SolVac™ filter holder

MAGNETIC FILTER HOLDER SIMPLIFIES CLEAN-UP AND DEGASSING OF MOBILE PHASE SOLVENTS AND OTHER SOLUTIONS

- Sample volume is not limited by size of collection vessels used with bottle-top filters.
- Versatile design. Fits most HPLC bottles, flasks, and containers. Eliminates added steps of washing flasks and transferring mobile phase solvents from flask to reservoir.
- Draws directly from HPLC solvent bottle. Less likely to spill aggressive solvents than glass funnels or disposable cups.
- Durable plastic construction. Less likely to break than glass funnels, assemblies, or pick-up adaptors.
- Patented magnetic seal is reliable and leak proof. Eliminates the possibility of membrane shifting or tearing which can occur with aluminum clamps or threaded holders.
- Reusable, chemically resistant polypropylene construction. Resistant to common HPLC mobile phase solvents such as methanol, acetonitrile, and tetrahydrofuran.
- Unlimited membrane selection. Accepts 47 mm disc filters with choice of membrane based on the type of solvent or solution being filtered.



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Applications

Use the SolVac filter holder to remove contaminating particulate and degas mobile phase solvents. Easily filters up to 4 liters of mobile phase solvent at once without the need to continuously refill a filter funnel. Place the SolVac filter holder on a receiving vessel rated for vacuum applications, connect to a vacuum source, place the inlet tube into the solvent to be filtered, and begin filtration.

Durable polypropylene construction provides chemical compatibility for common HPLC mobile phase solvents such as methanol, acetonitrile, and tetrahydrofuran. All filter holder surfaces that come into direct contact with your mobile phase are polypropylene. In addition, the durable plastic construction means the device will not shatter if accidentally dropped, which can occur with glass funnels, assemblies, or pick-up adaptors.

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Specifications

Materials of construction

Upper housing, housing base:
Polypropylene

Feedline tubing:
Ultra chemical-resistant Tygon
4.8 mm (3/16 in.) ID

Thumb clamp:
Celcon plastic

Feedline sinker:
PTFE

Vacuum port adaptor, membrane seal gasket, and seal gasket:
Polyethylene

Effective filtration area
10.2 cm^2

Filter size
Accepts 47 mm filter

Inlet and outlet connections
Tapered inlet accepts 3.2 - 6.4 mm (1/8 - 1/4 in.)
ID tubing; outlet seals to bottles with openings 17.8 cm (0.7 in.) ID to 48.3 cm (1.9 in.) OD

Vacuum port adaptor
4.8 - 7.9 mm (3/16 - 5/16 in.) tapered hose barb

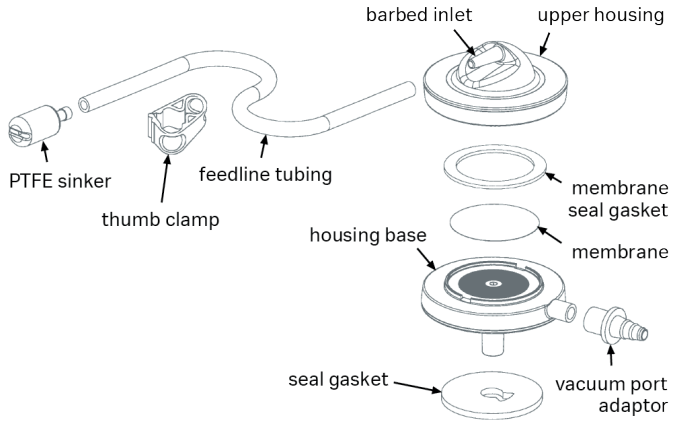
Maximum vacuum
64 cm Hg (25 in. Hg)

Operating temperature
Ambient; not to exceed 38 °C (100 °F); not autoclavable

Chemical compatibility
500 mL of each of the following HPLC-grade solvents — water, acetonitrile, methanol, tetrahydrofuran, hexane, and NMP — were passed through a new SolVac filter holder. Aliquots from each sample were tested for extractable materials under common HPLC conditions. None of the chromatograms exhibited any trace of extractables leached from the SolVac filter holder to the final sample.

Ordering information

Part number	Description	Pkg
4020	SolVac filter holder with 61 cm (2 ft.) feedline tubing, sinker, vacuum port adaptor, thumb clamp, 2 membrane seal gaskets, and 2 seal gaskets	1/pkg
4022-N	122 cm (4 ft.) replacement feedline tubing	1/pkg
4023-N	Replacement seal gaskets	10/pkg
4025-N	Membrane seal gasket kit	10/pkg
4026	Sinker replacement kit	2/pkg
4028	Clamp replacement kit	2/pkg



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