Recommended Installation Procedure - Tetratex® Filter Bags

Pulse Jet Design

For optimum performance to be achieved, it is vital that filter bags be installed correctly and that recommended procedures be followed. Mistakes made during the installation can significantly impact on the effective life of a set of filter bags.

TETRATEGX® PTFE membrane bags are manufactured to exacting standards and it is recommended that the bags be installed as follows:

1. Remove all bags and support cages from the filter unit. Care should be taken to avoid damaging the cages as broken wires and bent cages can cause premature bag wear.

2. The clean side of the filter should be thoroughly cleaned down and all remnants of particulate and other matter removed. The cell plate holes should be checked to ensure they are completely clear and that an effective seal will be possible.

3. It may be necessary to inspect the “dirty” side of the filter at this point to ensure there are no excessive build-ups of dust on walls or internal supports and diffusers.

4. The new bags should remain in the protective cases and should only be unpacked once they are close by the area of the cell plate into which they are to be installed. Avoid throwing the bags or dragging them across the rough surfaces.

5. Bags should be installed using the protective sleeve (see Fig. 1). A number of these should be supplied with the bags. Only the bag (NOT the bag on the cage) should be installed at this moment.

6. Place the neck of the sleeve into the cell plate hole, pushing it down and ensuring there is no part of the cell plate visible.

7. Once the sleeve(s) are in place, carefully feed the bag through the hole until only the last 300mm remains (Fig. 2).

8. Remove the protective sleeve over the top of the bag (Fig. 3).

9. Install the seal of the bag into the cell plate in accordance with the filter requirements.
To Fit Snap-Band Type Bags

10. Deform the bag seal into a kidney shape using the thumbs of both hands. Insert the grooved edge furthest away from you and push into the bag seal.

11. Gently allow the bag seal to open into the hole ensuring the cell plate remains in the groove of the seal.

12. The seal should give an audible “click” when it is finally snapped into position. If fitted and sized correctly, it should not be possible to turn the bag seal in the hole by hand.

13. Cages should be fitted with care. They should be inserted vertically and they should not be allowed to “free-fall” into the filter bags. Lower by hand until fully inserted. Avoid allowing the cage to twist as it goes into the bag. Bag seams should be straight and parallel with the cage wires.

14. Ensure pulse pipes are fitted in the correct alignment and are centrally located over the bag.