



# Universal Vacuum Manifold Assembly



# UNIVERSAL VACUUM MANIFOLD



## 24 Well Plate Manifold System

**Part Number: VMF24WP**

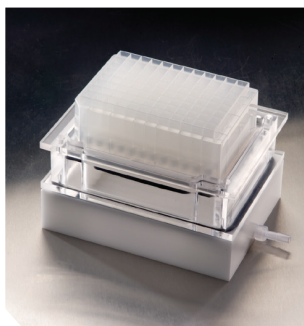
- System includes collection plate, extraction plate, manifold and vacuum gauge waste base.
- Extraction plate can accommodate (24) 6 mL SPE columns.
- UCT SPE columns can be packed in 500 mg, 1 and 2 gram formats.
- Collection plate will accommodate 16x100mm and 16x125mm test tubes.



## 48 Well Plate Manifold System

**Part Number: VMF48WP**

- System includes collection plate, extraction plate, manifold and vacuum gauge waste base.
- Extraction plate can accommodate (48) 4.5 mL SPE columns in a staggered array.
- Elute samples directly into 12 x 75 mm test tube or 2 mL analytical vials.



## 96 Deep Well Plate Manifold System

**Part Number: VMF96WP**

- System includes manifold and vacuum gauge waste base.
- Well plates are separate and not included with system.
- Accommodate most standard 96 well plates.
- Collect directly into microplate.



## Universal Vacuum Manifold

**Part Number: VMFUWVP**

- A manifold system that accommodate a 24 well, 48 and 96 well plate configuration.
- System includes collection plate, extraction plate, manifold and vacuum gauge waste base.
- Extraction and collection plates for 24 well and 48 well configurations are included.
- Erlenmeyer flask and tubing are included.



24 Well Collection Plate  
VMF24CP



24 Well Extraction Plate  
VMF24EP



48 Well Collection Plate  
VMF48CP



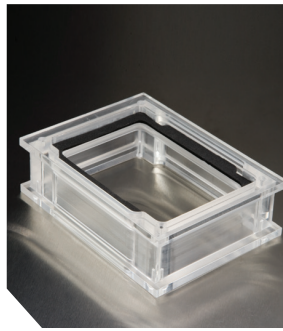
48 Well Extraction Plate  
VMF48EP



Base Gasket  
VMFUVeG



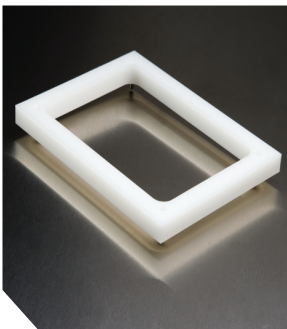
Lid Gasket  
VMFUVNG



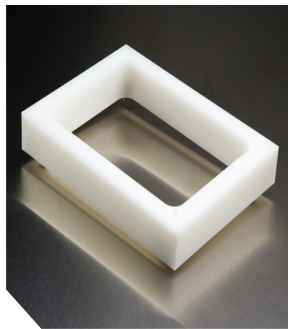
Manifold Top  
VMFUVMT



Manifold Base  
VMFUVMB



Half Inch Spacer  
VMFUV05SP



One Inch Spacer  
VMFUV10SP



Collection Plate Riser  
VMFUVR1



Barbed Hose Adaptor  
VMFUVST

# UNIVERSAL VACUUM MANIFOLD ASSEMBLY

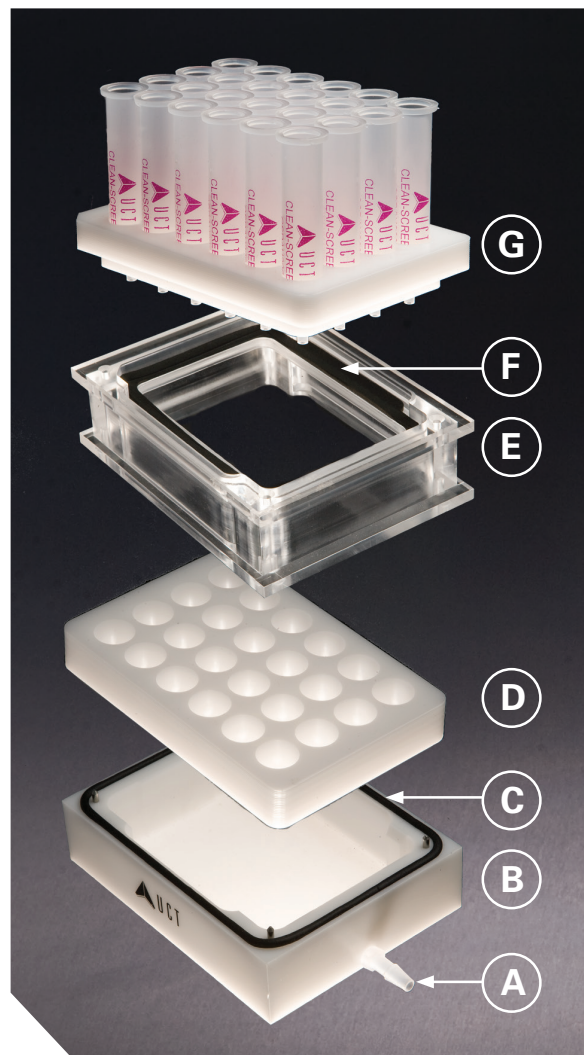
## Instructions:

1. Insert spicket (A) into manifold base (B)
2. Insert EPDM Gasket (C) into Manifold base (B).
3. Place Well Collection Plate (D) into Manifold Base (B).
4. Place Reversible Manifold Top\* (E) onto Manifold Base (B).
5. Place Extraction Plate (G) into Reversible Manifold Top.
6. Connect Spicket (A) to vacuum source.

\* **Note:** The manifold top is reversible. This is to accommodate the height of various collection vials. The unit is shipped in the low position. In order to utilize the high position the neoprene gasket should be moved to the opposite side of the lid.

## Components:

(A) Spicket	VMFUVST
(B) Manifold Base	VMFUVMB
(C) EPDM Gasket	VMFUEVG
(D) Well Collection Plate	VMF24CP (for 24 well collection plate) VMF48CP (for 48 well collection plate)
(E) Reversible Manifold Lid	VMFUVMT
(F) Neoprene Gasket	VMFUVNG
(G) Well Extraction Plate	VMF24EP (for 24 well extraction plate) VMF48EP (for 48 well extraction plate)



## Accessories:

1/2" Manifold Top Spacer	VMFUV05SP
1" Manifold Top Spacer	VMFUV10SP
Collection Plate Riser (1/8")	VMFUVR1
24 Well Collection Plate Plugs	VMFUV24PLU
48 Well Collection Plate Plugs	VMFUV48PLU

## Contact Us

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UNIVERSAL VACUUM MANIFOLD COMPLETE SYSTEM



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Description	Part Number
System accommodates 24 individual columns, 48 individual columns, and well plate configurations. System includes all collection plates, all extraction plates, manifold, vacuum gauge, vacuum tubing, vacuum relief valve, vacuum flask, hose barb adaptor, and waste base.	VMFUWVP

INDIVIDUAL SYSTEMS	
Description	Part Number
 <p><b>24 Column Manifold System</b> – System includes a 24 GC vial collection plate, a 24 column extraction plate, manifold, vacuum gauge, vacuum tubing, vacuum relief valve, vacuum flask, hose barb adaptor, and waste base.</p>	VMF24WP
 <p><b>48 Column Manifold System</b> – System includes a 48 GC vial collection plate, a 48 column extraction plate, manifold, vacuum gauge, vacuum tubing, vacuum relief valve, vacuum flask, hose barb adaptor, and waste base.</p>	VMF48WP
 <p><b>Well Plate Manifold System</b> – System includes a manifold, vacuum gauge, vacuum tubing, vacuum relief valve, vacuum flask, hose barb adaptor, and waste base. This system can accommodate 24, 48, and 96 well plates and their respective collection plates.</p>	VMF96WP

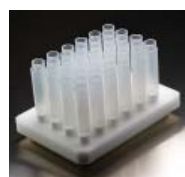
## UNIVERSAL VACUUM MANIFOLD ACCESSORIES



**24 Column  
Extraction Plate**



**24 Vial Collection Plate**



**48 Column  
Extraction Plate**



**48 Vial Collection Plate**



**Manifold Top**



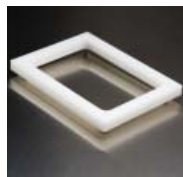
**Neoprene Gasket**



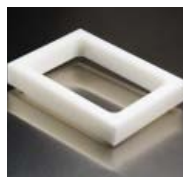
**Manifold Base**



**EPDM Gasket**



**Spacer 1/2"**



**Spacer 1"**



**Collection Plate Riser**



**Vacuum Pump**



**Spigot**



**Vacuum Base, Waste  
Gauge and Vacuum  
Flask**

Description	Units	Part Number
<b>24 Column Extraction Plate</b> – This plate can accommodate 24 of UCT's 1 mL, 3 mL or 6 mL extraction columns.	1	VMF24EP
<b>24 Vial Collection Plate</b> – This plate holds 24 standard 2 mL GC vials	1	VMF24CP
<b>48 Column Extraction Plate</b> – This plate can accommodate 48 of UCT's 1 mL and 3 mL extraction columns.	1	VMF48EP
<b>48 Vial Collection Plate</b> – This plate holds 48 standard 2 mL GC vials	1	VMF48CP
<b>Manifold Top</b> – This is the part of the Universal Vacuum Manifold that houses the well plates or the Extraction Plates.	1	VMFUVMT
<b>Neoprene Gasket</b> – This gasket seals the bottom of the extraction plates, or well plates to the Manifold Top.	1	VMFUVNG
<b>Manifold Base</b> – This houses the collection plates	1	VMFUVMB
<b>EPDM Gasket</b> – This gasket is fitted between the Manifold Top and Manifold Base.	1	VMFUVEG
<b>Spacer 1/2"</b> – This spacer adds 1/2 inches between the Manifold Top and the Manifold Base to accommodate collection vials of higher height.	1	VMFUV05SP
<b>Spacer 1"</b> – This spacer adds 1 inches between the Manifold Top and the Manifold Base to accommodate collection vials of higher height.	1	VMFUV10SP
<b>Collection Plate Riser</b> – The purpose of the riser is to add a little extra height to the collection plate to allow the tip of the SPE column to be inside the collection vial.	1	VMFUVR1
<b>Vacuum Pump</b> – These vacuum pumps are used in conjunction with the vacuum manifold. The pump is 1/8 hp, 4.2 amps and 60 Hz. The pumps are available in 115 and 230 volts.	115 V 230V	ECROCKER400 ECROCKER400-220V
<b>Spigot</b> – In order to pull vacuum on the Universal Vacuum Manifold, the spigot is the connection point for the vacuum tubing.	1	VMFUVST
<b>Vacuum Base, Waste Gauge and Vacuum Flask</b> – This set up is needed to prevent solvent from entering the vacuum system.	1	VMFUVVGWB