

Filtration Unit

for Aqueous/Organic FFF Eluents



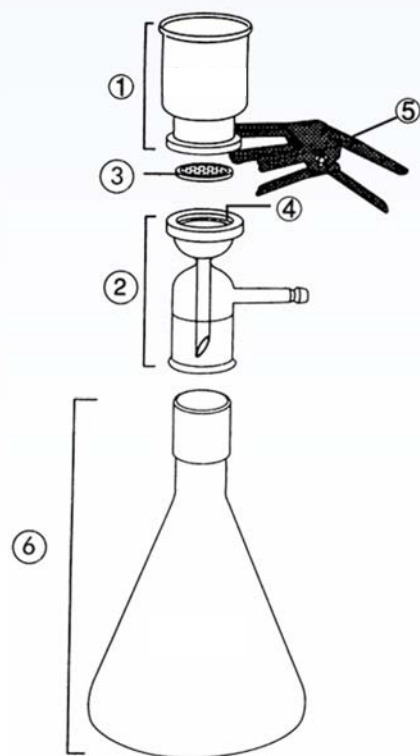
Efficient Solvent Filtration for FFF

Postnova Filtration Unit

Postnova Filtration Unit for usage together with Postnova FFF Systems

Features

- 1) Glas Filtration System for 47 mm filter discs, 1 L vacuum bottle
- 2) Vacuum pump, Hostalen/Teflon, Max. Vacuum 200 mbar, pressure 2.4 bar, 4 mL/min, including 70 cm silicone tubing
- 3) Additional vacuum tubing
- 4) Teflon Filter discs, for FFF, 0.1 µm pore size, diameter 47 mm, 100/PK
- 5) Inerte Adsorption material for filtration of organic solvents and for the removal of Water, Acids and other contaminants (for organic solvents only)



Vacuum filter for aqueous, organic and corrosive liquids for particulate contamination analysis. Also recommended for HPLC solvent filtration.

Borosilica glass parts in contact with liquid, with ground glass sealing surfaces. Vacuum connectino to integral base and flask cap is above filtrate exit level, avoiding drawing filtrate into vacuum tubing. Do not use this filter holder with flammable liquids.

- 1) Glass funnel, 300 mL, borosilicate
- 2) Glass base & Cap, 47 mm
- 3) Support screen, 47 mm, stainless Steel
- 4) Gasket, PTFE
- 5) Spring clamp, 47 mm, aluminium
- 6) Ground joint flask, 1 L



Vacuum/Pressure Pump

For flow rates of up to 37 L/min.

The Chemical Duty Pump has a chemically-resistand head and diaphragm for use with corrosive chemicals and solvents.

Pump comes together with 70 cm of 1/4" tubings as a Millex FA50 filter for in-line moisture protection. Pump is UL listed and CE marked.

Specifications

Vacuum Filter

- Wetted Materials: Borosilicate glass funnel, base and tubulated cap, anodize aluminium spring clamp, fritted glass filter support.
- Filter Diameter: 47 mm
- Filtration Area: 9.6 cm²
- Capacity: Funnel: 300 mL
Flask: 1 L
- Outlet Fitting: 6 mm (1/4 inch) OD tubulated cap sidearm to vacuum
- Dimensions: Height: 43 cm
Diameter: Flask 14 cm, Funnel 7.6 cm

Vacuum Pump

- Maximum Vacuum: 813 mbar (24 in. Hg)
- Maximum Pressure: 2.45 bar (35 psi)
- Maximum Flow Rate: 37 L/Min. (1.3 CFM)
- Materials of Construction: Cast Aluminium
- Weight: 4.1 kg
- Dimensions: 17.8 x 17.8 x 20.3 cm (HxWxL)
- Connections: 1/4" stepped hose barb

Ordering Information

- | | |
|---------------|---|
| S-SOL-FIL-001 | Solvent Filtration System for aqueous/organic Liquids |
| Z-FIL-TEF-002 | Membrane Filter Discs, 47 mm, 0.1µm, 100/PK |

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