

WATER TREATMENT

VACUUM FILTRATION SYSTEM PORTABLE OR STATIONARY FILTRATION SYSTEM



Protecting the environment from wash water runoff and complying with governmental regulations is simple, economical and effective with the **Alkota Vacuum Filtration System (VFS)**. The **VFS** is designed to be used as a portable or stationary treatment system that guarantees results with ease of service while minimizing disposal cost. This automatic and easy to use zero or controlled discharge system has been uniquely designed to keep businesses operating without expensive filter cost, down time and additional manpower. The **VFS** can be equipped with a portable wheel kit for specific sight portability or with ease fit into pick-up trucks, vans or onto trailers. For increase vacuum couple with our gasoline power vacuum blower systems.

APPLICATIONS FOR VFS

- Parking structures
- Sidewalks
- Parking Lots
- Loading Docks
- Sports Stadiums
- Service Stations
- Convenience Stores
- Contract Cleaners
- Retail Stores Fronts
- Auto Detailing
- Restaurants
- Food Processing
- Auto Repair Shops
- Car Dealerships
- Property Maintenance Companies

HOW IT WORKS

The complete process utilized in the **VFS** is the first of its kind and the manner in which it operates is unique and proprietary to **Alkota**. The first two phases of filtration operate and flow under a vacuum to enhance flow and extended filter life.

The wash water is vacuumed through the pre-filtered 14" round patent pending 4-mesh multi-tier suction head or a specifically designed surface cleaner. The waste stream then enters the **Phase I** filtration chamber that contains three 100-micron screen filters and eight polymer impregnated micro-fiber filters.

This process removes most solids and 99.9% of free oil and petroleum related products. There is no time consuming and expensive bag filters or baskets to clean.

The **VFS Phase II** filtration continues with the patent pending **Perking®** Filtration Process trapping any remaining fine solids with three 120 mesh screens that never need replacing. Finally, the effluent enters the **Phase III** filtration which is pressurized through high density string wound polishing filters of 50 and 20 micron to a discharge source of choice. The polishing filters are monitored by pressure differential gauges, making easy to identify when filters need cleaning or replacement.



VACUUM FILTRATION SYSTEM SPECIFICATION CHART

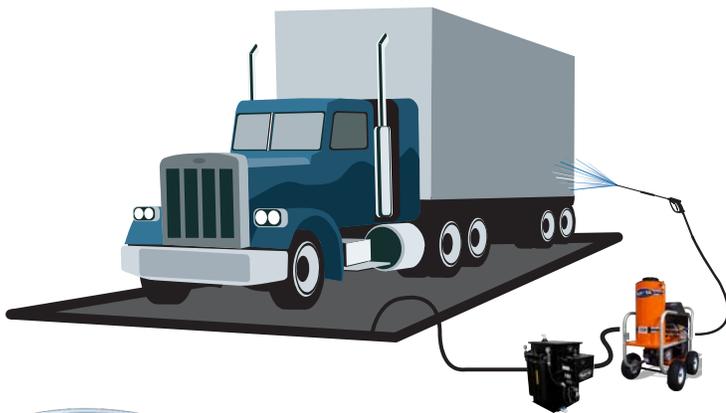
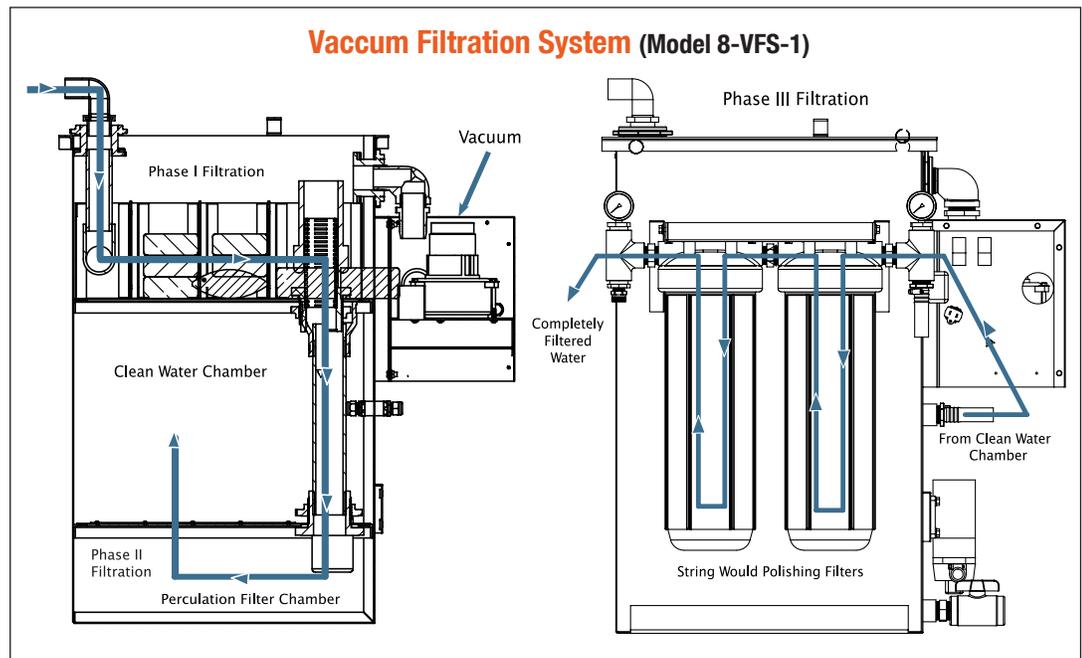
MODEL	8-VFS-1	8-VFS-1	8-VFS-1	8-VFS-1	8-VFS-1
Part Number	8-VFS-1B0000	8-VFS-SCN061	8-VFS-SHN007	8-VFS-SFS039	8-VFS-SJN110
Capacity	5 GPM/Single Vacuum	5 GPM/Dual Vacuum	5 GPM/Less Vacuum	8 GPM/Dual Vacuum/Dual Pump Out	5 GPM/Single Vacuum
Voltage	115 v /13 amps	115 v /24 amps	115 v /1.6 amps	115 v /26 amps	115 v /11.5 amps
Vacuum	6" Vacuum	6" Vacuum	6" Vacuum	6" Vacuum	6" Vacuum
System Flow Capacity	5 GPM	5 GPM	5 GPM	8 GPM	5 GPM
Vacuum Motor	1.60 HP High Efficiency	1.60 HP High Efficiency			
Air Flow	112 CFM 2 stage	224 CFM 2 stage	N/A	112 CFM 2 stage	112 CFM 2 stage
Transfer Pump	5 GPM High Efficiency	5 GPM High Efficiency	5 GPM High Efficiency	8 GPM High Efficiency	5 GPM High Efficiency
Pump Power	120 Volt	120 Volt	120 Volt	120 Volt	12 Volt
Dimensions	27"L x 33.5" W x 40"H	27" L x 33.5" W x 40"H	27" L x 33.5" W x 40"H	27" L x 33.5" W x 40"H	27" L x 33.5" W x 40"H
Weight	135 lbs.	135 lbs.	135 lbs.	135 lbs.	135 lbs.

Advantages

- Discharge point of choice
- Multiple Phase Separation
- 17 Stages of Filtration
- Small compact design
- Simple to operate
- Easy to maintain
- Minimal operational costs
- Minimal disposal costs
- 120 volt, low amperage
- On demand system
- High volume performance
- Reduces 99% of free petroleum hydrocarbons load
- Reduces totally suspended solids load down to 20 micron.

Optional Features

- Wheel kit with hose rack
- 50 HTZ voltage



FOR BETTER CLEANING



Clean Better with **Alkota Biodegradable** detergents specially formulated for high pressure cleaning. This means you get the best results from scale buildup in coil, pump and fittings.

This reduces replacement cost and improves high pressure cleaning.

Distributed by:



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CERTIFICATIONS



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