

DHI FILTRATION EQUIPMENT

Filtration manifolds for many purposes

The DHI filtration equipment has been developed over many years by testing in our laboratories. The manifolds are handmade and specially designed for vacuum filtration of samples onto 25 mm filters or for Solid Phase Extraction (SPE). The filtrate can be collected or it can be drained into a larger container. The manifolds can be rotated and are easy to assemble and operate.

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 keep the filters 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 large bottles are placed at the bottom of the manifold. A two-way Teflon tap guarantees an easy and safe way to control the opening and closing of the vacuum of each sample.



SPE MANIFOLD

The SPE manifold has a specially designed top with cartridge holders made of Teflon. It is useful for vacuum or gravity extraction of up to 10 individual samples. Tubes can be connected to the SPE cartridges for vacuum loading of samples on the cartridges. The filtrate can be collected individually by placing 20 mL vials in the holder inside the manifold.



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BENEFITS

- Filtration of up to 10 samples at a time
- Individual control of each sample by a two-way Teflon tap
- Collection of the filtrate into vials placed in a holder on the 10*20 mL manifold
- Collection of the filtrate into 5*100 mL bottles inside the 5*100 mL manifold
- The manifold can be rotated for easy handling of each sample
- Easy to assemble and clean

FEATURES

- Easy filtration of samples onto 25 mm filters
- Especially suited to the filtration of aquatic samples (for example, when measuring particulate primary production or for preparing slides for microscopic counting of microorganisms)
- Various filter types available for the filtration manifolds



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