

# WATER TREATMENT

## MEDIA FILTRATION SYSTEM WATER RECYCLING FILTRATION SYSTEM



Compliance with local, state and federal (EPA) waste water requirements has never been more difficult. In fact, just about anyone washing equipment, machinery or vehicles and discharging the water without treatment is in violation. **Alkota** has developed waste water treatment systems designed to aid in minimizing the problems associated with discharge regulations. The high quality of water produced using this systems means that you have control deciding whether reuse or discharge is the right answer for your particular application. Simply stated, **Alkota Media Filtration Systems** offer standard configurations allowing reuse or discharge to sanitary sewer. The choice is yours.

The **Alkota Media Filtration System** is a low maintenance affordable way of working with water conservation or environmental regulations that limit the discharge of pressure washer or steam cleaner generated waste streams. This system utilizes above ground storage and process tanks for the ease of service & maintenance. The **CSF Series** limits the need for underground containment while limiting the exposure for possible leaks that could potentially contaminate property.

### ADVANTAGES

#### CUTS DISPOSAL COSTS

By reducing the volume of your waste water your disposal costs are reduced.

#### SAVES SPACE

The compact design means low space requirements.

#### LOW MAINTENANCE REQUIREMENTS

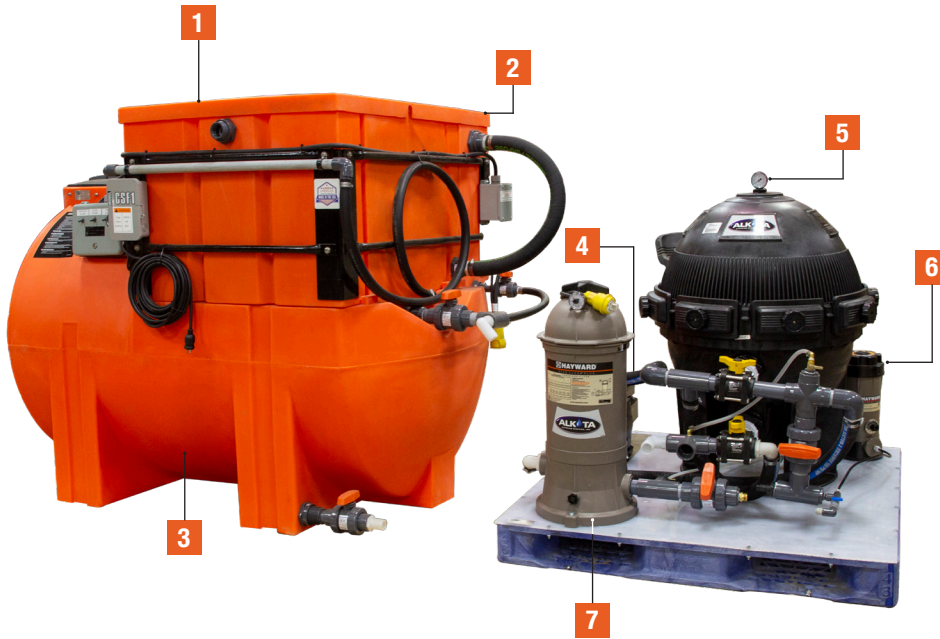
Cleaning of filtration media is quick and easy meaning minimal down time.

#### LOW OPERATING COSTS

Readily available, flusable filtration media means low operating costs.



# MEDIA FILTRATION SYSTEM SPECIFICATION CHART



## How It Operators:

Dirty, Oily water is brought into the coalescing tank (1) from the wash pad sump. The waste stream twists through oil attracting coalescing plates. As the oil droplets form large globules they float to the surface to be removed by an oil Skimmer (2) into a suitable container. Sediment is heavier than the waste stream so it drops through the plates collecting at the bottom of the coalescing chamber to be drain off during maintenance. The partially clarified waste stream falls under gravity to the treatment processing tank (3).

From the treatment processing tank, partially processed effluent is continuously pumped by a centrifugal pump (4) through the sand filter (5) and back to the treatment process tank with a small amount back to the wash pad sump. As the water circulates, the sand filter removes more and more of the remaining sediment and the circulating water becomes cleaner and ready for use or discharge. The chlorinator (6) injects a small amount of chlorine into the treatment process tank to help disinfect the water.

When water is required for cleaning purposes, water is sent from the treatment process tank through a 20 micron polishing filter (7) and into the pressure washer.

**NOTE:** The system does not remove heavy metals, organics or chemicals. It is recommended that fresh water be brought in for final rinse operations.

## Available Options

- Ozone Generators
- Bio-assist with dual mazzei injector
- Auto dose pump
- 20 GPM Sump Pump Kit
- 10 GPM Sump Pump Kit
- 500 Gallon Separation Kit

**Note:** #20 Silicon Sand and 3" Chlorine Tablets Not Included.

MODEL	CSF-5	CSF-10	CSF-20
Filtration	5 GPM	10 GPM	20 GPM
Coalescing System	C-8 (8 GPM)	C-12 (10 GPM)	C-24 (20 GPM)
Treatment Tank	200 Gallons	450 Gallons	900 Gallons
Voltage	115V, 1 PH, Fuse - 20 amp	115V, 1 PH, Fuse - 20 amp	230V, 1 PH, Fuse - 20 amp
Size	L-100-3/4", W-51-1/4", H-87"	L-121", W-50", H-63"	L-186", W-48", H-88-1/2"
Pump	1/2 HP	1 HP	1-1/2 HP
Sand Capacity	100 lbs.	300 lbs.	600 lbs.
Shipping Weight	1066 lbs.	850 lbs.	1900 lbs.

## Models:



CSF-5



CSF-10 UL CERTIFIED



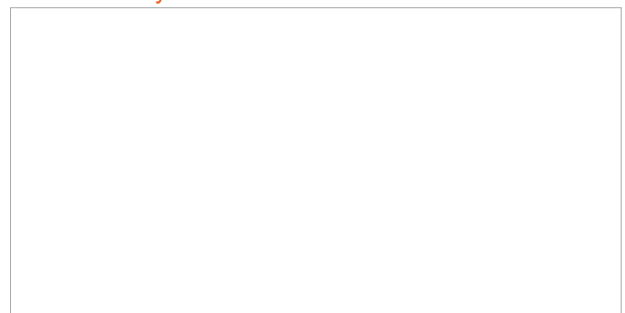
CSF-20

## Accessories:



SUMP PUMP KIT

Distributed by:



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## CERTIFICATIONS



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