

Biotage® VacMaster™ 96 Sample Processing Manifold

User Manual



Operation

Biotage® VacMaster™ 96 sample processing manifold has been designed with the needs of the bioanalytical scientist in mind. This manifold is ideal for vacuum processing 96-well solid phase extraction, supported liquid extraction, or protein precipitation plates either manually or with an automated liquid handling system.

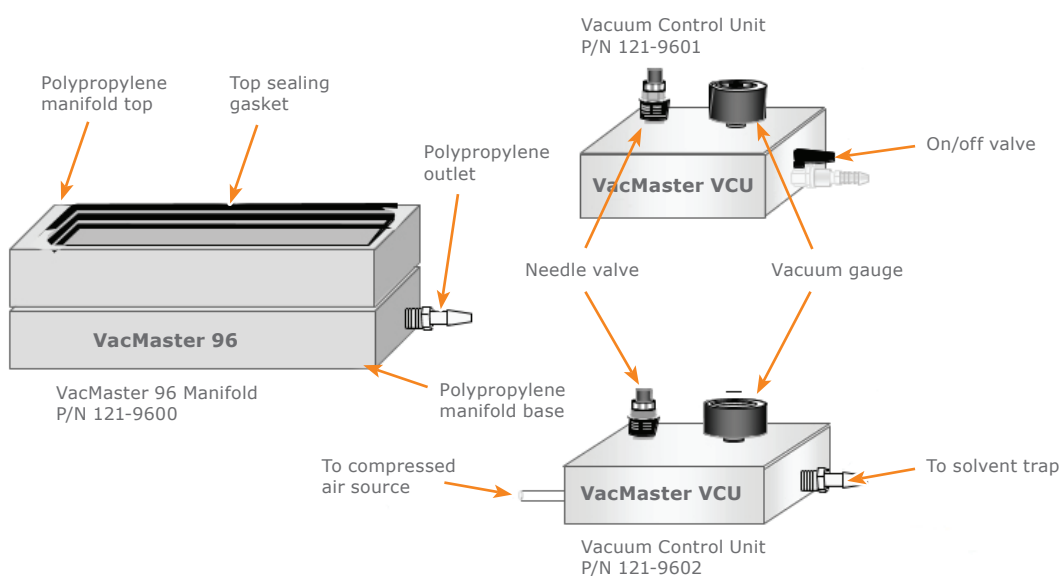
Manifold Operation

- » VacMaster 96 is compatible with all 96-well format plates from Biotage, including Solid Phase Extraction (SPE), Supported Liquid Extraction (SLE), protein precipitation, phospholipid depletion, and filtration plates.
 - » To process fixed well design 96-well plates, place the ISOLUTE-96 extraction plate directly onto the gasket positioned in the recess on the manifold top.
 - » ISOLUTE Array style plates are processed using the additional spacer provided with VacMaster 96. Place this spacer directly onto the manifold top gasket (gasket side up) and position the ISOLUTE Array plate on top of the spacer gasket.
 - » If VacMaster 96 is supplied with a vacuum control unit (P/N 121-9601 or 121-9602), attach the polypropylene outlet located on the side (VCU-1) or end (VCU-2) of the vacuum control unit to the polypropylene outlet of the manifold using the PTFE tubing provided. Alternatively, if required, a solvent trap (P/N 121-2095 or 121-2195) can be positioned between the vacuum manifold and the vacuum control unit.
- Note:** With vacuum control unit P/N 121-9602, which has an integral vacuum source, a solvent trap must be placed between the manifold and the vacuum control unit.

- » The internal floor of the polypropylene manifold base is constructed to promote quick and easy drainage of conditioning solvents and waste sample. This negates the need for a disposable waste reservoir tray.

Vacuum Control

- » Flow control is essential to the robustness of solid phase extraction (and related) procedures. A needle valve and vacuum gauge are located on the vacuum control unit. The vacuum can be easily controlled by adjusting the knurled knob on the needle valve. This valve is fully closed when turned clockwise.
- » For operation of vacuum control unit P/N 121-9601, a vacuum source should be connected to the on/off valve. The valve is opened when the red tap is turned parallel to the valve. For operation of vacuum control unit P/N 121-9602, a compressed air source should be connected to the vacuum generator (as shown below).
- » Once connected, slowly turn the needle valve counter-clockwise until the desired vacuum is obtained.
- » The vacuum can be shut off as required by either turning the on/off valve until it is at a right angle with the valve or switching off the compressed air source.
- » The needle valve can be used to vent the unit and release the vacuum.
- » It is recommended that the vacuum is pulsed. In some cases, it may not be necessary to use a vacuum at all, letting solvents flow by gravity.



Ordering Information

VacMaster 96

Part No	Description	Qty.
121-9600	VacMaster 96 (no vacuum control included)	1
121-9601	VacMaster 96 vacuum control unit	1
121-9602	VacMaster 96 vacuum control unit with integral vacuum source	1
121-2095	VacMaster solvent trap (1L)	1
121-2195	VacMaster solvent trap (10 L)	1

Deep Well Collection Plates

Constructed from high purity solvent resistant polypropylene.

Part No	Description	Qty.
121-5201	Collection plate, 350 μ L	50
121-5202	Collection plate, 1 mL, Square	50
121-5203	Collection plate, 2 mL, Square	50
121-5213	Collection plate, 2 mL, Round	50



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