

ELGIN®



INDUSTRIAL PELICAN®

PATENTED FILTRATION SYSTEM



The key to the Pelican's superior waterless dust control, filtration capacity and ability to completely fill the hopper without the dust overwhelming the filter is the patented filtration system. Unlike systems that simply mount a filter in the hopper, the Pelican's integrated system uses the hopper as a key component in the dust removal process.

1. Powerful vacuum fan on sweeper creates air stream through debris hopper, conveyor and skirted areas.
2. Inward rushing air carries airborne dust into debris hopper where it settles out with rest of swept debris.
3. Majority of fugitive dust falls into hopper with only small amount of dust getting to filter because of torturous air flow path, that separates the air from the debris.
4. Hopper capacity is optimized and media filter is required to capture only minimal fugitive dust rather than entire dust load.
5. A long life, low maintenance dry filter element is installed between debris hopper and vacuum fan to prevent dust from being pulled from the hopper and blown out the vacuum fan exhaust.
6. When filter becomes loaded, it can be mechanically cleaned with on-board switch that activates cleaning system so sweeping can continue.



***PM10 Certified**
ISO-9001
Made in the USA