

BIBO Filter Switchover Procedure For 2N Redundant Filter Systems

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**CONTAMINATION
TECHNOLOGY**
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2N Redundant (Duty & Standby) BIBO filter systems would be switched-over periodically to equalize filter differential between the two filter systems and run hours between the duty and standby fan. IAS recommends switchover every 2-3 months, in accordance with hospital SOP's. Use the following matrix to perform the periodic switchover:

Redundant BIBO Filter Switchover Procedure (IAS Suggested Procedure/Checklist)	Differential Pressure ("wc)	Motor Frequency (Hz)
1. Confirm the online filter system (A or B) by checking the damper actuator indicators on the inlet/outlet dampers and by recording the filter differential pressure. (Also record the motor Hz of the online fan.)		
2. Open the inlet and outlet dampers on the standby system that you want to bring online, confirming that both actuator indicators are OPEN.		
3. If the fans are dedicated to a specific filter system, start the fan that is associated with the filter system that is being brought online.		
4. Record the filter differential pressure of the system being brought online. (If DP is zero check that both dampers are fully OPEN.) Likewise, record the motor frequency.		
5. Once you can confirm that the airstream is being handled through the system being brought online then you start to shut-off the first (A) filter system by shutting off fan (A) and then closing both dampers on (A) filter system.		
6. Check that both dampers are fully closed on (A) filter system and confirm by observing that the DP is zero.		
7. Record the DP of filter system (B) that was brought online. Likewise, record the motor/VFD frequency.		
8. If the fan is VFD-controlled then record the ____Hz on the VFD to compare to the filter differential pressure (DP).		
9. Check all gage lines, filter access doors and other ports on both filter system for correctness. If anything seems irregular or if the filter DP alarms, then switch back to the original system by reversing the procedure above, then record any alarms or corrective action required to the filter system.		
FILTER SWITCHOVER, DATE & TECHNICIAN (Date & Initial at right):		