

Bag Liner's in waste bins under negative pressure dust extractors

It is common to use a liner bag inside waste bins under dust collectors, when these are used under dust collectors that are considered negative pressure or clean side fan dust collectors there can be a negative side affect of the the bin liner not staying firm inside the bin, it can suck up and block the filters or rotary valves and dramatically affect the system performance.

What is happening?

The liner comes away from bin wall and continues to rise up into the filters taking dust with it and stoping the filters from breathing, this can happen on Wheelie bins also



How is it breaching the seal between the bin and the liner and how is it rectified?

Most common place that the seal is broken is on the top lid of the waste bin between the stitch welds. Easily fixed with all weather sealant (roofing silicone etc)



Drain plug if not sealed properly also causes liner rising, a bung should be fitted with a sealant



240lt Plastic bins can have cracks over time, and if liners are used the liner will suck up and block filters quickly



Clamping pressure is important to achieve an adequate seal



Ensure smooth surface on Top of bin, holes, slots, bent flanges, large weld lines, all can affect sealing



Still not sealing

In some circumstances a seal is too difficult to achieve, this is usually to do with the fan pressure being stronger than average or the system sometimes has most duct points closed which can create extra pressure in the bin overcoming the seal. If this is a regular occurrence after doing the above then we suggest using a vacuum line to evacuate the accumulating air breach. Please see below document or ask our staff about a bin vacuum attachment.

[240lt Bin Vacuum doc](#)