

# Drag Conveyor

## Hydropad Gutter Option

Hydropad drag conveyor is an optional automatic solids removal system that can be installed in any Hydropad above ground steel wash rack side gutter.

Hydropad drag conveyors can tolerate heavy soil loading with debris up to 1.5" in diameter.

Water and solids land on the top corrugated surface of the Hydropad wash rack array and flow or are washed into the side gutter. The conveyor transfers solids in the wastewater to one end of the side gutter for disposal into a waste bin. Clarified wash water flows to the opposite end of the gutter by gravity where it is collected in a sump tank and discharged with a pump.



The conveyor is fully enclosed to insure operator safety. Lockable hinged access doors over the gutter sections and bolted panels on the transition and elevator components allow quick access for service. The control system includes a variable frequency drive controller that allows precise adjustment of conveyor speed. Conveyor load is continuously monitored for overload and can automatically stop the conveyor. Because the gutter and conveyor are located outside the wash area and if walls are installed outside the spray control walls maintenance can be performed while the Hydropad array is in use.



A wedge wire screen, at the fluid discharge end of the Hydropad above ground steel wash pad gutter, filters fine solids that the drag conveyor scraps clean to remove as solid residue. A small above ground sump box and pump connects here to pump collected water to a recycle system or other discharge point.



Shown here is the solids discharge lift station where all collected solids are automatically removed from the side gutter. Water separated from solids flow to the opposite end of the Hydropad steel above ground wash pad and are pumped to a either recycling equipment or another discharge point.

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1. Specifications are effective 2017. 2. Specifications are subject to change without notice.