
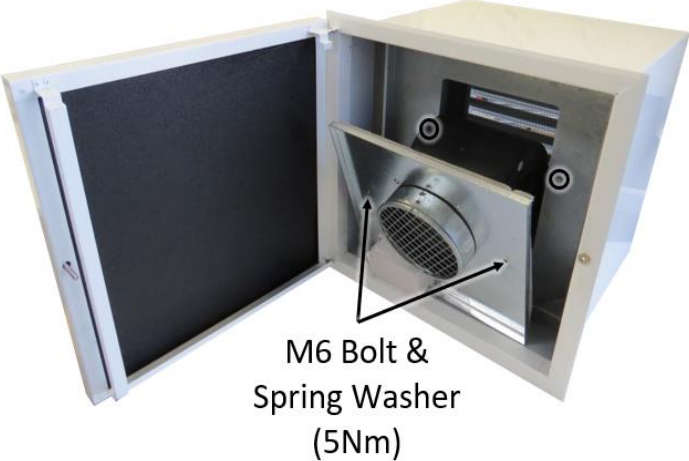
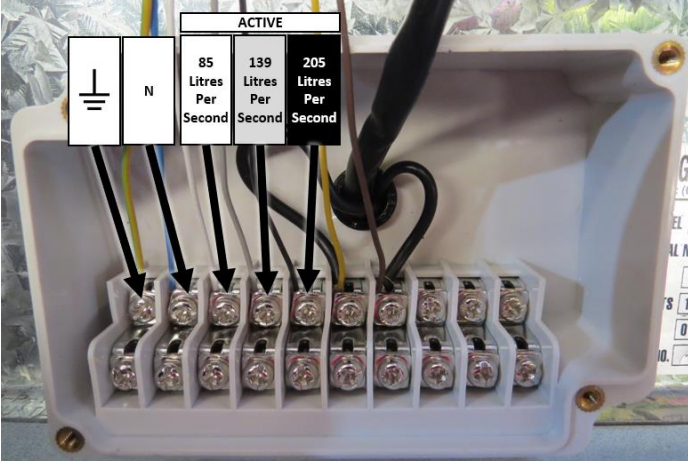
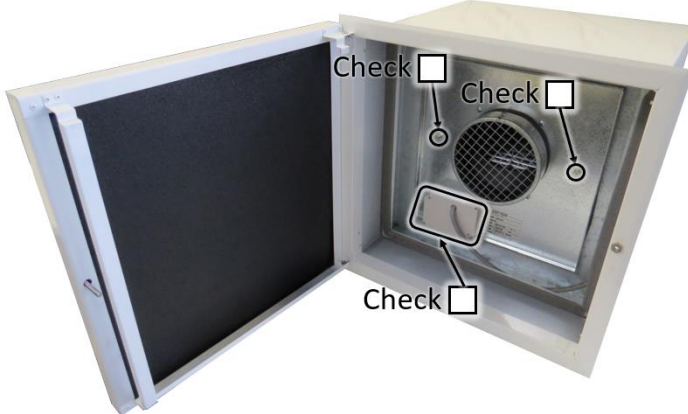
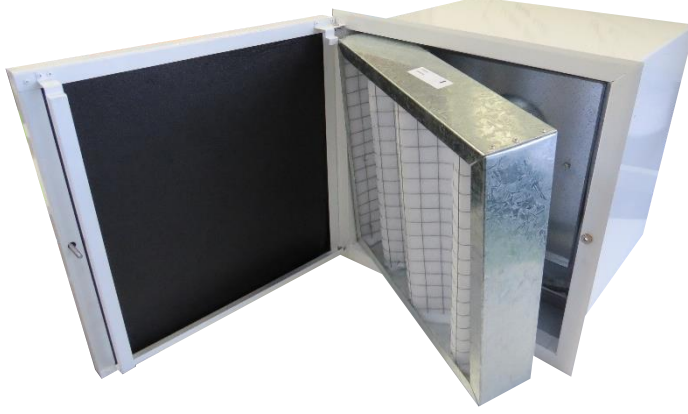


## Fresh Air Supply Unit Motor Installation Guide

Sigrist Design Fresh Air Supply Unit's (FASU) are supplied with an easily interchangeable motor unit. This aids pre installation of the Fresh Air Supply Unit housing, for expedited job scheduling and for easy replacement of the motor assembly over its life cycle. The below guide is designed to help with install and replacement of the motor assembly. All work should be completed whilst the room is vacant, and all electrical equipment and potential energy sources isolated prior to beginning. Work to site specific conditions and policy. All FASU units installed as per the relevant standards and guides, will be eligible for the standard warranty period and conditions.

Step Number	Step Photo/Description	Details
<p><b>1</b></p>	<p>Kit List-</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Tick - 1 X Motor and Plate Assembly -</li> <li><input type="checkbox"/> Tick - 2 X M6 Bolts</li> <li><input type="checkbox"/> Tick - 2 X Spring Washers</li> </ul> <p>Tool List-</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Tick - 1 X 10mm Spanner</li> <li><input type="checkbox"/> Tick - 1 X 4mm Hex Key</li> <li><input type="checkbox"/> Tick - 1 X Small Phillips Screw Driver</li> </ul>	<p>Check that kit contains the follow parts.</p> <p>Check that tools required are easily accessible.</p> <p>Ensure all relevant safety and processes or site policy are followed and complied with.</p>
<p><b>2</b></p>		<p>Isolate the all electrical and store energy sources.</p> <p>Undo the button headed hex screw using the 4mm Hex Key.</p> <p>Open the front door of the fan to access the filter.</p> <p>To remove the filter, slowly pull it out of the fan casing.</p>
<p><b>3</b></p>	 <p>M6 Bolt &amp; Spring Washer (5Nm)</p>	<p>Place motor into opening in the centre plate inside the FASU housing, ensuring that the junction box is downward most.</p> <p>Align the motor support plate bolt holes and install the two M6 bolts with spring washers.</p> <p>Tighten the two M6 bolts (5 Nm/4 ft-lbs) using the 10mm Spanner.</p>

Step Number	Step Photos	Details
4		<p>Open the junction box and connect wires to the correct position for required speed of the fan (see building specification), penetration of the junction box for cabling access will be required. A wiring diagram is also provided on the inside of the junction box cover, for additional guidance.</p>
5		<p>★Quality Check Point★</p> <p>Check the motor mounting bolts are torqued (5 Nm/4 ft-lbs) using the 10mm Spanner.</p> <p>Check that the junction box is correctly wired and securely closed.</p>
6		<p>Re-install the filter, by slowly pushing it back into the housing.</p> <p>Close the front door of the fan.</p> <p>Tighten the button headed hex screw using the 4mm Hex Key (3 Nm/2 ft-lbs).</p>