

DHI FILTRATION EQUIPMENT

Filtration manifolds for many purposes

The DHI filtration equipment is the result of years of development and testing in our laboratories. Our handmade manifolds are specifically designed for vacuum filtration of samples onto 25 mm filters. You can easily collect the filtrate or drain it into a larger container. The manifolds are also rotatable, making it easier to handle each sample. With easy assembly and operation, the DHI filtration equipment is the perfect choice for all your filtration needs.

The compact size of our filtration equipment makes it ideal for use in fume hoods or when space is limited. With the capability of independent control over the simultaneous filtrations and a rotatable manifold, it is perfectly suited for working with multiple samples independently at once.

TWO DIFFERENT FILTRATION MANIFOLDS

When filtering samples onto filters, the filters are placed in the Teflon filter base and the stainless steel chimneys are placed upon the filters. The weight of the chimneys ensures that the filters are attached firmly to the filter bases. If needed, the filtrate can be collected individually by placing 20 mL vials in the holder inside the 10*20 mL manifold. In the 5*100 mL manifold, five bottles can be placed at the bottom for larger sample volumes. A Teflon tap guarantees an easy and safe way to control the opening and closing of the vacuum of each sample.



The filters are held by chimneys made of acid-resistant stainless steel, with a capacity of either 20 mL or 100 mL. The base of each chimney is composed of Teflon (PTFE) and stainless steel. Additionally, by placing the chimneys in a freezer, chilled filtration (e.g., TCA) can be carried out. The top and bottom of the manifold and the cylinder collecting filtrates are made of PVC.

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BENEFITS

- Filtrates up to 10 samples simultaneously
- Individual control of each sample with a Teflon tap
- The filtrate can be collected into vials placed in a holder inside the 10*20 mL manifold or into 5*100 mL bottles inside the 5*100 mL manifold
- The manifold can be rotated for easy handling of each sample
- Simple assembly and cleaning make this filtration system user-friendly

FEATURES

- Easy filtration of samples onto 25 mm filters
- It is especially useful for filtering aquatic samples, such as those used for measuring particulate primary production or preparing slides for microscopic counting of microorganisms
- A wide range of filter types can be used with the filtration manifolds



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