

CTC Bag-In/Bag-Out Filter Systems

Engineering, Installation, Operating & Maintenance Bulletins

Your Air Filtration and Dust Collection Specialists.

Outdoor BIBO Filter System Service Considerations

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Service on a BIBO in an outdoor installation in Canada brings with it many special considerations, including:



Redundant B2-series (separate pre-filter door) BIBO on AIR exhaust application. Stacked filter arrangement with duct manifold in and duct manifold out to redundant fans.

- Filter service should be avoided in temperatures below 0°C for several reasons including:
 - a. PVC bags become very brittle in sub-zero temperatures, risking rips or tears during the Bag-in/Bag-out (BIBO) filter service,
 - b. Damper actuators can freeze and be damaged by ice or frost,
 - c. Damper seals can be torn when rotated if ice or frost has built-up on the seals or duct wall,
 - d. Ice and snow on the roof makes walking and filter handling tricky, maybe dangerous,
 - e. HEPA filter challenge testing, if required, is very difficult as challenge aerosols cannot easily be generated in sub-zero temperatures and photometer equipment can malfunction in the same low temperatures.
 - f. Gages, door knobs and other fittings can be frozen and malfunction or even break when servicing in sub-zero temperatures.
- 2. Windy conditions must be avoided because BIBO bags are difficult to handle and filters can be treacherous to handle.
- 3. It also goes without saying that filter service on rainy days must be avoided since filter medias and testing equipment need dry conditions in order to be safely operated.

RECOMMENDATION: ALL Preventative Filter Maintenance work should be scheduled during the Spring and Autumn months to take advantage of the temperate weather. (It's far better to change filters a little early than to be forced to service a BIBO filter system in the middle of January..... PLAN AHEAD.)