

**SAMPLE**  
PREPARATION  
INSTRUMENTS

# Product Catalog

CUTTING-EDGE LABORATORY AND  
ANALYTICAL EQUIPMENTS

**GIS** **LABLOURE**  
Solutions for Excellence in Chromatography



# PRODUCT LIST

## Positive Pressure SPE Manifold

A nitrogen-driven system for uniform pressure control across SPE cartridges, enabling consistent and reproducible sample preparation.

## Negative Pressure SPE Manifold

A negative-pressure system designed for parallel processing of SPE cartridges, enabling efficient and controlled sample preparation using vacuum-assisted flow.

## Nitrogen Evaporator

A nitrogen-driven system for rapid solvent evaporation and sample concentration across multiple positions.

## Multi-Tube Vortexer

A high-throughput mixing system designed to vortex multiple sample tubes simultaneously, ensuring uniform and reproducible mixing in bio-analytical workflows.

## Handy Vortexer

A compact, high-speed vortex mixer designed for quick and efficient mixing of small-volume samples in routine laboratory workflows.

## Vacuum Desiccator

A sealed vacuum chamber designed to remove moisture and protect sensitive samples, providing a controlled, dry environment for storage and drying applications.

## Liquid-Liquid Extraction Shaker

A rotary mixer designed to support liquid-liquid extraction by providing consistent and controlled sample agitation.

## Ultrasonic Cleaning Bath with Chiller

A stainless-steel ultrasonic bath with integrated cooling for controlled, high-performance ultrasonic cleaning and processing.

# ABOUT US

**GS Labloure** is a manufacturer and solutions provider of advanced laboratory and analytical equipment. We design and manufacture reliable **sample preparation systems** including SPE manifolds, nitrogen evaporators, vortex mixers, vacuum desiccators, ultrasonic cleaners, and laboratory consumables.

Serving **pharmaceutical, bio-analytical, environmental, and research laboratories**, we emphasize precision engineering, consistent performance, and dependable after-sales support. At GS Labloure, we enable efficient, reproducible, and confident laboratory operations.

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## VISION

To be a globally trusted provider of innovative and reliable laboratory solutions, empowering scientific research, analysis, and quality testing while supporting sustainable and technological advancement.

## MISSION

To design and manufacture high-quality laboratory equipment that meets international standards, deliver application-focused solutions for pharmaceutical and research laboratories, and build long-term partnerships through reliable after-sales support while enabling efficient and reproducible laboratory workflows.

(Nitrogen-Driven SPE Processing System)

# POSITIVE PRESSURE SPE MANIFOLD

A nitrogen-driven manifold designed to apply uniform positive pressure across multiple SPE cartridges for consistent and reproducible sample preparation.

## KEY HIGHLIGHTS

- High-throughput processing up to 144 samples
- Uniform nitrogen pressure with controlled flow distribution
- Individual flow control for reproducibility
- SS 316 construction for durability
- LED illumination for clear visualization

## TECHNICAL SNAPSHOT

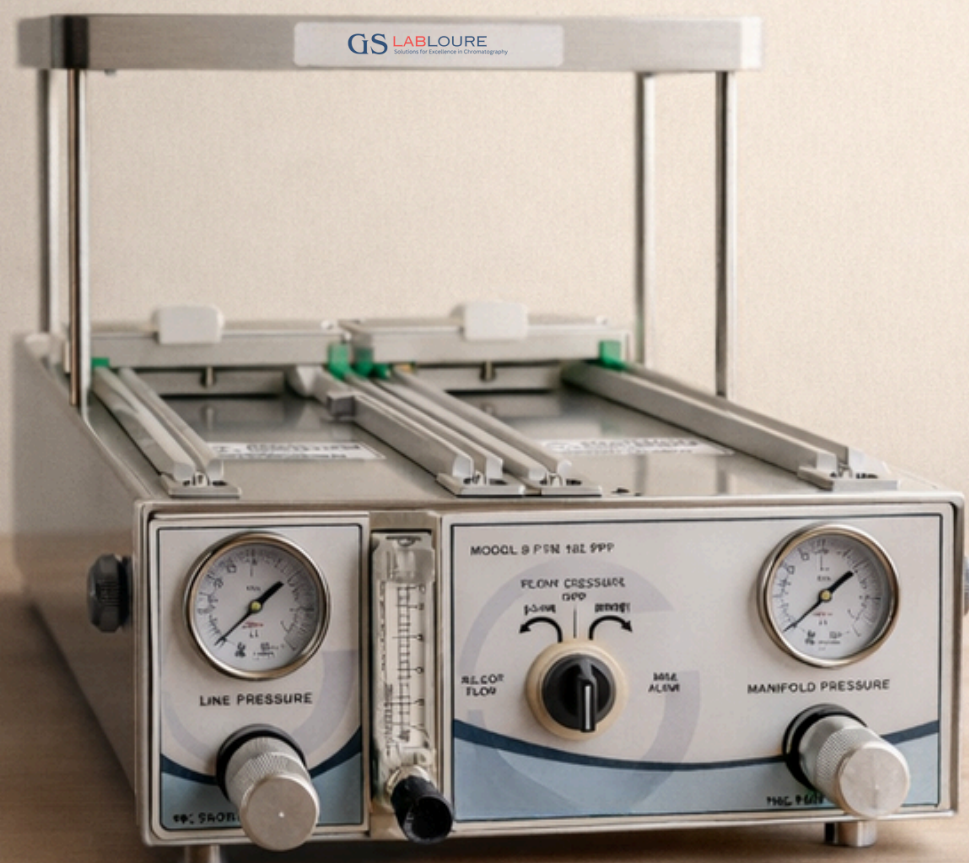
**Material:** SS 316

**Gas:** Nitrogen

**Flow Rate:** Max 10 LPM

**Pressure Range:** 0-4 bar

**Capacity:** 144 samples



(Vacuum-Assisted SPE Processing System)

# NEGATIVE PRESSURE SPE MANIFOLD

A vacuum-assisted SPE manifold designed for parallel processing of cartridges using controlled negative pressure.

## KEY HIGHLIGHTS

- **High Throughput:** Processes up to 100 SPE cartridges simultaneously
- **Wide Vacuum Range:** 0-25 inHg (vacuum) for controlled flow rates
- **Flexible Configuration:** Available in 12, 24, 48, and 100 port options
- **Universal Compatibility:** Fits standard SPE cartridges and tubes
- **Clear Monitoring:** Transparent acrylic chamber for real-time observation
- **Customizable Layout:** Adjustable racks for different container formats

## TECHNICAL SNAPSHOT

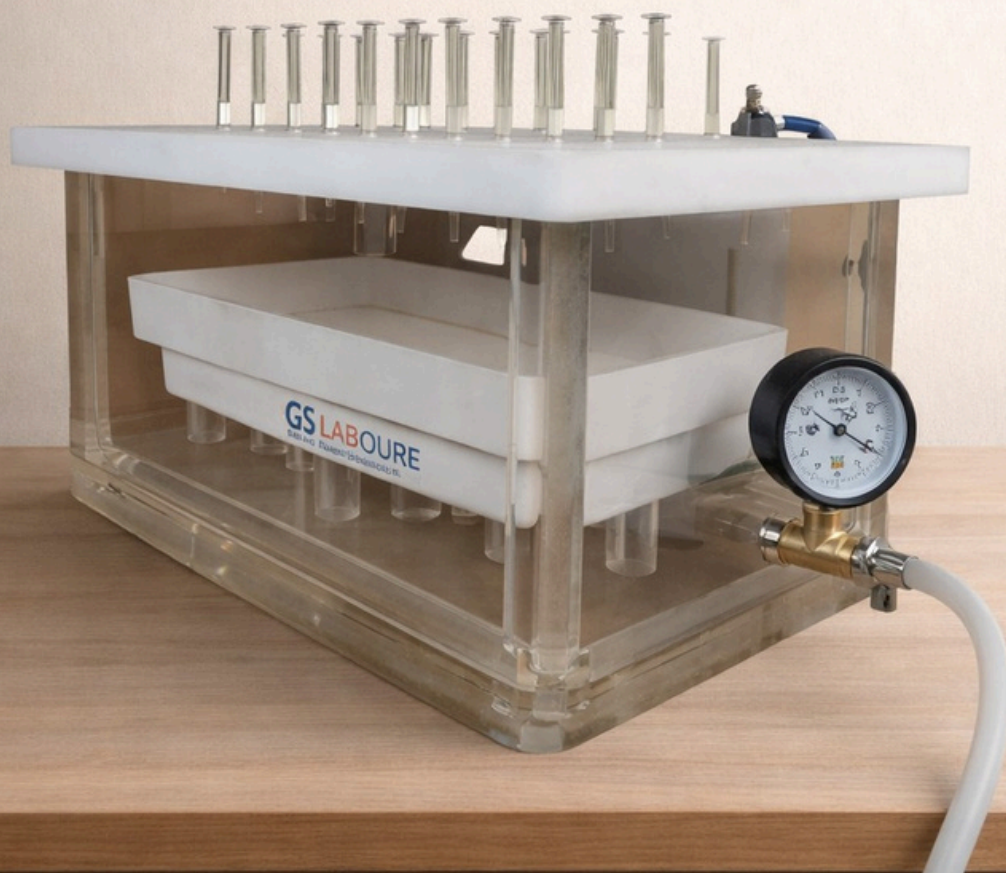
**Chamber Material:** Acrylic

**Vacuum Gauge:** Integrated

**Cover:** 100-position with fittings and stop plugs

**Accessories:** Guide needles, waste container

**Support Structure:** Valve assembly with 4 supports



(High-Throughput Sample Concentrator)

# NITROGEN EVAPORATOR

A high-throughput nitrogen evaporator designed for rapid, uniform solvent evaporation and sample concentration in bio-analytical workflows.

## KEY HIGHLIGHTS

- **High Throughput:** Up to 144 samples evaporated simultaneously
- **Uniform Evaporation:** Controlled nitrogen flow across all positions
- **Wide Pressure Range:** Supports low to high PSI for different solvents
- **Precise Control:** Dual pressure regulators and gauges
- **User Friendly:** Touchscreen controller for temperature and time
- **Enhanced Visibility:** Integrated LED lighting
- **Robust Build:** Pharma-grade stainless steel construction

## TECHNICAL SNAPSHOT

- Capacity:** 144 positions
- Operating Temperature:** ~40 °C
- Nitrogen Pressure:** Up to 120 PSI
- Evaporation Rate:** Up to 10 mL/min  
(solvent dependent)
- Body Material:** Stainless Steel

(Other configurations available on request)



(High-Throughput Mixing System)

# MULTI-TUBE VORTEXER

A multi-tube vortexing system designed for simultaneous, uniform mixing of multiple samples in high-throughput laboratories.

## KEY HIGHLIGHTS

- **Parallel Mixing:** Vortexes multiple tubes simultaneously
- **Consistent Results:** Uniform agitation across all positions
- **Programmable Operation:** User-defined RPM, time, and pulse modes
- **Touchscreen Control:** Intuitive digital interface
- **Low Vibration:** Quiet and stable operation
- **Compact Footprint:** Space-efficient benchtop design

## TECHNICAL SNAPSHOT

**Operation Modes:** Continuous, Pulse, Programmable  
**Speed Control:** Variable RPM  
**Application:** Pharma, clinical, and research labs



(Compact Bench-Top Vortex Mixer)

# HANDY VORTEXER

A compact vortex mixer designed for quick and efficient mixing of small-volume samples in routine laboratory use.

## KEY HIGHLIGHTS

- **Compact Design:** Ideal for limited bench space
- **Quick Mixing:** Efficient High-speed vortexing for small volumes
- **Adjustable Speed:** Suitable for different sample types
- **Easy Operation:** Touch and continuous modes
- **Ergonomic Build:** Comfortable for repetitive use

## TECHNICAL SNAPSHOT

**Operation:** Touch / Continuous

**Speed:** Variable

**Application:** Research, clinical,  
and educational labs



(Vacuum Drying & Storage System)

# VACUUM DESICCATOR

A vacuum desiccator designed to create a moisture-free environment for drying, storing, and protecting sensitive samples under controlled vacuum conditions.

## KEY HIGHLIGHTS

- **Effective Moisture Removal:**  
Vacuum-sealed chamber ensures efficient drying
- **Sample Protection:** Ideal for hygroscopic and moisture-sensitive materials
- **Clear Visibility:** Transparent chamber allows easy monitoring of samples
- **Durable Construction:**  
Corrosion-resistant materials for long-term use
- **Simple Operation:**  
Compatible with standard laboratory vacuum pumps

## TECHNICAL SNAPSHOT

**Operating Mode:** Vacuum-assisted

**Chamber Design:** Transparent

**Application:** Drying, storage, preservation of samples

**Laboratory Use:** Pharmaceutical, chemical, environmental



(Rotary Mixing System for LLE)

# LIQUID-LIQUID EXTRACTION SHAKER

A rotary agitation system designed to support liquid-liquid extraction by providing controlled and uniform mixing of immiscible solvent phases.

## KEY HIGHLIGHTS

- **Controlled Mixing:** Adjustable rotation speed for optimal phase interaction
- **Time Programmable:** Precise extraction control with adjustable timers
- **Wide Compatibility:** Suitable for various solvents and sample types
- **Uniform Agitation:** Ensures consistent extraction efficiency
- **Compact Design:** Space-saving footprint for laboratory benches

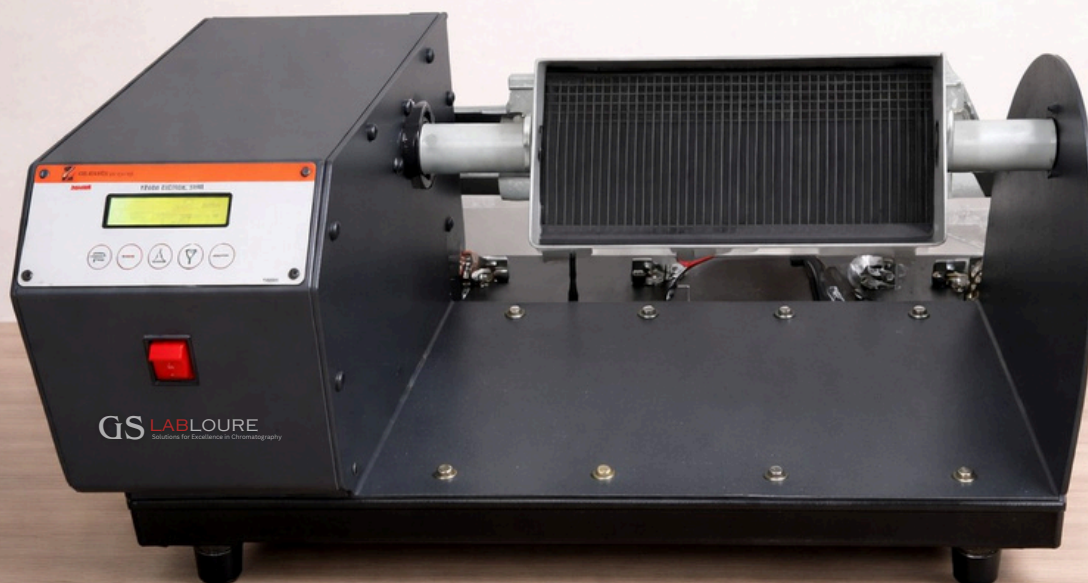
## TECHNICAL SNAPSHOT

**Speed Range:** 20-150 RPM

**Timer Range:** 0-10 minutes

**Operation:** Rotary agitation

**Application:** Pharmaceutical,  
environmental, research  
laboratories



(Temperature-Controlled Ultrasonic System)

# ULTASONIC CLEANING BATH WITH CHILLER

A temperature-controlled ultrasonic cleaning bath with integrated chiller, designed for precision cleaning, degassing, and sample processing applications.

## KEY HIGHLIGHTS

- **High-Power Ultrasonics:** Efficient cavitation for thorough cleaning
- **Integrated Chiller:** Maintains low temperatures during operation
- **Advanced Control Modes:** DEGAS, sweep (PSP), and ultrasonic modes
- **User-Friendly Interface:** LCD display with programmable timer
- **Efficient Cooling:** Foam-insulated tank to minimize energy loss

## TECHNICAL SNAPSHOT

**Tank Capacity:** 20 L (350 × 300 × 200 mm)

**Material:** SS 304L, mirror finish

**Ultrasonic Power:** 400 W

**Frequency:** 33 kHz

**Temperature Range:** Ambient to 10 °C

**Power Supply:** 220 V, 50 Hz, single phase



# DOCUMENTATION & SUPPORT

## Provided Certificates:

- QUALITY ASSURANCE CERTIFICATE
- MATERIAL SAFETY DATA SHEET (MSDS) CERTIFICATE
- CERTIFICATE OF CONFIRMITY
- CALIBRATION CERTIFICATE
- TRACEABILITY CERTIFICATE
- TEST CERTIFICATES
- WARRANTY CERTIFICATE
- IQ, OQ, AND PQ WITH ACCURACYCHECKPOINTS

## Technical Support:

EXPERT SUPPORT TEAM IS AVAILABLE FOR INSTALLATION,  
TRAINING, AND TROUBLESHOOTING.

## contact us:



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