIC PIPETTING FOR PROBLEM LIQUIDS

Contamination-Free Pipetting

Minimize the potential for pipette, sample and human contamination with MICROMAN[®] E. Dispose of the capillary piston (CP) tip safely with a click of the push button.

Reliable Results Even With Problem Liquids

Whether a viscous, volatile, hot or cold sample, MICROMAN E can handle the job with accuracy and precision.

Have complete confidence in your results with the new volume-locking button which eliminates accidental volume modification.



Protect Your Pipettes

Positive-displacement technology makes it the ideal pipette for volatile liquids that can contaminate and corrode your pistons.

MICROMAN E positive-displacement pipettes, along with capillary pistons, offer the highest precision when pipetting problem samples - ergonomically. Working like a syringe, Capillary Pistons eliminate the air cushion between the sample and disposable piston. Therefore the accuracy of the pipettes is not affected by the physical properties of the sample.

Download MICROMAN E White Paper at www.gilson.com



| | | MICROMAN E | | Maximum Permissible Errors | | | |
|--------|-------------|------------------|-------------|----------------------------|----------------------------|-------------------------|-------------------------|
| | | | | Gilson | | ISO 8655 | |
| Model | Part Number | Capillary Piston | Volume (µL) | Systematic error (µL) | Random error (µL) | Systematic error (µL) | Random error (µL) |
| MIDE | FD10001 | CP10 | 1 | ± 0.09 ± 0.10 ± 0.15 | ± 0.03 ± 0.03 ± 0.06 | ± 0.2 ± 0.2 ± 0.2 | ± 0.1 ± 0.1 ± 0.1 |
| M25E | FD10002 | CP25 | 3 | ± 0.25 ± 0.27 ± 0.30 | ± 0.08 ± 0.08 ± 0.10 | ± 0.7 ± 0.7 ± 0.7 | ± 0.3 ± 0.3 ± 0.3 |
| M50E | FD10003 | CP50 | 20 | ± 0.34 ± 0.70 | ± 0.20 ± 0.30 | ± 0.7 ± 0.7 | ± 0.3 ± 0.3 |
| M100E | FD10004 | CP100 | 10 | ± 0.50 ± 0.75 ± 1.00 | ± 0.20 ± 0.30 ± 0.40 | ± 1.5 ± 1.5 ± 1.5 | ± 0.6 ± 0.6 ± 0.6 |
| M250E | FD10005 | CP250 | 50 | ± 1.50 ± 1.70 ± 2.50 | ± 0.30 ± 0.30 ± 0.50 | ± 6 ± 6 ± 6 | ± 2.0 ± 2.0 ± 2.0 |
| M1000E | FD10006 | CP1000 | 100 | ± 3.0 ± 5.0 ± 8.0 | ± 1.6 ± 2.5 ± 4.0 | ± 12 ± 12 ± 12 | ± 4.0 ± 4.0 ± 4.0 |

CAPILLARY PISTONS

100% Protection Against Contamination.

The disposable piston is located inside the capillary tip so users can be assured that no harmful samples will contaminate the pipette.

- Dye-free – no risk of chemical contamination.
- Slender profile – fits most tubes.



| CAPILLARY PISTONS | | | |
|------------------------------|----------------|-------------|---------|
| Capillary Piston | MICROMAN Model | Part Number | Qty/Box |
| CP10 | MIDE | FI48412 | 192 |
| | | FI48312 | 960 |
| CP25 | M25 | FI48112 | 200 |
| | | FI48012 | 960 |
| CP50 | M50E | FI48113 | 200 |
| | | FI48013 | 960 |
| CP100 | M100E | FI48414 | 192 |
| | | FI48314 | 960 |
| CP250 | M250E | FI48114 | 200 |
| | | FI48014 | 960 |
| CP1000 | M1000E | FI48560 | 182 |
| Sterilized Capillary Pistons | | | |
| CP10ST | MIDE | FI48413 | 192 |
| | | FI48313 | 960 |
| CP25ST | M25E | FI48712 | 576 |
| CP50ST | M50E | FI48713 | 576 |
| CP100ST | M100E | FI48415 | 192 |
| | | FI48315 | 960 |
| CP250ST | M250E | FI48714 | 576 |
| CP1000ST | M1000E | FI48180 | 182 |



repetman®

THE MOTORIZED REPETITIVE DISPENSING SOLUTION!

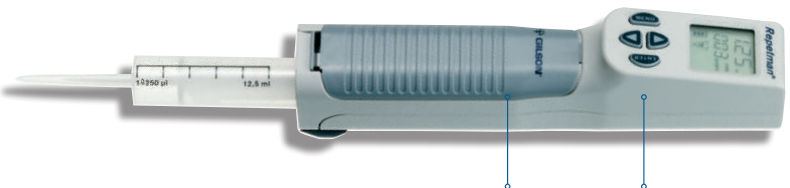
Comfortable Pipetting With No Force Required

It fits naturally in either hand and increases operator comfort.

Improves Results Reducing Operator Error

With automatic tip identification and motor-driven pipetting.

REPETMAN® is a positive-displacement pipette with a large choice of REPET-TIP consumables - standard or sterile from 0.1 mL to 50 mL, covering a wide range of dispensed volumes: from 1 µL to 50 mL.



| REPETMAN | | Part Number |
|---------------------------|---------|-------------|
| REPETMAN | | |
| REPETMAN, EU plug | F164501 | |
| REPETMAN, US plug | F164502 | |
| REPETMAN, UK plug | F164503 | |
| REPETMAN, Australian plug | F164504 | |
| NIMH battery pack | F164595 | |

| REPET-TIPS | | |
|--|-------------|----------|
| Repet-Tips | Non-Sterile | Sterile* |
| REPET-TIP (0.1 mL) | F164510 | F164515 |
| REPET-TIP (0.5 mL) | F164520 | F164525 |
| REPET-TIP (1.0 mL) | F164527 | F164528 |
| REPET-TIP (1.25 mL) | F164530 | F164535 |
| REPET-TIP (2.5 mL) | F164540 | F164545 |
| REPET-TIP (5.0 mL) | F164550 | F164555 |
| REPET-TIP (10.0 mL) | F164557 | F164558 |
| REPET-TIP (12.5 mL) | F164560 | F164565 |
| REPET-TIP (25 mL, box of 50)** | F164570 | - |
| REPET-TIP (25 mL, box of 25)** | - | F164575 |
| REPET-TIP (50 mL)** | 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

distriman®

FASTER MULTIPLE DISPENSING

Simplifies Multiple Dispensing

Dispense exact volumes without tedious calculations.

Optimal pipetting results even with volatile or viscous liquids.

Save Money

DISTRIMAN® covers a large volume range with only three DISTRITIP syringes - very economical and available in standard or sterilised form (boxes of 50).

DISTRIMAN is the only continuously adjustable mechanical repetitive pipette with direct volume readout available on the market.



| DISTRIMAN | |
|-----------------------------|-------------|
| Model | Part Number |
| DISTRIMAN (1 µL to 1.25 mL) | F164001 |

| DISTRITIPS | | | | | | | |
|--------------------------------|------------------|--------------------|---------------------------------|-------------------------------|-------------------------------|----------------------------|-------------------------|
| DistrITips (pk 50) | Aliquot Range | Part Number | Volume (µL) | Maximum Permissible Errors | | | |
| | | | | Gilson | | ISO 8655 | |
| | | | | Systematic error (µL) | Random error (µL) | Systematic error (µL) | Random error (µL) |
| 125 µL Micro Mini ST* | 1 - 125 µL | F164100 F164130 | Min. 2 Max. 10 | ± 0.100 ± 0.125 ± 0.200 | ≤ 0.080 ≤ 0.075 ≤ 0.100 | ± 0.2 ± 0.2 ± 0.2 | ≤ 0.1 ≤ 0.1 ≤ 0.1 |
| 1250 µL Mini ST* | 10 - 125 µL | F164110 F164140 | Min. 20 Max. 100 | ± 0.80 ± 1.00 ± 1.00 | ≤ 0.20 ≤ 0.40 ≤ 0.60 | ± 1.5 ± 1.5 ± 1.5 | ≤ 0.6 ≤ 0.6 ≤ 0.6 |
| 12.5 mL Maxi ST* | 0.1 - 125 mL | F164120 F164150 | Min. 200 500 Max. 1000 | ± 6.0 ± 7.5 ± 10.0 | ≤ 1.0 ≤ 1.5 ≤ 2.5 | ± 12.0 ± 12.0 ± 12.0 | ≤ 4.0 ≤ 4.0 ≤ 4.0 |

* ST means sterilised syringes (individually wrapped).





macroman™

THE EFFICIENT SOLUTION FOR
PIPETTING UP TO 100 mL AT ONCE!

Optimal Speed Control

Aspirating and dispensing speed can be set using pressure sensitive triggers or by using the thumbwheel while pipetting. The speed is adjustable up to 25 mL in less than three seconds.

The screen continuously displays battery status and the aspiration and dispensing speed setting.

Comfortable Use

Prevent hand fatigue with MACROMAN™'s ergonomic handle featuring wide triggers for maximum comfort and stress-free pipetting.

The Lithium-ion battery enables a longer, vibration-free use with reduced charging time.

Increase precision by choosing your flow rate mode from slow drops to rapid dispensing.

All stands are included with MACROMAN for stable and easy storage on the bench.

MACROMAN is a reliable pipette controller for glass and plastic pipettes from 1 mL to 100 mL.



| Description | Volume Range | Part Number |
|-------------|---------------|-------------|
| MACROMAN | 0.1 to 100 mL | F10120 |

MACROMAN ACCESSORIES

| Description | Part Number |
|---------------------------------------|-------------|
| Charging desk stand | F107200 |
| Wall mount | F107201 |
| Magnetic wall mount | F107202 |
| Filter, 0.22 µm, standard (set of 10) | F107204 |
| Filter, 0.22 µm, sterile (set of 10) | F107205 |
| Filter, 0.45 µm, standard (set of 10) | F107206 |
| Filter, 0.45 µm, sterile (set of 10) | F107207 |
| Power supply | F107203 |
| Lithium-ion battery | F107208 |
| Nosepiece | F107209 |
| Adjustable side stand | F107210 |
| Pipette adaptor | F107211 |



dispensman®

DISPENSE LIQUIDS
SIMPLY AND ACCURATELY

Precise

Dispense just the liquid needed every time with a quick, easy, and precise volume setting.

No Loss of Liquid

Prime your operation by purging the air in RECYCLE position keeping the liquid inside the bottle and avoiding any loss of liquid.

Safe

Keep your bench and other devices safe with the anti-drip system and the return of liquid into the bottle after use.

Flexible

- Numerous bottle adaptors.
- Adaptable to every type of liquid with an easy calibration by the user.
- Fully autoclavable at 121°C.
- Convenient 3-position nozzle.



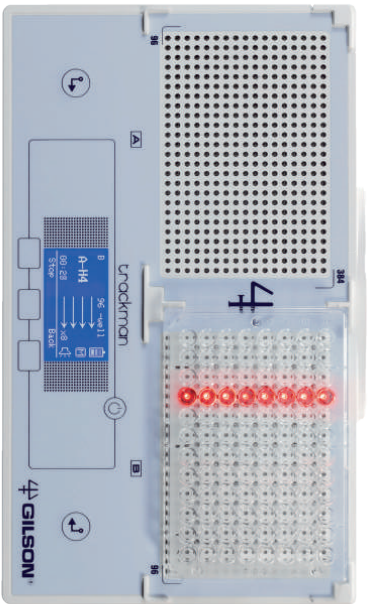
| Model | Part Number | Volume range | Scaling (mL) | Maximum permissible errors | | | |
|-------------------|-------------|---------------|--------------|----------------------------|-------------------|-----------------------|-------------------|
| | | | | Gilson | | ISO 8655-5 | |
| | | | | Systematic Error (mL) | Random Error (mL) | Systematic Error (mL) | Random Error (mL) |
| DISPENSMAN 2.5 mL | F10101 | 0.25 - 2.5 mL | 0.05 | ± 0.012 | ≤ 0.002 | ± 0.030 | ≤ 0.010 |
| DISPENSMAN 5.0 mL | F10102 | 0.5 - 5 mL | 0.10 | ± 0.030 | ≤ 0.005 | ± 0.050 | ≤ 0.010 |
| DISPENSMAN 10 mL | F10103 | 1 - 10 mL | 0.20 | ± 0.060 | ≤ 0.010 | ± 0.060 | ≤ 0.020 |
| DISPENSMAN 25 mL | F10104 | 2.5 - 25 mL | 0.50 | ± 0.150 | ≤ 0.025 | ± 0.150 | ≤ 0.050 |
| DISPENSMAN 50 mL | F10105 | 5 - 50 mL | 1.00 | ± 0.300 | ≤ 0.050 | ± 0.300 | ≤ 0.100 |

GILSON®



Trackman®

GUIDING YOU TO SUCCESS!



Get on track, keep on track, as you pipette flawlessly from one microplate to another with the help of TRACKMAN®.

| TRACKMAN | |
|----------|-------------|
| Model | Part Number |
| TRACKMAN | F70301 |

Secure Your Results

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

Complete Your Equipment With:

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).

| TRACKMAN ACCESSORIES | |
|----------------------|-------------|
| Model | Part Number |
| Microtube-holder | F70105 |
| Pedal for TRACKMAN | F70261 |

Versatile Performance

TRACKMAN'S LED lights help you place your 96- and 384- well microplates in the correct position on the light panel, while fixed notches secure your plates firmly in place.

GmCLab

QUICK AND SAFE MINI CENTRIFUGE



The GmCLab is a fixed-speed, personal mini-centrifuge that provides quick separation of particles from the supernatant in a solid-liquid mixture, or spins down liquids to the bottom of a microtube.

Multiple Tube Options

Accommodates eight micro-tubes of 1.5 mL or 2.0 mL, two strips of 8-PCR (0.2 mL) tubes, or 16 single PCR tubes.

Fast And Simple Operation

Simple spin activation by closing the lid. The lid opens up to an angle of 160° to allow easy access to the tubes.

Save Space With its Simple Design

Small footprint allows for easy integration on a busy workbench.

| GmCLab | |
|-------------------------------------|-------------|
| Model | Part Number |
| GmCLab - EU plug (230 V / 50-60 Hz) | F110731 |
| GmCLab - US plug (120 V / 50-60 Hz) | F110732 |
| GmCLab - UK plug (230 V / 50-60 Hz) | F110733 |
| GmCLab - AU plug (230 V / 50-60 Hz) | F110734 |
| GmCLab - JP plug (100 V / 50-60 Hz) | F110735 |





minipuls[®]

EVOLUTION[®]

HIGH PERFORMANCE, EASY-TO-USE PERISTALTIC PUMP

Maximise Your Applications

Offering unmatched flexibility and performance, the MINIPULS Evolution provides the flexibility to quickly expand from 1 to 16 separate channels of low pulse flow with a variety of fluids at different viscosities.



| MINIPULS EVOLUTION | |
|---|-------------|
| Description | Part Number |
| MINIPULS Evolution Speed Control Module | FT10701 |
| MF1 Pump Head | FT10705 |
| MF4 Pump Head | FT10706 |
| MF2 Pump Head | FT10707 |

minipuls[®]

3

Pulse-Free Peristaltic Pump

A rugged pump with interchangeable heads for delivering smooth, low pulse flows of liquids in 1, 2, 4, or 8 channel standard flow rate and 2 or 4 channel high flow rate configurations.

Chemical resistant pump heads, equipped with ten stainless steel rollers, produce reproducible flow rates at high pressures.



| MINIPULS 3 | | | |
|-----------------------------|-------------|------------------|---------------|
| Description | Part Number | Max Flow Rate | No./ Channels |
| Pump Module MINIPULS 3 | FT55001 | - | - |
| R1 Pump Head | FT17604 | up to 30 mL/min | 1 |
| R2 Pump Head | FT17800 | up to 30 mL/min | 2 |
| R4 Pump Head | FT17606 | up to 30 mL/min | 4 |
| R8 Pump Head | FT17608 | up to 30 mL/min | 8 |
| R2/HF Pump Head (High Flow) | FT17830 | up to 220 mL/min | 2 |
| R4/HF Pump Head (High Flow) | FT17831 | up to 220 mL/min | 4 |

minipuls[®]

TUBING

SELECTING THE RIGHT TUBING

A collection of tables and charts is available at 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 MF1 & MF4 PUMP HEADS (LENGTH = APPROX 40 CM / 16 IN) | | | | | | |
|--|------------------------|---|--------------------|--------------------------------|------------|---|
| MATERIAL | Internal diameter (mm) | Tubing Part Number (calibrated tubing) | Colour coded stops | Extension tubing (3m/118in) | Connectors | Minipuls 3 Maximum Flow rate (mL/min) |
| PVC | 0.25 | FT17932 | ● | FT17952 | FT17985 | 0.407 |
| | 0.38 | FT17933 | ● | FT17953 | FT17986 | 0.695 |
| | 0.51 | FT17934 | ● | FT17954 | FT17986 | 1.415 |
| | 0.76 | FT17936 | ● | FT17956 | FT17987 | 2.1 |
| | 1.02 | FT17938 | ○ | FT17958 | FT179941 | 4.1 |
| | 1.30 | FT17940 | ○ | FT17960 | FT179941 | 6.2 |
| | 1.52 | FT17942 | ● | FT17962 | FT179941 | 9 |
| | 1.65 | FT17943 | ● | FT17963 | FT179941 | 10 |
| | 2.06 | FT17945 | ● | FT17965 | FT179941 | 16 |
| | 2.29 | FT17946 | ● | FT17966 | FT179941 | 20 |
| | 2.79 | FT17948 | ● | FT17968 | FT179951 | 23 |
| | 3.16 | FT17949 | ○ | FT17969 | FT179951 | 29 |
| ISOVERSINIC [®] | 0.5 | FT181741 | ● | FT17740 | FT17986 | 1.8 |
| | 1.0 | FT181743 | ● | FT17742 | FT179941 | 4 |
| | 2.0 | FT181745 | ● | FT17744 | FT179941 | 13 |
| | 3.0 | FT17747 | ● | FT17746 | FT179951 | 27 |
| | 4 | FT17749 | ● | FT17748 | - | 33 |
| | 0.6 | FT182511 | ● | FT1825131 | FT17987 | 1.5 |
| | 1.0 | FT1825112 | ○ | FT1825132 | FT179941 | 4 |
| | 2.0 | FT1825113 | ● | FT1825133 | FT179951 | 15 |
| | 2.8 | FT1825114 | ● | FT17975 | FT179951 | 23 |
| | 0.5 | FT1825101 | ● | FT1825121 | FT17986 | 1.4 |
| | 1.0 | FT1825102 | ○ | FT1825122 | FT179942 | 5 |
| | 2.0 | FT1825103 | ● | FT1825123 | FT179951 | 15 |

| TUBING FOR HF2 PUMP HEAD (LENGTH = 3M / 118 IN) | | | | | |
|--|----------------------|---|---|---|--|
| MATERIAL | Internal diameter mm | Tubing Part Number (calibrated tubing) | MINIPULS 3 Maximum Flow rate (mL/min) | MINIPULS evolution Maximum Flow rate (mL/min) | |
| PVC | 2.06 | FT17965 | 24 | 33 | |
| | 2.29 | FT17966 | 29 | 41 | |
| | 2.79 | FT17968 | 41 | 66 | |
| | 3.16 | FT17969 | 49 | 85 | |
| | 4.0 | FT17970 | 75 | 128 | |
| | 5.0 | FT17980 | 113 | 179 | |
| | 6.0 | FT17981 | 163 | 218 | |
| | 8.0 | FT17982 | 213 | 340 | |
| | 2.0 | FT17744 | 23 | 30 | |
| | 3.0 | FT17746 | 48 | 67 | |
| | 6.0 | FT17750 | 181 | 246 | |
| | 2.0 | FT1825133 | 25 | 31 | |
| ISOVERSINIC [®] | 3.0 | FT17975 | 44 | 57 | |
| | 4.0 | FT17976 | 71 | 105 | |
| | 5.0 | FT17977 | 115 | 148 | |
| | 6.0 | FT17978 | 150 | 207 | |
| | 7.0 | FT17979 | 220 | 300 | |
| | 2.0 | FT1825123 | 26 | 31 | |
| | 3.2 | FT1825124 | 57 | 77 | |
| | 6.4 | FT1825125 | 171 | 240 | |
| SILICONE | 4.0 | FT17976 | 71 | 105 | |
| | 5.0 | FT17977 | 115 | 148 | |
| | 6.0 | FT17978 | 150 | 207 | |
| | 7.0 | FT17979 | 220 | 300 | |
| | 2.0 | FT1825123 | 26 | 31 | |
| | 3.2 | FT1825124 | 57 | 77 | |
| | 6.4 | FT1825125 | 171 | 240 | |
| PHARMED [®] | 2.0 | FT1825123 | 26 | 31 | |
| | 3.2 | FT1825124 | 57 | 77 | |
| | 6.4 | FT1825125 | 171 | 240 | |
| | 4.0 | FT17976 | 71 | 105 | |
| | 5.0 | FT17977 | 115 | 148 | |
| | 6.0 | FT17978 | 150 | 207 | |
| | 7.0 | FT17979 | 220 | 300 | |
| | 2.0 | FT1825123 | 26 | 31 | |
| | 3.2 | FT1825124 | 57 | 77 | |
| | 6.4 | FT1825125 | 171 | 240 | |
| | 4.0 | FT17976 | 71 | 105 | |
| | 5.0 | FT17977 | 115 | 148 | |

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extractman®

EASIER DISCOVERY OF MORE
PROTEIN INTERACTIONS



EXTRACTMAN offers a faster, gentler magnetic mixing approach to isolating target proteins and is ideal for isolating elusive, weakly-bound protein complexes critical to protein interaction research.

Preserve Your Sample

Exclusion-based Sample Preparation (ESP)* technology isolated proteins while keeping the remaining sample intact for further study.

* trademarked technology owned by Salus.

| EXTRACTMAN | |
|-----------------------------------|-------------|
| Model | Part Number |
| EXTRACTMAN Starter Kit | 22100000 |
| EXTRACTMAN Bead Capture Strip | 22100007 |
| EXTRACTMAN 15 µL Extraction Plate | 22100008 |

Ergonomic And Easy-To-Use

Slide-based extraction gently moves your sample through isolation with a simple slide of the handle.

ASPEC®

TRUSTED EXTRACTION TECHNOLOGY

SOLID PHASE EXTRACTION SYSTEMS

Get the Most From Your Analytical Systems

Solid Phase Extraction (SPE) is a highly selective cleanup technique that eliminates matrix effects and concentrates compounds present as traces to improve analytical detection by liquid and gas chromatography.

Reliable Extractions

ASPEC® SPE cartridges come in large variety of phases, silica or polymer based, and are available in 1, 3, and 6 mL cartridges and 96-well plates. With high lot-to-lot reproducibility and high loading capacity, they guarantee reproducible SPE methods with high recovery and clean extraction.

Make Your Lab Life Easier

The ASPEC Positive Pressure Manifold for solid phase extraction (SPE) provides uniform and consistent flow rate control for the cleanup of low or high viscosity samples, improving reproducibility and recovery.

Benefits for Your Science

The ASPEC Positive Pressure Manifold provides confidence in data generated:

- Easy to setup and use: Only one gas source, no training needed to operate.
- Flexible: Single unit compatible with 1, 3, and 6 mL cartridges and 96-well plates.
- Reproducible extractions: Fine and precise flow control.
- Parallel extractions: Increase daily throughput.



LEARN MORE ABOUT ASPEC SPE SOLUTIONS AT GILSON.COM

GX-241 ASPEC® SPE System



GX-271 ASPEC® SPE System



GX-324 ASPEC® SPE System





Verity®

**THE PERFECT SYSTEM
TO FIT YOUR RESEARCH**

PURIFICATION SYSTEMS

Purification System Designed for your Application

VERITY systems offer a wide array of components to meet all of your purification needs.

VERITY Systems Offer:

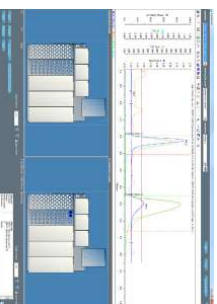
- Classic HPLC to flash to CPC, for small to large molecules
- Milligram to kilogram purifications
- Batch to continuous injection techniques
- UV/VIs, ELSD and MS detection options



VERITY® HPLC Purification System with Isocratic Pump and UV/VIs Detector

Get the Accuracy and Precision You Need for Trusted Results

- **Ease of use** — Systems controlled by intuitive software allowing you to focus on the science
- **Flexibility** — Numerous choices and options let you adapt quickly to your changing research
- **Built-to-last** — Durability backed by Gilson's long history in chromatography



TRILUTION® LC Control Software



VERITY® PLC Purification System with Centrifugal Partition Chromatography (CPC) Column and MS Detector

Popular VERITY Configurations

- **VERITY PLC Purification Systems** — Easily switch from preparative to flash chromatography with a simple column change
- **VERITY PLC Systems with CPC Column** — Ideal for natural product purification, PLC with CPC offers improved yield and zero sample loss at less cost
- **VERITY PLC-MS Systems** — Reduce the number of fractions collected and analyzed for additional time and money savings
- **VERITY Oligo Purification System** — Isolate, analyze, and desalt reagent-grade oligonucleotides in one continuous run
- **VERITY GPC Clean-up System** — Improve LC and GC column life and decrease downtime with manual or automated post-extraction clean-up



ISO 17025 & GILSON PIPETTES

Gilson Pipette with a Calibration Certificate Issued by ISO 17025 Accredited Lab

Around the world, the accreditation of pipette testing and calibration laboratories is based on the ISO 17025 international standard. ISO 17025 accreditation enables test data to be internationally validated and accepted.

This system of international mutual recognition allows test data to be equivalent throughout the world because they are linked to the same metrological chain of international standard weight.

Hence, the measure of the uncertainties derived from equipment, technicians, pipettes and tips which indicates the error range attributable to the measured quantities allows the accredited laboratory to attest to the pipette's reliability and ensures that it is within acceptable limits after calibration.

- Gilson ISO 17025-accredited laboratory in France provides the undisputable guarantee and confidence that our Quality System and Standard Operating Procedures have been thoroughly evaluated and approved by a legitimate third party.
- Gilson offers accredited calibration for new and serviced pipettes in full compliance with the ISO 17025 & ISO 8655 requirements.
- A certificate of calibration, approved by the French organization of accreditation (COFRAC), is delivered with each pipette. The certificate is recognized by international organizations of accreditation.

- In an on-going effort to address the growing demands for enhanced traceability and affordable ISO 17025 solutions, Gilson has been granted accreditation by the COFRAC for a special Gilson 3 volumes x 4 measurements method in addition to being accredited for the standardized ISO 8655 3 volumes x 10 measurements method. This enables us to offer ISO 17025 calibration at an attractive price.
- The standardized ISO 8655 method (3 volumes x 10 measurements).
- The special Gilson method (3 volumes x 4 measurements).



The calibration certificate with the uncertainty measurement is approved by the French Organization of Accreditation (COFRAC). This certificate includes the uncertainty budget defining the uncertainties for the involved measurements.



New Pipettes with a Calibration Certificate Issued by the Gilson ISO 17025 Accredited Lab

To order a new pipette with a calibration certificate, add a **C** at the end of the reference for a 3 x 10 measurements method (standard ISO 8655), or a **CG** for a 3 x 4 measurements (Gilson method, available in French service centre recognised by accreditation organization).

Example:

- You need a **P100 delivered with a 3 x 10 measurements**: Order the following reference: **F123615C**
- You need a **P2N delivered with a 3 x 4 measurements**: Order the following reference: **F144561CG**

All mechanical, repetitive and motorized pipettes can be delivered with calibration certificate.

Please contact your nearest distributor for calibration certificate request form.



Serviced Pipettes with a Calibration Certificate Issued by ISO 17025 Accredited Lab

Some Gilson service centers in the world are accredited (ISO 17025) for pipette calibration when using the gravimetric method (ISO 8655).

If your nearest service center is accredited, you can ask for a certificate of calibration including information about the conformity of your pipette. This certificate is recognized throughout the world and linked to the International System of Units.

If your local Gilson service center is not yet accredited, Gilson's Accredited Laboratory of Calibration, based in France, can provide you the following service offers:

| ISO 8655 3 X 10 MEASUREMENTS METHOD (NO TIP CHANGE) | | GILSON 3 X 4 MEASUREMENTS METHOD (NO TIP CHANGE) | |
|---|----------------------------|--|----------------------------|
| Part Number | Description | Part Number | Description |
| PCI 001 | Fixed volume Pipettes | PGCI 001 | Fixed volume Pipettes |
| PCI 002 | Adjustable volume Pipettes | PGCI 002 | Adjustable volume Pipettes |
| PCI 003 | 8 channel Pipettes | PGCI 003 | 8 channel Pipettes |
| PCI 004 | 12 channel Pipettes | PGCI 004 | 12 channel Pipettes |



Appendix

Chemical Compatibility Table

| Product | | Steel | PET | Nitril | EPDM | LCP | PA | PBT | PC | PE | PVDF | TPX | POM | PP |
|--------------------------|--------|-------|-----|--------|------|-----|-----|-----|-----|-----|------|-----|-----|-----|
| Acetamide | | ++ | N/A | ++ | ++ | N/A | ++ | N/A | N/A | ++ | N/A | N/A | ++ | ++ |
| Ethyl acetate | | ++ | + | - | ++ | ++ | ++ | ++ | ++ | ++ | ++ | + | N/A | ++ |
| Acetone | | ++ | + | - | ++ | ++ | ++ | ++ | - | ++ | ++ | + | + | ++ |
| Acetonitrile | | ++ | N/A | + | ++ | + | N/A | N/A | - | ++ | + | N/A | N/A | ++ |
| Acetic acid | 20% | ++ | ++ | + | ++ | ++ | ++ | N/A | ++ | ++ | ++ | ++ | ++ | ++ |
| | 50% | ++ | ++ | + | ++ | ++ | - | N/A | + | ++ | ++ | ++ | ++ | ++ |
| | 100% | ++ | ++ | - | ++ | + | - | N/A | - | ++ | ++ | + | + | ++ |
| Hydrochloric acid | 10% | - | ++ | ++ | ++ | ++ | - | ++ | ++ | ++ | ++ | ++ | ++ | ++ |
| | 20% | - | + | + | ++ | ++ | - | + | ++ | ++ | ++ | ++ | + | ++ |
| | 37% | - | - | - | ++ | ++ | - | - | + | ++ | ++ | ++ | - | ++ |
| Hydrofluoric acid | 20% | + | + | - | ++ | + | - | + | ++ | ++ | ++ | ++ | + | ++ |
| | 40% | - | + | - | ++ | - | - | - | + | ++ | ++ | ++ | + | ++ |
| Formic acid | 100% | ++ | N/A | - | ++ | ++ | - | + | - | ++ | ++ | N/A | + | ++ |
| Nitric acid | 10% | ++ | ++ | + | ++ | ++ | - | ++ | ++ | ++ | ++ | ++ | + | ++ |
| | 30% | ++ | + | - | + | ++ | - | + | ++ | ++ | ++ | ++ | - | + |
| | 65% | ++ | - | - | - | + | - | - | + | + | + | ++ | - | - |
| Phosphoric acid | 20% | ++ | N/A | + | ++ | N/A | - | ++ | ++ | ++ | ++ | ++ | + | ++ |
| | 85% | ++ | N/A | - | ++ | N/A | - | ++ | ++ | ++ | ++ | ++ | - | ++ |
| Propionic acid | 50% | ++ | - | + | N/A | N/A | ++ | ++ | + | ++ | ++ | N/A | - | ++ |
| | 100% | ++ | - | - | N/A | N/A | + | ++ | - | ++ | ++ | N/A | - | ++ |
| Sulfuric acid | 20% | ++ | ++ | + | + | ++ | + | ++ | ++ | ++ | ++ | ++ | + | ++ |
| | 50% | ++ | ++ | - | + | ++ | - | + | ++ | ++ | ++ | ++ | - | ++ |
| | 95% | ++ | + | - | - | - | - | - | + | + | + | ++ | - | + |
| Trifluoroacetic acid | 20% | ++ | N/A | - | N/A | N/A | + | N/A | ++ | ++ | ++ | N/A | ++ | ++ |
| | 80% | ++ | N/A | - | N/A | N/A | - | N/A | + | ++ | ++ | N/A | + | ++ |
| | 100% | ++ | N/A | - | N/A | N/A | - | N/A | - | ++ | ++ | N/A | - | ++ |
| Benzyl alcohol | | ++ | ++ | - | N/A | N/A | + | N/A | - | ++ | ++ | ++ | - | ++ |
| Aniline | | ++ | - | + | ++ | N/A | ++ | N/A | - | + | ++ | N/A | + | ++ |
| Butanol / Butyl alcohol | | ++ | ++ | ++ | ++ | N/A | ++ | ++ | ++ | ++ | ++ | N/A | ++ | ++ |
| Chloroform | | ++ | - | - | - | N/A | + | - | - | + | ++ | + | + | - |
| Cyclohexane | | ++ | ++ | ++ | - | N/A | ++ | N/A | ++ | ++ | - | + | ++ | + |
| Diacetone alcohol | | ++ | ++ | + | N/A | N/A | N/A | N/A | N/A | N/A | + | N/A | N/A | ++ |
| Methylene chloride | | ++ | + | - | - | N/A | - | - | - | + | ++ | ++ | ++ | + |
| Diethylene glycol | | ++ | N/A | ++ | ++ | ++ | N/A | N/A | N/A | ++ | ++ | ++ | ++ | ++ |
| Dimethylformamide (DMF) | | ++ | ++ | - | + | ++ | ++ | ++ | - | ++ | - | ++ | ++ | ++ |
| Dimethylsulfoxide (DMSO) | | ++ | N/A | - | N/A | N/A | + | N/A | - | ++ | N/A | N/A | N/A | N/A |
| Dioxane (1,4) | | ++ | ++ | - | + | N/A | ++ | ++ | - | ++ | + | N/A | ++ | + |
| Ethanol | | ++ | ++ | ++ | ++ | ++ | ++ | ++ | ++ | ++ | ++ | ++ | ++ | ++ |
| Ether | | ++ | ++ | ++ | + | N/A | ++ | ++ | ++ | + | ++ | + | ++ | ++ |
| Formaldehyde | | ++ | ++ | ++ | ++ | N/A | ++ | N/A | ++ | ++ | ++ | ++ | ++ | ++ |
| Hexane | | ++ | N/A | ++ | - | + | ++ | ++ | ++ | + | ++ | + | ++ | ++ |
| Hydrogen peroxide | 50% | ++ | N/A | + | ++ | N/A | ++ | ++ | ++ | ++ | ++ | ++ | ++ | ++ |
| Ammonium hydroxide | 20% | ++ | ++ | ++ | ++ | N/A | N/A | + | - | ++ | N/A | ++ | ++ | ++ |
| Sodium hydroxide | 10% | ++ | + | ++ | ++ | ++ | ++ | + | - | ++ | ++ | ++ | ++ | ++ |
| | 40% | ++ | - | + | ++ | ++ | ++ | + | - | ++ | ++ | ++ | ++ | ++ |
| Sodium hypochlorite | 15% Cl | + | N/A | + | ++ | ++ | ++ | ++ | ++ | ++ | ++ | ++ | - | + |
| Methanol | | ++ | ++ | ++ | ++ | + | ++ | ++ | + | ++ | ++ | ++ | ++ | ++ |
| Methyl ethyl ketone | | ++ | ++ | - | + | ++ | ++ | ++ | - | ++ | - | + | + | ++ |
| Pentane | | ++ | N/A | ++ | - | N/A | N/A | N/A | ++ | ++ | ++ | + | ++ | N/A |
| Tetrahydrofuran (TH-) | | ++ | ++ | + | + | + | ++ | + | - | - | + | + | N/A | + |
| Urea | | ++ | ++ | N/A | N/A | - | ++ | ++ | N/A | ++ | ++ | N/A | ++ | ++ |

PET = Polyethylene Terephthalate

Nitril = Nitril

EPDM = Ethylene Propylene

LCP = Liquid Cristal Polymer

PA = Polyamide

PBT = Polybutylene Terephthalate

PC = Polycarbonate

PE = Polyethylene

PVDF = Polyvinylidene fluoride

TPX = Polymethylpentene

POM = Polyoxymethylene

PP = Polypropylene

++ No chemical degradation

+ Medium resistance to chemical agents

- Low resistance to chemical agents

N/A No data available

dispensman™



BOTTLE-TOP DISPENSER



Dispense
Liquids Simply
and Accurately

| Precise

| Safe

| No Loss of Liquid

| Simple & Quick Operation



Accurate & Reproducible

Dispense just the liquid needed every time with a quick, easy, and precise volume setting.

Safe

Keep your bench and other devices safe with the anti-drip system and the return of liquid into the bottle after use.

No Loss of Liquid

Prime your operation by purging the air in RECYCLE position keeping the liquid inside the bottle.

Easy & Comfortable Use

Simple one hand operation and volume adjustment with the sliding volume adjuster.

Flexible

- Adaptable to every type of liquid with an easy calibration by the user.
- Numerous bottle adaptors.
- Universal chemical compatibility for many applications.
- Fully autoclavable at 121°C.



Convenient 3-position nozzle:

- DISPENSE
- RECYCLE
- EMPTY

| MODEL | PART NUMBER | VOLUME RANGE | SCALING (mL) | MAXIMUM PERMISSIBLE ERRORS | | | |
|--------------------|----------------|--------------|--------------|----------------------------|-------------------|-----------------------|-------------------|
| | | | | GILSON | | ISO 8655-5 | |
| | | | | SYSTEMATIC ERROR (mL) | RANDOM ERROR (mL) | SYSTEMATIC ERROR (mL) | RANDOM ERROR (mL) |
| DISPENSAMAN 2.5 mL | F110101 | 0.25-2.5 mL | 0.05 | ±0.012 | ≤ 0.002 | ±0.030 | ≤ 0.010 |
| DISPENSAMAN 5.0 mL | F110102 | 0.5-5 mL | 0.10 | ±0.030 | ≤ 0.005 | ±0.030 | ≤ 0.010 |
| DISPENSAMAN 10 mL | F110103 | 1-10 mL | 0.20 | ±0.060 | ≤ 0.010 | ±0.060 | ≤ 0.020 |
| DISPENSAMAN 25 mL | F110104 | 2.5-25 mL | 0.50 | ±0.150 | ≤ 0.025 | ±0.150 | ≤ 0.050 |
| DISPENSAMAN 50 mL | F110105 | 5-50 mL | 1.00 | ±0.300 | ≤ 0.050 | ±0.300 | ≤ 0.100 |

Gilson S.A.S.

19, avenue des Entrepreneurs BP 145 • F-95400
Villiers-le-Bel, France
T +33 (0) 1 34 29 50 00 • F +33 (0) 1 34 29 50 20

www.gilson.com/ContactUs

Gilson, Inc.

3000 Parmenter Street • PO Box 620027
Middleton, WI 53562-0027, USA
T 608-836-1551 or 800-445-7661 • F 608-831-4451



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macroman™



PIPETTE CONTROLLER

Precise Pipetting with
Optimized Control

- | Optimal Speed Control
- | Comfortable Use
- | Simple and Quick Operation
- | Wide Range of Flow Rates





Optimal Speed Control

Aspirating and dispensing speed can be set using pressure sensitive triggers or by using the thumbwheel while pipetting. The speed is adjustable up to 25 mL in less than three seconds.

The screen continuously displays battery status and the aspiration and dispensing speed setting.

Comfortable Use

Prevent hand fatigue with MACROMAN’s ergonomic handle featuring wide triggers for maximum comfort and stress-free pipetting.

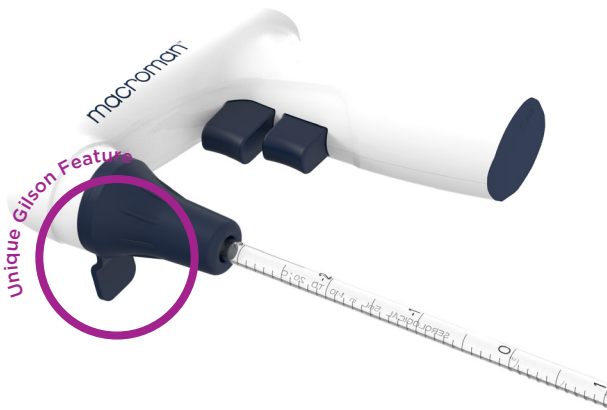
The Lithium-Ion battery enables a longer, vibration-free use with reduced charging time.

Wide Range of Flow Rates

Increase precision by choosing your flow rate mode from slow drops to rapid dispensing.

Convenient Storage

All stands are included with MACROMAN for stable and easy storage of the pipette controller on the bench. MACROMAN also features an integrated, adjustable side stand.



Technical Specifications

| | |
|-----------------|---|
| Weight | 205g |
| Battery | Lithium-ion rechargeable battery 3.7 V/ 2800 mAh |
| Autoclavability | Nosepiece and silicone pipette adaptor (121°C, 20 min, 1 mPa) |
| Filter | PTFE, standard or sterile, hydrophobic membrane filter, 0.22 µm or 0.45 µm |
| Pipette types | Glass or plastic from 1 mL to 100 mL |
| Power supply | Input voltage: 100–240 VAC, 50/60 Hz, 0.3A Output voltage: 5 VDC, 500 mA Center positive DC connector |
| Certification | CE, EMC, RoHS, WEEE |
| Contents | MACROMAN pipette controller, user’s guide, universal power supply (4 adaptors), charging desk stand, wall mount stand, extra hydrophobic sterile filter 0.22 µm |

| MODEL | VOLUME RANGE | PART NUMBER |
|----------|---------------|-------------|
| MACROMAN | 0.1 to 100 mL | F110120 |

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