Swinnex Filter Holders

3A150

SX00 013 00
SX00 025 00
SX00 047 00

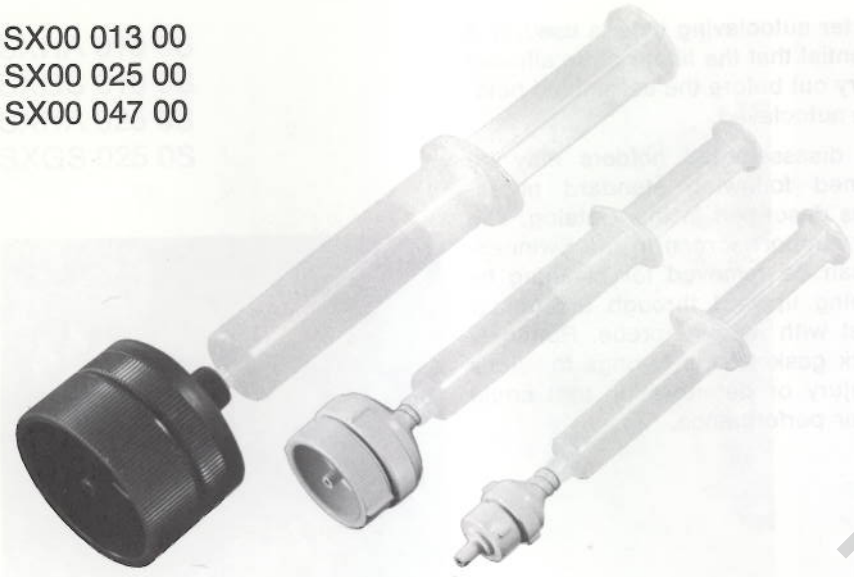


Fig. 1.



Fig. 2.



Fig. 3.



Fig. 4.

Function

Cleaning or sterilizing small volumes of liquid dispensed by hypodermic syringe, such as radioactive tracers, photoresists, ophthalmic solutions, allergenic extracts. End-point filter in filling machines and in I.V. sets for on-patient use. Air, gas, and critical fluid filtration at point of use, for many aerospace and electronic applications.

Filter diameters required are 13 mm for the Swinnex-13, 25 mm for the Swinnex-25, and 47 mm for the Swinnex-47. If desired, a Microfiber Glass prefilter disc may be placed on top of the filter in the same holder to reduce the filter clogging rate. For sterile applications, the holder can be assembled with a filter in place, and then autoclaved.

Operation

Swinnex-13 and Swinnex-25 holders contain silicone gaskets, which normally drop out when the two halves of the holder are unscrewed. Using unserrated-tip forceps, center the filter on the holder support screen, place the gasket on top of the filter (Fig. 2), then replace and tighten the top of the holder. If a prefilter is used in either of these units, it must first be fitted inside the gasket and this combination then placed on top of the filter (Fig. 3). The gasket seals the holder against leakage when these holders are securely hand tightened.

The Swinnex-47 has an O-ring seated in the top half of the holder. Check that this O-ring is in place, and position the filter on top of it (Fig. 4). Holding the top half upside down, replace the bottom half and tighten, finger tight at first, then using the special wrenches supplied with this holder. Do not turn the holder upright again until it is completely tightened. If a prefilter is used, center it within the O-ring and place both in the inverted top half of the holder before installing the filter itself as above.

Swinnex-13 and Swinnex-25 holders have female Luer-lock inlet and male Luer slip outlet connections, to accept syringes and hypodermic needles. The Swinnex-47 holder has a combination female Luer and male ¼" NPT inlet connector, and a combination female Luer and stepped hose-type outlet connector, to accept either syringes and hypodermic needles, or threaded inlet and flexible hose outlet attachments. The outlet orifices of the Swinnex-25 and Swinnex-47 holders are protected by bell enclosures, to prevent external contamination of containers during the filling operation.

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