Sorensen

SGX Series 3U Snap On Air Filter

Operation Manual Addendum

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1
OVERVIEW

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1.1   ADDENDUM SCOPE

This addendum describes the SGX 3U Snap On Air Filter installation and maintenance.

1.2   REFERENCE DOCUMENT

Standard SGX Operating Manual, M551600-01, Rev-E

1.3   GENERAL DESCRIPTION

The Sorensen SGX 3U Snap On Air Filter provides an easy method to attach an air filter to existing SGX 3U models. The Snap On Air Filter conveniently installs on the front of the unit without tools or need to remove the power supply from its installed location.

1.4   SPECIFICATIONS

The following provides the electrical and physical characteristics for the SGX Snap On Air Filter.

1.4.1   ELECTRICAL CHARACTERISTICS

Not Applicable.

1.4.2   PHYSICAL CHARACTERISTICS

Figure 1-1. SGX 3U Snap On Air Filter

1.4.2.1 DIMENSIONS

Width: 18.24 in (463.31 mm)
Depth: 1.74 in (44.17 mm)
Height: 5.20 in (132.04 mm)

1.4.2.2 AIR FILTER HOUSING MATERIAL

CYCOLOY C2800 Polycarbonate/Acrylonitrile Butadiene Styrene (PC/ABS).

1.4.2.3 FOAM FILTER MEDIA MATERIAL

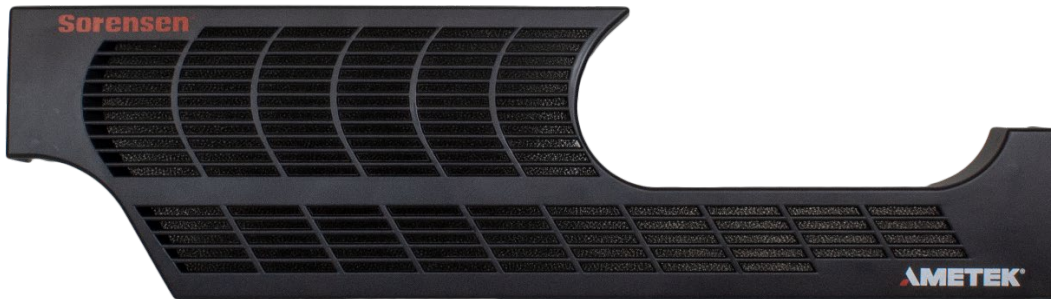10 PPI, 1.75" (44.45 mm) thick, UL 94/HF-1 Flame Retardant Reticulated Polyurethane foam.

2.1 INSTALLATION INSTRUCTIONS

Unpack the materials from the shipping kit to ensure that the following items are included:
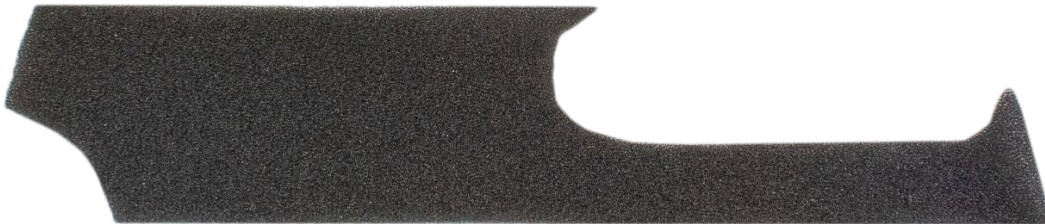
1. SGX 3U Snap On Air Filter, P/N: 9551511-01R with installed Foam Filter Media, P/N: 9551521-01R.

2. Clear tubing, two pieces, P/N: 5551524-01R.

3. 4-pack of replacement clear tubing, P/N: 5551525-01R.

4. 10-pack of replacement Foam Filter Media, P/N: 5551521-01R.

2.1.1 SNAP ON AIR FILTER INSTALLATION

The SGX 3U Snap On Air Filter does not require any tools for installation. Simply follow these steps for installation.

1. Install the clear plastic tubing over each of the rack mount handles on the SGX power supply. Each clear plastic tube is slotted so it can be easily slid over the rack mount handle.

2. Align the Air Filter with the front of the SGX power supply ensuring the large cut out area on the right-hand side aligns with the touch screen display on the SGX power supply.
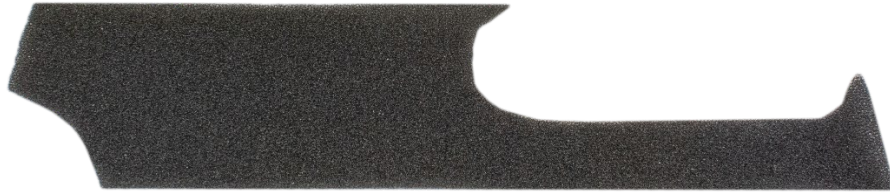

3. Snap the Air Filter onto the rack mount handles ensuring the left-hand side goes over the top of the left-hand rack mount handle, and right-hand side goes under the right-hand rack mount handle.

4. Make sure the Air Filter is fully seated and flush with the front panel of the SGX power supply. The installation is complete.

2.1.2 AIR FILTER MAINTENANCE

The foam air filter media should be inspected every six (6) months to ensure it is clean. Simply remove the Snap On Air Filter from the front panel of the SGX power supply and inspect the filter media. The filter media can be easily removed from the plastic Air Filter housing and cleaned with compressed air.

Replace the cleaned filter media into the Air Filter housing and reinstall it onto the front of the SGX power supply. There are several embedded hold-down tabs around the edges to hold the foam filter in place.

Ten (10) additional pieces of foam filter media and four (4) additional pieces of clear tubing are included in the kit for future use.

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