PLUS Filter Conversion Guide

BreatheSafe PLUS 550000, VoltAire PLUS 550001

SWP for PLUS Filter Conversion on Variable Speed Pressuriser

This SWP does not necessarily cover all possible hazards associated with this equipment and should be used in conjunction with other references. It is designed as a guide to be used to compliment training as a reminder to users prior to equipment use.

Part number: 550000 (BreatheSafe PLUS) & 550001 (VoltAire PLUS)

Purpose: To provide instruction on the equipment required and procedures to change HEPA filters following best practice guidelines.

Scope: Safe work procedures for all facilities, maintenance and contractors in the safe methods to replace new filters and discard old filters.

Precautions: Potential Health and Safety Hazard wear PPE / RPE. Utilise HEPA vacuum to clean - NEVER A BRUSH. Hazard = airborne dust settled in filter and filter housing. Understand the airborne substance and dust contamination within the associated components. De-energise system prior to replacement.

PPE:

- Safety glasses must be used in the work area.
- RPE must be worn in the work area (P2 or PAPR).
- Safety rubber boots must be used in the work area (non-slip).
- Gloves.





After Replacement: Must test cabin pressure, cabin sealing and record dates to BreatheSafe service sticker.

Conversion Kit Contains:

- x1 Filter cap with latches
- x1 PLUS filter element
- x2 Rubber seals
- x1 Filter housing
- x1 O ring
- x4 Bolts
- x16 Washers
- x4 Nuts

Register your machine with the new PLUS filter.

Conversion Guide:



Check the conversion kit contains all required components.



Ensure the system is de-energised, disconnect the Deutsch plug.



Remove any shrouding and brackets on the pressuriser, disconnect the 3” duct from the pressuriser.

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Conversion Guide:



Lift the locking tab on the side of the current filter cap. Rotate the filter cap anticlockwise away from the filter housing.



Place the used filter in a plastic bag, seal and dispose.



Remove the through-bolts from the existing filter housing using a 13 mm wrench / impact driver. Remove existing filter housing and discard.



Remove the O ring from the existing motor housing and replace with the new O ring from the kit.



Fit the new filter housing in place.



Refit the existing metal brackets in position. Fit the through-bolts and tighten to 14 Nm (10.33 ft-lb) using a calibrated torque wrench. Do not over-tighten, risk of damage.



Fit one of the supplied seals into the filter housing spigot. Ensure the flat base is in first. Press the seal firmly into position and ensure it is seated correctly.



Place the second supplied seal into the new filter cap spigot. Ensure the flat base is in first. Press the seal firmly into position and ensure it is seated correctly.



Install the new PLUS filter with the open end directed towards the filter housing spigot.



Press the filter firmly into the housing to ensure the seal is correctly engaged.



Fit the filter cap in place. Lift locking tabs, rotate the cap clockwise and push the tabs down to secure.



Refit pressuriser, connect and secure duct to 3” spigot. Reconnect Deutsch connector and test operation.