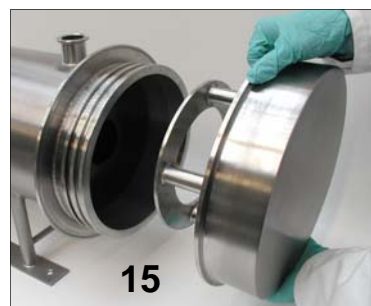
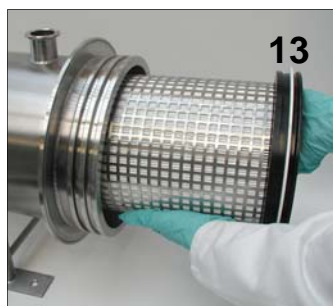
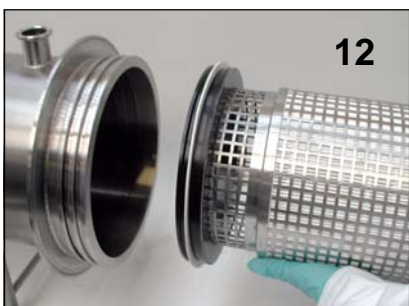
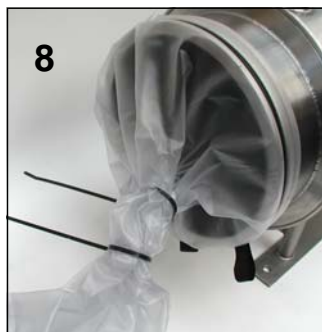


FILTER CHANGING INSTRUCTIONS. EMCEL Safe-Change Units (Push, Push) ATEX





FILTER CHANGING INSTRUCTIONS

EMCEL Safe-Change Units (Push, Push) ATEX

BEFORE YOU START CHANGING THE FILTER

Two personnel and the following parts and equipment will be required before starting to replace the filter in the safe-change unit:

- 1 Replacement Filter
- 2 New Safe-change Bags
- 1 New Retaining Ring
- 4 Heavy Duty Cable Ties
- A large pair of sharp scissors



CHANGING THE FILTER

Shut off the air flow through the unit.

Allow the internal pressure of the unit to balance with the external pressure.

Remove both end-caps by undoing and removing clamps **(1)**. End-caps must be supported during this operation. **It is very important to note that the end-caps are different and must be refitted to the correct ends of the unit. The larger, engraved, end-cap holds the safe-change bag (2) (3).**

An existing safe-change bag will now be visible, fitted in the end of the unit **(4)**.

Working through the bag, carefully pull the filter element out of the unit. Remove the contaminated filter in stages. As the filter is removed, manipulate the bag over the contaminated filter, so that finally the filter is positioned at the end of the bag **(5) (6) (7)**.

Seal the bag with two heavy duty cable ties (approx 50mm apart) as close to the housing as possible. With scissors, cut the bag between the cable ties. **(8) (9) (10)**. **Leave the remnants of the bag on the unit.**

Take the contaminated filter, sealed in the bag, and place inside one of the new spare bags. Fold over the open end of the bag and seal with another cable tie. This bag and its contents (the contaminated filter sealed in the first bag) should now be disposed of safely.

Working from the other end of the unit, push the existing fitted filter into the unit by approx 200mm. Push a new filter into the unit (spacer end first) until it butts up against the other filter. Continue pushing until the new filter is contained within the unit by approx 50mm. **(11) (12) (13) (14)**.

Select the correct, end-cap. Push the end-cap into the unit until the flange mates up with the seal. The spacer on this end-cap will push the filters to the correct position within the unit. **(15) (16)**. Ensure the seal is undamaged and correctly positioned then refit end-cap and tighten the retaining clamp **(17)**.

Returning to the other end of the unit, carefully move the retaining ring and the remnants of the old bag to the outermost groove on the unit **(18)**.

Fit the open end of the new bag to the innermost groove on the housing, over the remnants of the old bag and old retaining ring. Secure the new bag in place with the new retaining ring. The remnants of the old bag & old retaining ring will now be sealed within the new bag **(19)**.

Working through the new bag, remove the old retaining ring and the remnants of the old bag from the unit and manipulate these old items to the end of the new bag. **(20) (21)**.

Carefully move the new retaining ring and the new bag to the outermost groove on the unit. This procedure ensures that the bag and retaining ring are in the correct groove when the filter is next changed.

Gently roll up the excess material of the new bag and stow it inside the end of the filter element. Ensure that the remnants of the old bag and retaining ring filter are neatly stowed within the end of this filter. **(22)**.

Ensure the seal is undamaged and correctly positioned then refit the engraved end-cap and tighten the retaining clamp **(23)**.

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