



Safe Change Instructions

It is very important that these instructions are read, understood and carefully followed when replacing HEPA filter elements

Care must be taken during this operation not to puncture or pull away the safe change bag. For safety reasons EMCEL Filters Ltd strongly recommend that a suitable platform, of the correct height, is used when performing this safe change procedure. It is also recommended that operators should wear isolation suits as a precaution.

Shut off airflow and ensure that the system's internal pressure has equalised with external pressure.

Remove the access door by unscrewing all the hand knobs. An existing, rolled up safe change bag will be found already fitted. Completely unroll this existing safe change bag.

Working through the bag, fully lower both cam bars. Carefully withdraw the contaminated filter element from the unit and manipulate the safe change bag, in a concertina fashion, until the filter element is correctly positioned at the end of the bag.

Seal the bag in two places approx 75mm apart, using either cable ties or a heat sealer. Carefully cut between the cable ties or heat seals. The contaminated filter is now sealed and detached. If using cable ties, place this filter (sealed in the bag) into another new bag and seal with another cable tie, this is not necessary when using the heat seal method. The contaminated filter is now ready for disposal. The remaining part of the bag & retaining ring **must** be left in position on the unit.

Place the new replacement filter element inside a new safe change bag. Locate the new bag over what remains of the old bag and old retaining ring, onto the inner most groove & secure with a new retaining ring.

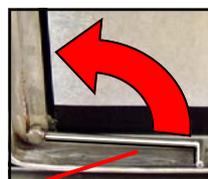
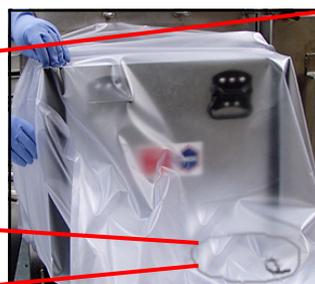
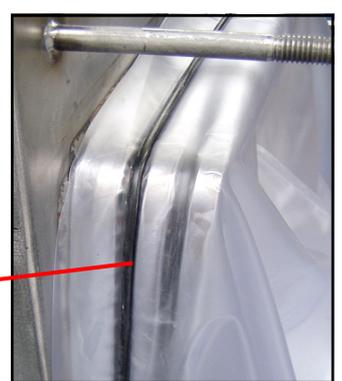
Working through the new bag, remove the remains of the old bag and old retaining ring from the unit. Manipulate these items past the filter element to the end of the new bag.

Position the remains of the old bag and old retaining ring at the very end of the new bag. These remains will stay in the end of the bag and be disposed of when the next new filter / bag is fitted.

Slide the new filter element, with seal uppermost, into the unit, ensure that the bag is not trapped between the element and the body of the unit. **Both cam bars must now be raised into the operating position.**

Carefully move the new bag and new retaining ring from the inner groove to the outer groove on the unit. This procedure makes the unit ready for the next time the filter element requires replacement.

Roll up the excess of the new bag and stow inside access door. Replace access door and screw up the hand knobs. Repeat this Safe Change operation on the remaining filters.



Cam bar shown without bag in place

