

Filter Belts

A Division of National Filter Media Corporation
WASTEWATER TREATMENT

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1-800-321-5223

Wash Water Maintenance Tip

Are your press belts not cleaning as well as you would like? Here are some things to check out to get optimum performance from your wash system. If your press belts have streaks of sludge still on the belt after traveling through the box then there are a couple items you can check and fix.

(1) Check spray nozzles. Effluent water will wear out the orifice or opening on a spray nozzle in about 5 years. You may see a nice fan shape spray coming out of the nozzle but no real pressure to back it up. Example: when you hold your thumb tightly over the end of a hose you can create a high pressure cutting fan. You can also hold your thumb not so tight and create the same fan, yet look the same as the high pressure fan. It is not an expensive process to change your nozzles and will be well worth your time. Check with your OEM for the proper nozzles needed for your press.

(2) Belt washwater pressure. Recommended pressure of at least (85 psig) on a continuous basis is needed to wash press belts. For applications in which oil and grease are present, a minimum (120 psig) water service is required. If water is not available at this pressure, a washwater booster pump is needed. The washing of the belts ensures that the gravity zone dewatering capability will be preserved; plugging of the pores in the belt will lead to poor dewatering of the sludge in this zone.

Feel free to call Filter Belts for any questions relating to your belt filter press.

Richard R Gallo, Product Manager
rgallo@nfm-filter.com