



SYRINGE ASSEMBLY

CODE 1050

QUANTITY	CONTENTS	CODE
1	Syringe, plastic, 60 mL	0943
1	Filter Holder, 25 mm	0598
1	Check Valve	27760-01
1	Adapter, plastic, white	27197-01
1	Tygon Tubing, 36" long	1175

AVAILABLE SEPARATELY, NOT INCLUDED WITH UNIT

1 Box	Filter Paper, 2.5 cm, 100/box	0947
1 Box	Filter Paper, glass fiber, 2.5 cm, 100/box	1157
1 Set	Membrane Filter (0.45 micron), 6/set	1103-6
1 Box	Membrane Filter (0.45 micron), 100/box	1103

This apparatus may be used for a variety of filtering and dispensing applications. For standard filtration, use the regular filter paper (0947). For finer filtration, use the glass fiber filter paper (1157). Use the membrane filter (1103) in EPA-approved test procedures.

To order individual components, use the specified code number.

ASSEMBLY

1. Unscrew the cover of the filter holder (0598) and install a filter disc in the holder. Position the disc carefully to avoid by-passing the filter. If a membrane filter is used, install a support pad in back of the membrane disc. Replace the cover.
2. Screw the tip of the syringe (0943) into the non-threaded end of the check valve (27760-01).
3. Insert the threaded end of the check valve into the larger opening in the filter holder.
4. Depress the syringe plunger to the zero (0) position. Use the plastic adapter (27197-01) to attach the Tygon tubing (1175) to the side arm of the check valve. Submerge the free end of the tubing in the water sample to be filtered.

PROCEDURE

1. Place the end of the tubing into the sample. Slowly pull the plunger out and draw the sample into the syringe. Fill to the 50 mL mark.
2. Press plunger to expel the sample through the filter into a beaker or flask. Do this slowly without extra pressure to prevent rupturing the filter disc.
3. If additional water must be filtered, repeat Steps 1 and 2 until the desired volume is collected.
4. When filtration of a sample has been completed, remove the filter holder, then the check valve/tubing assembly, and then the syringe plunger. Unscrew the cover from the filter holder and discard the filter disc. Carefully wash and rinse all parts of the apparatus.

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PO Box 329 • Chestertown • Maryland • 21620 • USA
800-344-3100 • 410-778-3100 (Outside U.S.A.) • Fax 410-778-6394
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