

User manual

January 18<sup>th</sup>, 2022

# CHROMABOND<sup>®</sup> SPE vacuum manifolds for multi 96 monoblocks

CAUTION: Do not operate the manifolds without first reading and fully understanding the user manual. In case of doubt, please contact our technical support.

This user manual is valid for the following product:

**REF 738630.M**

CHROMABOND<sup>®</sup> SPE multi 96 vacuum manifold, complete consists of:

Vacuum manifold made of polypropylene (PP) for CHROMABOND Multi 96 monoblocks with reservoir tank, 3 spacer pairs, vacuum gauge, control valve and rubber pad.

## 1. Vacuum manifold assembly

1. Check the correct fitting of the black lid gasket (Fig. 1). If necessary, the gasket can easily be removed and properly be repositioned.
2. Place the reservoir tank inside the manifold and attach the lid (Fig. 2).
3. For multistep filtration, use the enclosed spacer set.



Fig. 1

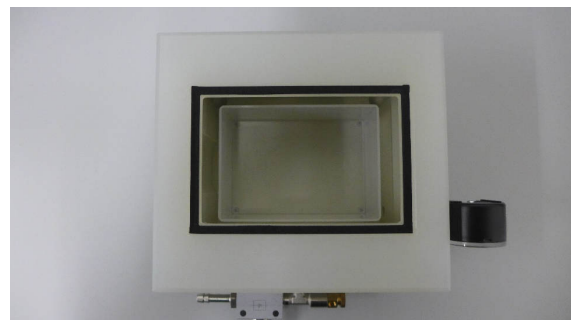


Fig. 2

## 2. Vacuum connection and manifold operation

1. Install a liquid trap between the manifold vacuum chamber and the vacuum source.
2. Use vacuum tubing to connect the vacuum source to the filter or trap, and from the trap or filter to the manifolds vacuum connection.
3. Set the multi 96 well plate on top of the lid (Fig. 3). If necessary, use the enclosed rubber pad on top of the well plate to achieve a good vacuum (Fig. 4).
4. Start the pump and open the valve counterclockwise until the desired vacuum is reached (Fig. 5 & 6).
5. Be sure the venting valve is closed. In some cases the lid needs some gentle pressure to seal the manifold and start the vacuum.

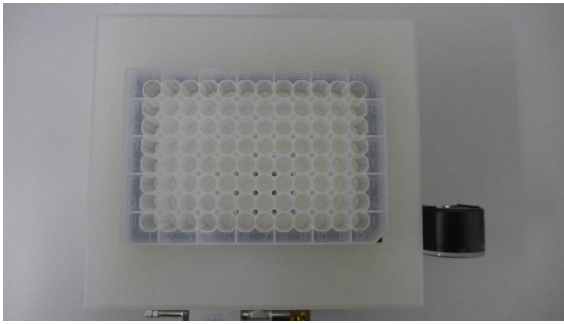


Fig. 3

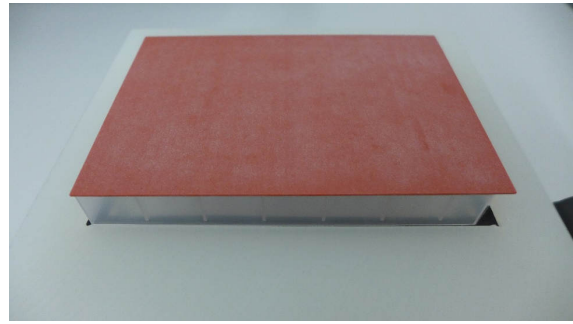


Fig. 4

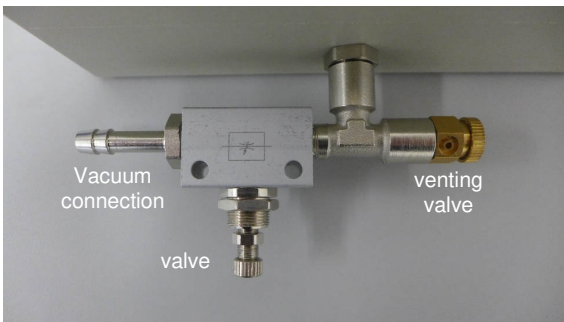


Fig. 5



Fig. 6

### 3. Storage and clean-up

This manifold must be cleaned by hand; the use of a laboratory dish washer can cause damage or even destruction. We recommend, to not letting the manifold and gasket get in direct contact with solvents and acids / bases. An additional advantage is that the manifold is not contaminated, and a cleaning of the manifold after use is therefore not necessary. If cleaning with organic solvents is necessary, only use a wet cloth! Do not store or use the CHROMABOND® SPE vacuum manifold in direct sun light (e.g. on a window-sill). Furthermore, UV light or temperatures above 40 °C can cause an irreversible twisting of the lid.