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AUTOMATE YOUR LAB YOUR WAY WITH GILSON

- | Sample Handling
- | Sample Purification
- | Solid Phase Extraction
- | Service



SCAN ME TO VIEW THE FULL
PRODUCT GUIDE

SAMPLE HANDLING

PIPETMAX® RANGE

DELIVERING REPRODUCIBLE RESULTS AND HANDS-FREE EFFICIENCY



pipetmax®
268

PIPETMAX® 268 is a compact, benchtop automated pipetting platform designed for low- to medium-throughput workflows such as bioassays, qPCR plate prep, and NGS library preparation. With a small footprint and familiar, pipette-based operation, it's well suited for labs adopting automation without adding complexity. PIPETMAX 268 delivers reliable, repeatable liquid handling for core sample prep steps while fitting easily into existing laboratory spaces.



pipetmax®
278

PIPETMAX® 278 is a higher-capacity automated pipetting platform built for medium- to high-throughput applications that demand greater scalability and walkaway automation. Its expanded bed capacity supports parallel processing and more complex assay layouts, making it ideal for labs running larger batch sizes or increasingly sophisticated bioassay, qPCR, and NGS workflows. PIPETMAX 278 enables labs to increase throughput and automation depth as workflow demands grow.

PIPETMAX® APPLICATION-BASED WORKSTATIONS

CHOOSE THE RIGHT PLATFORM FOR YOUR WORKFLOW

BIOASSAYS

PIPETMAX® 268 Bioassay / PIPETMAX® 278 Bioassay

PIPETMAX® 268 Bioassay and PIPETMAX® 278 Bioassay systems provide precise, low-volume automated pipetting for bioassays such as ELISAs, dose-response curves, and IC₅₀ assays in 96- and 384-well formats. By automating workflows that are difficult to perform reproducibly by hand, they reduce variability while increasing consistency and throughput. Using standard PIPETMAN® DIAMOND Tips and built-in tip intelligence, the systems can be configured with optional temperature control modules to support automated, unattended assay preparation across a wide range of bioassay workflows.



SCAN ME

qPCR PLATE PREP

PIPETMAX® 268 qPCR / PIPETMAX® 278 qPCR

PIPETMAX® 268 qPCR and PIPETMAX® 278 qPCR configurations deliver accurate and consistent automation for qPCR reaction setup and normalization workflows. Designed to protect sensitive assays, they support UV/HEPA filtration and guided setup tools such as the qPCR Assistant and Normalization Assistant to streamline plate preparation and reduce the risk of human error. With optional thermal, shaking, and chilling modules, the systems can be configured as unattended liquid handling platforms that help safeguard assay integrity while simplifying and standardizing qPCR workflows.



SCAN ME

NGS LIBRARY PREP

PIPETMAX® 268 NGS / PIPETMAX® 278 NGS

PIPETMAX® 268 NGS and PIPETMAX® 278 NGS configurations provide automated magnetic bead-based cleanup for consistent, high-quality NGS library preparation workflows. Designed to automate AMPure® XP-based cleanup steps, they help reduce variability and hands-on time while improving reproducibility in sequencing-ready libraries. With intuitive, no-coding software and optional heater, shaker, and chiller modules, the systems can be configured as flexible, unattended solutions for a wide range of NGS preparation workflows, from low-throughput to higher-throughput applications.



SCAN ME

BIOASSAY AUTOMATION THAT ACCELERATES DISCOVERY

PRECONFIGURED BIOASSAY WORKSTATIONS

PIPETMAX® 268 and PIPETMAX® 278 automate ELISAs, dose-response curves, IC₅₀ assays, and 96-/384-well workflows to deliver consistent low-volume pipetting, reduce variability, and minimize hands-on time.

They use standard PIPETMAN® DIAMOND Tips with built-in tip intelligence to optimize usage and keep consumable costs low. Walk-away operation and flexible programming allow your team to run more plates and focus on data analysis.

Gilson scientists provide support for setup, optimization, and scaling.

KEY BENEFITS

- **Example protocols included** to help you start quickly
- **Accurate low-volume dispensing** that is difficult to achieve reproducibly manually
- **Built-in tip intelligence** optimizes tip usage to maintain speed and reduce consumable costs
- **Uses standard PIPETMAN® DIAMOND Tips**; no proprietary automation tips
- **Optional heater, shaker, and chiller modules** for improved mixing and temperature control
- **Personalized support from real Gilson scientists** for configuration, optimization, and scale-up



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THIS APPLICATION-CONFIGURED SYSTEM INCLUDES:

- PIPETMAX® 268 or PIPETMAX® 278 optimized for 96- and 384-well assays
- Low-volume pipetting configuration
- Example bioassay protocol
- qPCR and Normalization software wizard

CONFIDENCE YOU CAN QUANTIFY WITH AUTOMATION DESIGNED FOR qPCR

PRECONFIGURED QPCR WORKSTATIONS

PIPETMAX® 268 and PIPETMAX® 278 deliver the precision and consistency qPCR demands, reducing variability from manual pipetting and protecting sensitive workflows.

UV/HEPA protection safeguards assays, while guided tools like the qPCR Assistant and Normalization Assistant simplify setup and automate dilution and normalization for more reliable results.

Gilson scientists provide training, optimization, and protocol support to ensure consistent performance and confidence in your data.

KEY BENEFITS

- **UV/HEPA protection** helps reduce contamination risk and maintain a clean qPCR environment
- **Automatic built-in tip intelligence** minimizes unnecessary tip usage while maximizing speed and efficiency
- **Optional chilling module** helps preserve reagent integrity for sensitive workflows
- **Optional thermal and shaking modules** support temperature-sensitive and mixing-dependent steps
- **Flexible programming options** to fit your workflow, including:
 - Example qPCR protocol for immediate, reliable setup
 - qPCR Assistant for guided, step-by-step preparation
 - Normalization Assistant for automated dilution and normalization
 - Optional Protocol Builder for fully customized methods



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THIS APPLICATION-CONFIGURED SYSTEM INCLUDES:

- PIPETMAX® 268 or PIPETMAX® 278 configured for qPCR
- UV/HEPA filter system
- Example qPCR protocol
- qPCR and Normalization Assistants
- Optional modules for temperature-sensitive workflows
- Standard PIPETMAN® DIAMOND Tips compatibility

AUTOMATED NGS LIBRARY PREP YOU CAN TRUST

PRECONFIGURED NGS WORKSTATIONS

PIPETMAX® 268 and PIPTMAX® 278 automate magnetic bead cleanup in AMPure® XP workflows, helping you produce consistent, sequencing-ready libraries while reducing variability and hands-on time.

Example protocols and intuitive, no-coding software make setup simple and flexible. Optional heater, shaker, and chiller modules support critical steps like ligation and resuspension.

Gilson scientists provide hands-on support to help you configure, optimize, and scale your NGS workflows with confidence.

KEY BENEFITS

- Includes an AMPure® clean up method with adjustable parameters to match your SOPs
- Automatic built-in tip intelligence to optimize tip usage and reduce unnecessary consumption
- Standard PIPTMAN® DIAMOND Tips; no costly proprietary automation tips
- Intuitive, no-coding software designed for scientists of all experience levels
- Bonus software wizards for qPCR and normalization plate preparation



pipetmax®
268



pipetmax®
278

THIS APPLICATION-CONFIGURED SYSTEM INCLUDES:

- PIPTMAX® 268 or PIPTMAX® 278 configured for magnetic bead workflows
- Magnetic bead rack
- Includes an AMPure® XP cleanup method
- Optional heater/shaker/chiller support
- NGS-ready bed layout

UNIVERSAL TIPS FOR AUTOMATION

AFFORDABLE AUTOMATION WITHOUT COMPROMISE

Unlike many automated liquid handlers that require proprietary consumables, Gilson's PIPTMAX® 268 and PIPTMAX® 278 automated liquid handlers use the same trusted PIPTMAN® DIAMOND Tips scientists rely on at the bench. You can automate critical workflows, like qPCR, normalization, or ELISA, without the added cost of special automation-only tips.

By supporting standard pipette tips, PIPTMAX® simplifies inventory management, reduces consumable costs, and makes automation more accessible. And if you already use other Gilson tools—such as PIPTMAN® pipettes—working within the same brand ecosystem helps reduce compatibility headaches, from purchasing and training to user interface familiarity.

ONE TIP FOR EVERY WORKFLOW

TIP TYPES:

- Standard, Filter, Sterile, 384-certified

PIPETTE HEADS:

- MAX8x20, MAX8x200, MAX4x1200

VOLUME RANGE:

- 1-1200 µL

CERTIFIED CLEAN TIPS:

- RNase/DNase-free
- Endotoxin-free sterile options

LOWER COST FOR LOWER IMPACT:

- One tip platform for manual and automated pipetting
- Reduce consumable costs and simplify inventory management



pipetman®
DIAMOND TIPS



SCAN ME!

Learn more about
PIPTMAN DIAMOND
Tips

SAMPLE PURIFICATION

SCALING UP YOUR SYSTEMS,
FROM RESEARCH TO PRODUCTION



SCAN ME

INSTRUMENTS

We offer high performance liquid chromatography manual and automated solutions, available through purchase or leasing.

EXPERTISE

We secure your investment by providing expert advice, either from our application labs or in your lab.

SERVICES

From standard maintenance, qualification, and service, we guarantee the performance of your equipment.

VERITY® 271 HPLC System and VERITY® 281 HPLC System



High-Throughput Purification Solutions for Library Building

- Process large numbers of samples and fractions (10s to 100s) with VERITY 271 HPLC System and VERITY 281 HPLC System
- Automate the full purification workflow, including method screening, scouting, purification runs, and fraction reinjection
- Enable open-access operation for shared lab environments
- Support multiple HPLC columns with internal diameters up to 50 mm

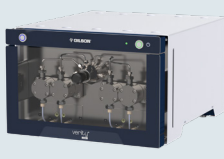
VERITY® 271 LCMS System

Mass-Based Peptide Purification

- Combines high-performance liquid chromatography (HPLC) with mass spectrometry (MS) for targeted peptide fraction collection
- Supports scouting with small columns and scalable conditions for purification
- Offers UV-VIS detection with the optional VERITY 1920 Mass Spectrometer (ESI or APCI) for SIM-based collection
- Covers a 10-2000 m/z range to detect peptides, small proteins, and multiply charged biomolecules
- Software enables conditional fraction collection using UV-VIS and up to five MS channels for improved selectivity



HIGH PRESSURE PUMPS

VERITY® 3011 Isocratic Pump		IDEAL PUMPING SOLUTION FOR CHEMICAL REACTION IN PETROLEUM APPLICATIONS, ANDGPC CLEANUP IN ENVIRONMENTAL APPLICATIONS • High-pressure rating, up to 8700 psi (600 bar), for accommodating industrial level applications • Quick-connect pump heads for simple maintenance and reduced downtime • Flow rates from 10 µL/min to 10 mL/min and integrated touchscreen controller for convenient, stand-alone operation
305 HPLC Pump 306 HPLC Pump		COST-EFFECTIVE, DEPENDABLE PUMPING SOLUTION • Available in isocratic, binary, and ternary configurations • Interchangeable pump heads to accommodate flow rates from 10 µL/min to 200 mL/min at pressure up to 8700 psi (600 bar), depending on the pump head
322 HPLC Pump		BINARY HIGH PRESSURE GRADIENT PUMP FOR ANALYTICAL TO SEMI-PREPARATIVE HPLC • Accommodates flow rates from 0.30 mL/min up to 30 mL/min at pressures up to 4350 psi (300 bar) • Compatible with HPLC columns from 4.6 to 20mm ID • Variable high-pressure dynamic mixer
VERITY® 3240 Pump		PREMIERE HIGH PERFORMANCE BINARY GRADIENT PUMP FOR SEMI-PREPARATIVE TO PREPARATIVE CHROMATOGRAPHY • Large flow rate up to 150 mL/min and pressure range up to 6090 psi (420 bar) • Designed to effectively work with preparative HPLC columns from 10 mm to 50 mm ID • Ideal for high-throughput purification chromatography allowing for scaling up purification from milligrams up to tens of grams
333/334 HPLC Pumps		HIGH FLOW BINARY GRADIENT PUMP FOR PREPARATIVE HPLC • Accommodates flow rates up ranging from 1 mL/min to 200 mL/min at pressures up to 3040 psi (210 bar) using columns up to 50 mm ID • Features a variable-volume, dynamic mixer for optimized high pressure gradient performances

DETECTORS

VERITY® 1741 UV-VIS DETECTOR		UV-VIS DIODE ARRAY DETECTION With a large selection of flow cells for semi-preparative to preparative purification (up to 700 mL/min), the reliable and versatile VERITY® 1741 UV-VIS Detector is coupled with the power of multiple-wavelength scanning range from 200 nm to 800 nm
VERITY® 1920 MASS SPECTROMETER		MASS DETECTION • High detection sensitivity and selectivity for compounds purification thus improving time to discovery • With a mass range of 10-2000 m/z, the VERITY 1920 MS helps you detect small to large molecules such as peptides and small proteins easily • Available with either electrospray ionization (ESI) or atmospheric pressure chemical ionization (APCI) ion source
VERITY® 1601 ELS DETECTOR		ELS DETECTION • Evaporative Light-Scattering Detection is a nearly-universal and powerful detection mode for liquid chromatography • Commonly used as a complementary option to UV-Vis detection when analytes do not possess any chromophore • The VERITY 1601 ELSD features a specific nebulizer, for the needs of preparative HPLC and flash chromatography • Low-temperature evaporation leveraging semi-volatile or thermally labile compounds detectability
VERITY® 1810 CONDUCTIVITY AND PH MONITOR		CONDUCTIVITY AND PH DETECTION The VERITY 1810 Monitor is an integrated conductivity sensor and an external optional pH sensor, ideal for pH dependent purifications

SOLID PHASE EXTRACTION



FLEXIBLE, EASY-TO-USE SOLID PHASE EXTRACTION SOLUTIONS

Solid phase extraction (SPE) has become the technique of choice for sample isolation/cleanup and trace enrichment before analysis due to its numerous benefits which include versatility, selectivity, and low solvent usage. The SPE process is based on a selective partition of the compounds of interest between a solid phase, the sorbent, and a liquid phase, the solvent.

Manual SPE procedures can be labor intensive and subject to human error, delays, or sample loss. These challenges have led to the development of automated SPE instruments that were pioneered by Gilson. We offer a variety of solid phase extraction systems using positive pressure and consumables that are adjustable based on your needs and can seamlessly integrate into your lab.

ASPEC® 274 SYSTEM

- High throughput system for basic and advanced SPE automation
- Process four samples in parallel
- Up to 108 samples on 1 mL cartridges, 60 on 3 mL and 48 on 6 mL
- Compatible with LLE and SLE cleanup



ASPEC® 271 SYSTEM

- Ultimate versatility system for basic and advanced
- SPE automation for 1 to 20 samples per day
- Bed capacity: up to 108 samples on 1 mL cartridges, 60 on 3 mL, and 48 on 6 mL
- Optional dual syringe for accurate transfer down to 10 µL
- Optional injection for direct UHPLC or LC integration
- Compatible with Gel Permeation Chromatography
- (GPC), liquid-liquid extraction (LLE), and Supported Liquid Extraction (SLE) cleanup applications



ASPEC® 274 LARGE VOLUME SYSTEM

- High throughput system for small- to large-volume SPE automation
- Process four samples in parallel
- Up to 32 samples on 3 mL and 6 mL cartridges
- Segregated aqueous and organic waste
- Compatible with LLE cleanup



ASPEC® 271 LARGE VOLUME SYSTEM

- Ultimate versatility system for basic and advanced small- to large-volume SPE automation
- Up to 9 large volume samples on 3 mL and 6 mL cartridges
- Segregated aqueous and organic waste
- Optional dual syringe for accurate transfer down to 10 µL
- Optional injection for direct UPLC or LC integration
- Compatible with GPC and LLE cleanup applications



ASPEC® POSITIVE PRESSURE MANIFOLD

- Ensures uniform, consistent flow rates for improved SPE reproducibility
- Enhances recovery, even with high-viscosity samples
- Provides reliable positive pressure control for manual SPE workflows
- Integrates easily into existing lab processes
- Enables fast, simple sample preparation for downstream chromatographic analysis



SERVICES THAT SUPPORT YOU

SCAN THE QR CODE TO REQUEST A QUOTE NOW.



ENSURE ACCURACY FOR YOUR INSTRUMENTS

Our expert technicians and preventative maintenance services will keep your instruments running like new. With regularly scheduled servicing, you'll extend the life of your systems and save time and money by avoiding unexpected interruptions to your work. Additionally, you can have confidence in the accuracy and reliability of your results because we'll ensure your instruments are operating within original specifications.

TYPES OF CONTRACTS

SERVICE DETAILS		Full Service	Preventative Maintenance	Extended Warranty	No Contract
1 PREVENTATIVE MAINTENANCE	SPARE PARTS CHANGE - 1X/YEAR	✓	✓		
	LABOR FOR PREVENTATIVE MAINTENANCE	✓	✓		
	TRAVEL FOR PREVENTATIVE MAINTENANCE	✓	✓		
2 CORRECTIVE MAINTENANCE	SPARES (IF BREAKDOWN)	✓	Chargeable with 10% discount	✓	
	LABOR FOR CORRECTIVE MAINTENANCE	✓		✓	
	TRAVEL FOR CORRECTIVE MAINTENANCE	✓		✓	
3 MANAGEMENT PRIORITY	*PHONE SUPPORT	Within 24 Hours	Within 48 Hours	Within 48 Hours	Within 72 Hours
	*MAINTENANCE SCHEDULED WITHIN	48 Hours	72 Hours	5 Days	5 Days
	BREAKDOWN MANAGEMENT	Unlimited	Chargeable	Unlimited	Chargeable

Who For

Maintenance for customers wanting rapid response and minimum down time, who don't require detailed performance certification.

Routine preventative maintenance. Not reliant on equipment. Customer requiring a fast response and reduced equipment downtime.

Customer looking for peace of mind regarding the reliability of the equipment during its first years.

A Performance Verification is available on request and including additional fees.

*Business Days

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