

## VersaVac™ Sample Loading Station

Cat. No. 97750-U

### Product Description

The VersaVac Sample Loading Station is a vacuum manifold that enables the user of the VersaFlash™ system to simultaneously pre-load samples on up to six VersaPak™ cartridges off-line. It can also be used for the partial separation of samples saving valuable time in the separation process on the VersaFlash Station. The VersaVac gives you the flexibility to pre-load from one to six samples off-line while other samples are being purified allowing you to work more efficiently.

The VersaVac Sample Loading Station features a solvent resistant cover and gasket, glass basin, vacuum gauge/bleed valve assembly to allow vacuum/flow control, and female Luer plugs.



### Attaching the Vacuum Line

It is only necessary to prepare a waste liquid trap if solvents will be drawn into the sample loading station as a means to protect the vacuum pump. Prepare a waste liquid trap by fitting a 1 liter filtration flask with a one-hole rubber stopper containing a short piece of rigid tubing (the tubing should extend below the vacuum attachment fitting on the flask), or use the Supelco SPE Vacuum Pump Trap Kit (Cat. No. 57120-U). Attach the short length of red vacuum tubing provided with the VersaVac station to the hose barb on the right side of the manifold top. Insert one of the straight arms of the vacuum gauge/bleed valve assembly into the other end of the tubing. Using vacuum tubing, connect the rigid tubing in the vacuum trap stopper with the other straight arm of the vacuum gauge/bleed valve assembly. Then connect the vacuum source to the vacuum attachment arm on the flask.

### Using the VersaVac Sample Loading Station

**NOTE:** If fine vacuum adjustment is desired, control the vacuum level using the needle valve on the pump (if so equipped) or use the Vacuum Gauge/Bleed Valve Assembly. To break the vacuum using the installed Vacuum Gauge/Bleed Valve Assembly, turn the knurled bleed valve knob counterclockwise until the needle reads "0". Tighten the knob clockwise to increase the vacuum.

## Sample Loading

1. It is recommended to use as little vacuum as necessary to load the sample. Begin sample loading with the vacuum gauge/bleed valve assembly fully closed so that no vacuum is being applied.
2. The female Luer plugs are provided to allow you to plug off any unused ports on the VersaVac Sample Loading Station to eliminate excess air bypass.
3. One to six cartridges can be loaded on the VersaVac by placing the female Luer fitting in the cartridge over the male slip Luer fitting in the VersaVac and pushing down until it seats firmly.
4. Turn on the vacuum (generally very low vacuum (< 5 inches Hg) is best for properly loading samples on the cartridges) and apply the sample to the cartridge using a pipette, syringe or by using an empty SPE tube with a male Luer fitting as a funnel.
5. Once the sample is loaded onto the cartridge, turn off the vacuum and transfer the cartridge to the VersaFlash station for final purification and elution of desired components. Make sure that the sample is at the bottom of the cartridge when loaded on the station.

## Partial Separation

The VersaVac Station also allows you to conduct partial separations by loading the sample on the cartridge and then flushing a small volume of solvent through the cartridge to begin the purification process. It is very important to use a low vacuum so that the solvent is pulled through the cartridge uniformly leading to optimized sample separation.

## Additional Precautions

Vacuum in the manifold must not exceed 20" (50.8 cm) Hg.

Be careful when removing cartridges to pull straight up and not to tilt the cartridge off to one side as this may break the male luer adaptors or strip them from the VersaVac plate.

## Ordering Information

<b>Description</b>	<b>Cat. No.</b>
VersaVac Sample Loading Station .....	97750-U
Vacuum Pump Trap Kit .....	57120-U
6 mL funnels (empty SPE tubes) .....	57242
Female Luer caps .....	57098

**Trademarks:** VersaFlash, VersaVac, VersaPak, Sigma-Aldrich