

VacMaster®-96

Sample Processing Station

for 96-well sample preparation applications

VACUUM PROCESSING FOR 96-WELL BIOANALYTICAL SAMPLE PREPARATION

The VacMaster-96 Sample Processing Station provides a total solution to sample processing by vacuum in 96-well format solid phase extraction, protein precipitation, and supported liquid extraction applications. It is ideal for manual sample processing, and is compatible with automated liquid handling systems.

- Multiple plate compatibility. Use with ISOLUTE® Array and ISOLUTE-96 plate formats, also compatible with tabless 1 mL columns when using an appropriate holder.
- Compact footprint. Ensures minimal space requirement on bench top or automation instrument deck.
- Constructed from lightweight, inert materials. Easily manipulated by robotic systems, and will not be damaged by solvent spills.
- Sloping, solvent resistant manifold base. Promotes waste sample and solvent drainage and eliminates the need for disposable reservoir trays. Waste is collected in an inert trap for easy, safe disposal.
- Versatile vacuum control options for flexibility. Separate vacuum control or vacuum generator options tailor the manifold for your laboratory requirements.



Fully integrated 96-well system for high throughput sample processing.

From left to right: VCU-2 (vacuum control unit with integral vacuum generator), solvent trap, VacMaster-96 Sample Processing Station with ISOLUTE-96 plate

FULLY VERSATILE MANIFOLD SYSTEM

As well as compatibility with both ISOLUTE-96 and ISOLUTE Array 96-well plates, the versatile VacMaster-96 Sample Processing Station can be used to process a range of other extraction and filtration plate designs, including 'short skirt' plates.

Different types of 96-well collection plates (both deep and shallow well) can easily be accommodated using a spacer system to raise the collection plate and eliminate well-to-well cross-talk.

It is also possible to process tabless 1 mL columns in a modular format by using the Tabless 1 mL Column Holder (121-9620).

VACUUM CONTROL AND GENERATOR OPTIONS

VCU-1 – a separate polypropylene unit with vacuum gauge, on / off switch and fine controls. For use with a laboratory vacuum source.

VCU-2 – a separate polypropylene unit with vacuum gauge and fine controls, together with an integral vacuum generator. When coupled to a laboratory compressed air line, the VCU-2 can be used as a vacuum source. This eliminates the need for a vacuum pump.

These stand-alone units allow vacuum controls to be separated from the manifold itself. A solvent trap can be positioned between the VacMaster-96 Sample Processing Station and the vacuum control unit, ensuring hazardous biological fluids or aggressive solvents do not contact the vacuum gauge, switches and controls.

VACMASTER TRAP KIT

The VacMaster trap kit should be installed between the VacMaster-96 outlet connector and the vacuum control unit (VCU-1 or VCU-2) to collect all waste liquids for safe disposal. The kit consists of a 1 L flask, polyethylene stopper with integral connectors, silicone gasket and 1.5 meters of vacuum tubing.

ORDERING INFORMATION

VacMaster-96 Sample Processing Station

Part Number	Description	Pack size
121-9600	VacMaster-96 manifold only ¹	1
121-9601	VacMaster-96 Vacuum Control Unit ²	1
121-9602	VacMaster-96 Vacuum Control Unit with integral vacuum source ³	1

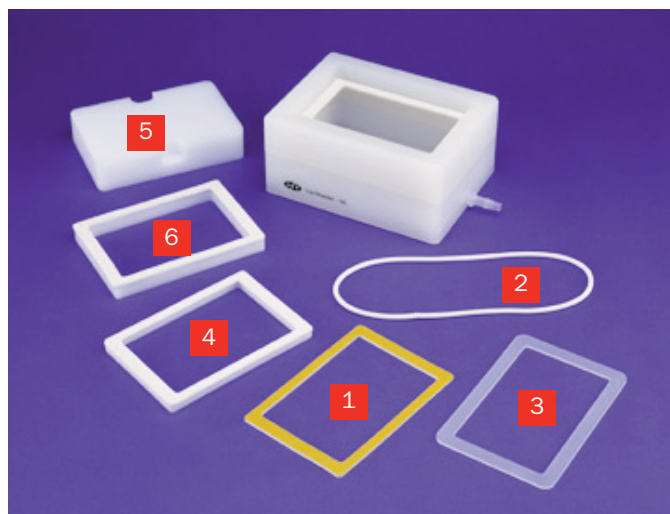
¹ Option does not include a vacuum control unit, supplied for use with automated liquid handling systems with in-built vacuum source

² Option for use in laboratories with a vacuum source

³ Option for use in laboratories with a compressed air source

VacMaster Trap Kit

Part Number	Description	Pack size
121-2095	VacMaster trap kit 1 L	1
121-2195	VacMaster trap kit 10 L	1



VacMaster-96 Sample Processing Station accessories and replacement parts

Part Number	Description	Pack size
121-9612	1 VacMaster-96 replacement gasket	1
121-9613	2 VacMaster-96 replacement 'O' ring	1
121-9614	3 Collection plate spacer (2 mm) for deep well format	1
121-9610	4 ISOLUTE Array Insert (6 mm) for VacMaster-96 (Acetal) ¹	1
121-9615	5 Collection plate spacer (29 mm) for shallow well format	1
121-9611	6 VacMaster-96 insert (12 mm) for 'short skirt' plate format	1

¹ Supplied as standard with VacMaster-96 Sample Processing Manifolds

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