

User Guide

Solvent Filtering Dispenser

XX6602500

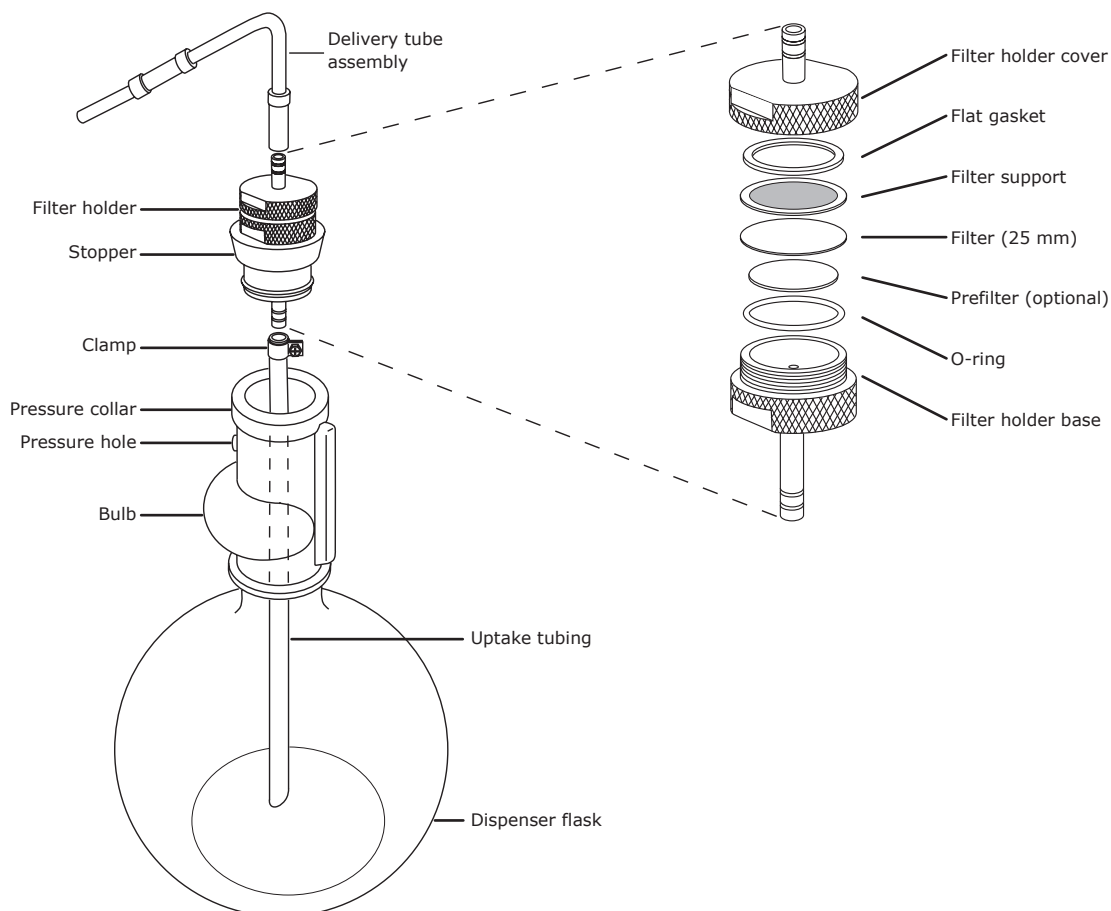
Introduction

The 25 mm Solvent Filter Dispenser is a glass dispensing bottle with a specially designed squeezable rubber bulb and built-in filter holder. The filter holder can be loaded with any pre-cut 25 mm filter and is fitted with a delivery tube that allows small volumes of filtered solvent to be directed against surfaces.

This hand-operated filtering dispenser can be used for rinsing small parts, pre-cleaning filters and filtration hardware, or rinsing scattered particles onto the surface of a test filter for easier examination and analysis.

Components

Not Shown: Wrenches



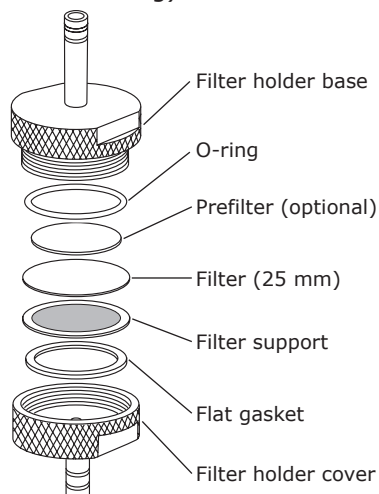
Assembly

Tools required: Adjustable wrenches for tightening filter holder and tubing clamp

1. Remove components from box and lay out on bench.
2. If desired, disassemble and clean components before first use as indicated in Maintenance section.
3. To load the filter holder, unscrew the filter holder cover from the filter holder base, using wrenches if necessary.
4. Remove the O-ring, filter support screen, and flat gasket.
5. Inspect the gasket, O-ring, and sealing surfaces for damage; imperfections can cause leaks during filtration. Replace damaged parts if necessary.

NOTE: The filter holder can be assembled as oriented in the Components drawing, but it is easier to align all components if the assembly is flipped upside down and the components loaded into the filter holder cover, as shown below.

6. Place the flat gasket in the filter holder cover and place the filter support screen on top of it.
7. Using smooth-tip forceps, place a 25 mm diameter filter on the filter support screen, then place the O-ring on top of the filter. If a depth-type prefilter (22 mm) is required to extend the life of the final filter, center the prefilter disc on top of the final filter before adding the O-ring.
8. Screw the base down into the cover and tighten firmly with the wrenches so that the filter is securely sealed. If the filter holder is already in the stopper, use an adjustable wrench to hold the base while tightening the cover with the supplied wrench.
9. If not already assembled, insert the filter holder into the rubber stopper and add the uptake tubing to the end of the filter holder protruding through the stopper. Slide the clamp around the tubing and tighten it.
10. Fit the delivery tube assembly over the fitting on the filter holder cover and align it with the pressure hole above the bulb (refer to Components drawing).



Operation

1. Remove filter holder/stopper assembly and fill the dispenser bottle with the required solvent. Firmly seat stopper assembly in pressure collar. Make sure that the uptake tubing extends to the bottom of the liquid, but is not so long that it pushes the filter holder/stopper assembly out of the pressure collar. If necessary, shorten the tubing.
2. To dispense fluid, place the index finger over the pressure hole and pump the bulb until fluid flows from the delivery tube. Once the bottle is pressurized, flow will continue until the pressure hole is uncovered.

NOTE: Occasionally a pocket of air may collect below the wet filter, blocking passage of fluid. To alleviate this air-lock, loosen the filter holder cover by one turn while maintaining pressure in the bottle. When the fluid starts to leak around the holder threads, re-tighten the holder cover.

Maintenance

Clean the Solvent Filtering Dispenser regularly. Frequency of cleaning will depend on the level of contamination in the fluid being filtered.

Filter Holder

1. Remove the filter holder/stopper assembly from pressure collar of the dispenser. For thorough cleaning, detach the delivery tube assembly, then loosen the clamp and remove the uptake tubing from the filter holder base. Disassemble the filter holder, using supplied wrenches.
2. Inspect all filter holder components for signs of damage. Debris embedded in PTFE surfaces can sometimes be dislodged without injuring the surface, but it is preferable to replace the O-ring or gasket.
3. Clean all components thoroughly with a sponge, hot water, and a nonabrasive laboratory detergent. Scrub threaded parts, recesses, and orifices with a stiff bristle brush and use a pipe cleaner to remove contaminants from inlet and outlet orifices.
4. Rinse all parts thoroughly with hot running water, then rinse several times with laboratory-grade water.
5. Allow the components to air dry while disassembled.

CAUTION: Do not wipe dry with paper or cloth, as this leaves fibers and lint on the surfaces and also generates electrostatic forces that can attract more dirt. Filtered compressed air can be used to facilitate drying.

Delivery Tube Assembly and Uptake Tubing

1. Clean delivery tube assembly and uptake tubing with a solution of hot water and laboratory detergent. Rinse thoroughly with hot running water, then rinse with laboratory-grade water.
2. Allow to air dry.

Dispenser Bottle

1. Hand wash inside of bottle with a solution of hot water and laboratory detergent, and a bottle brush. Rinse thoroughly with hot running water, followed by a laboratory-grade water rinse. Avoid getting liquid in the vent hole on the pressure collar.
2. Allow to air dry.

Specifications

Filter diameter	25 mm
Prefilter diameter	22 mm (thick depth prefilter)
Effective filter area	Approximately 4.1 cm ² (0.64 in ²)
Bottle capacity	1 liter
Dimensions	
Height:	Approximately 34 cm (13.4 in.), including delivery tube
Bottle diameter:	Approximately 13 cm (5.1 in.)
Materials of construction	
Flask, delivery tube assembly nozzle and elbow:	Borosilicate glass
Filter holder:	316 stainless steel
Pressure collar:	Neoprene rubber, stainless steel inserts
Rubber stopper:	Neoprene rubber
O-ring, flat gasket, and tubing:	Polytetrafluoroethylene (PTFE)
Tubing clamp:	304 stainless steel
Wrenches:	Glass-filled nylon

Statement Regarding Compliance with the Pressure Equipment Directive, 2014/68/EU

We certify that this product complies with the European Pressure Equipment Directive, 2014/68/EU of 15 May 2014. This product is classified under Article 4 § 3 of the Pressure Equipment Directive. It has been designed and manufactured in accordance with sound engineering practices to ensure safe use. The product is accompanied by user instructions and bears markings to permit identification of EMD Millipore Corporation as the manufacturer or authorized representative of this product within the European Community. In compliance with Article 4 § 3 of the Pressure Equipment Directive, this product does not bear the CE mark.

Product Ordering

Purchase products online at SigmaAldrich.com/products.

Description	Catalogue No.
Solvent Filtering Dispenser <i>Includes flask with pressure collar, 25 mm filter holder, delivery and uptake tubing</i>	XX6602500

Replacement Parts

Flask/bulb assembly <i>Includes flask with pressure collar, neoprene stopper, uptake and delivery tubing</i>	XX6602501
Flat gasket, PTFE (10/pk)	XX3002502
Support screen (1/pk)	XX3002510
25 mm Filter Holder Replacement Parts Kit <i>Includes O-ring [2], flat gasket [2], support screen [2], wrench [2]</i>	XX30025RK

Accessories

MF-Millipore™ mixed cellulose esters filter, 25 mm, (100/pk)	RAWP02500
Filter forceps, stainless steel, blunt end (3/pk)	XX6200006P

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