

Operation			
FOR FILTERBAGS WITH MEMBRANE			

1. GENERAL

This document gives a brief description of the installing procedure for filter bags fitted with ePTFE membrane in order to preserve their performance and to avoid damages and abrasions on the dust side of the bags during this operation.

The filter bag's top-cuff is realized with a sewn-in expansion steel ring (snap-tes) which allows the bag to "snap" into its plate hole for an easy installing with no need for any tool.

The sealing effect between filter bag and plate is achieved through the radial force produced by the steel ring into the plate-holes.

2. INSTALLATION INSTRUCTIONS

Before starting the installation of the new set of bags, proceed with these preliminary actions:

- 2.1. remove air distribution pipes by loosening blocking screws.
- 2.2. Remove all the used filter bags and cages from the filter. After bags removal, thoroughly cleanse the clean air compartment of the collector.
- 2.3. Inspect the cages to be used for any obvious bent wires, burrs or rough spots. If any are found, set the cage aside for later repairs (such as sanding smooth any rough spots or straightening of bent wires) or replace it. Any cage that contains broken wires must be fixed by welding or discarded.
- 2.4. Carry the shipping boxes unopened up to the collector to prevent the bags from being dropped, dragged or walked on, and place cardboard or substitute on the floor as protective layer where the unpacking will take place. Do not use any cutter to open the boxes but simply remove the tape.

To ensure the correct installation of filter bags, follow for each bag (one by one) the operations listed in the pictures below:



Pict. 1 – Insert installation sleeve through the tube sheet hole



Pict. 2 - Remove the bag from its protective bag and fold it slightly to make it easier to insert it



Pict. 3 - Insert the new bag gently inside the protective sleeve



Pict. 4 - Take up the protective sleeve with your left hand



Pict. 5 - Slide the protective sleeve over your right forearm using your left hand



Pict. 6 - Take the top of the bag between your two thumbs and position it correctly on the decking



Pict. 7 - Check that the snap-ring is in the correct position against the perforated plate by placing your hand inside the bag



Pict. 8 - Insert the filter cage gently on the axis of the bag by using the gloves to slow down the descent



Pict. 9 - Hold the cage until it reaches its final position

Once all the bags have been installed, verify that:

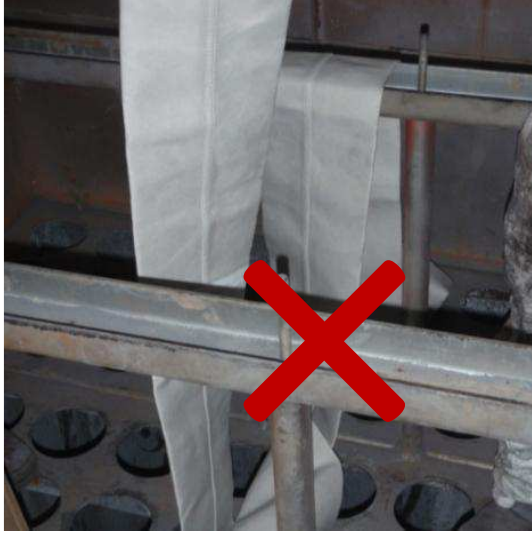
2.5.bags and cages have a correct fitting

2.6.the whole weight of the assembly bag-cage is supported by the plate (and not by the bag)

At the end of the operation, reassemble the cleaning system checking the correct re-positioning of air distribution pipes before the re-start of the plant.

3. WARNINGS

Actions to be absolutely avoided during the whole installing procedure of the bags:



Do not leave the new bags lying around outside their protective bag.



Do not insert the new bag in the perforated plate without using the protective sleeve.



Do not walk on a new bag.



Do not walk on the top of the bags which have just been installed.

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