

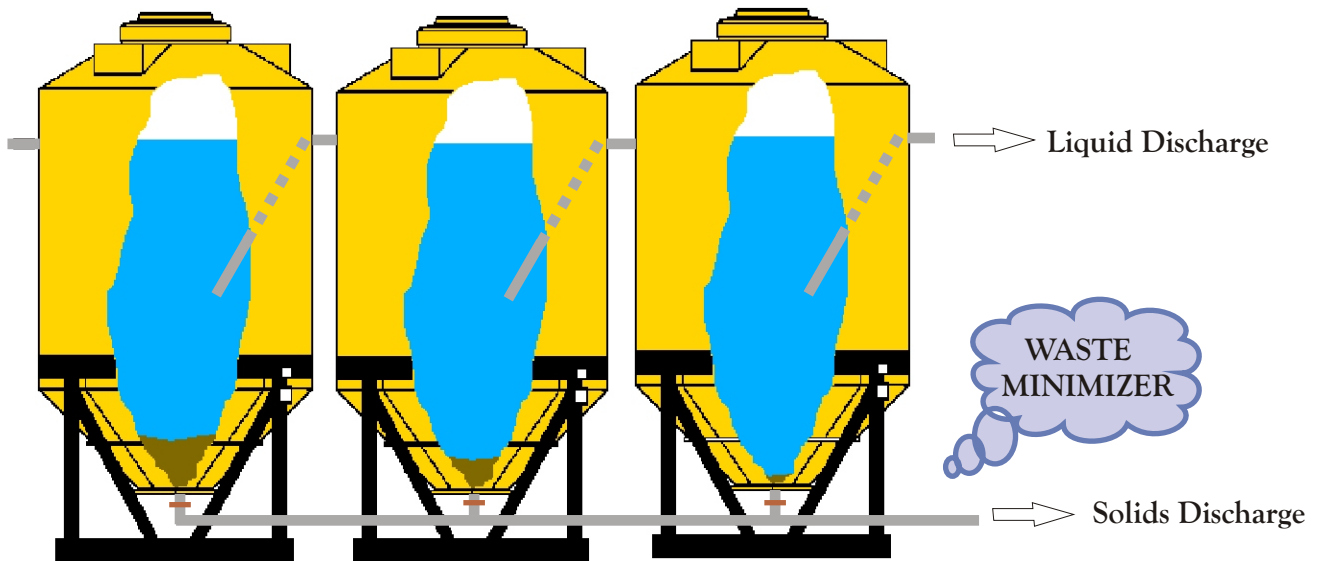
Built to LAST!
Industrial Equipment
 WATER CLEANING SYSTEMS
Since 1987

Environmental Cleaning Systems
Only Sales, Parts & Service Center from Sac, CA to Oregon!

 **Parts Washers** 830 Cherry Street
 **Pressure Washers** Chico, CA 95928
 **Water Treatment** Lic# 795757

PH: (800)287-8306
 (530)893-2125
 Fax: (530)893-1035
 www.industrial-equipment.biz

ABOVE GROUND CONE BOTTOM MULTIPLE TANK OIL-WATER-SOLIDS SEPARATOR



SEVERAL MODELS TO CHOOSE FROM

Capacities	Tanks	Height	Width	Length	Fitting	Flows
4200 Gallon	3	10'-1"	5'-1"	16'-3"	4"NPT	0-150 GPM
3200 Gallon	3	12'-2"	5'-1"	16'-3"	3"NPT	0-100 GPM
2200 Gallon	3	9'-11"	5'-1"	16'-3"	3" NPT	0-50 GPM
2100 Gallon	3	10'-10"	4'-4"	14'	2"NPT	0-40 GPM
1500 Gallon	3	8'-7"	4'-4"	14'	2"NPT	0-30 GPM
650 Gallon	3	8'-10"	2'-8"	9'	2"NPT	0-15 GPM
1400 Gallon	2	10'-10"	4'-4"	9'-8"	2"NPT	0-25 GPM
1000 Gallon	2	8'-7"	4'-4"	9'-8"	2"NPT	0-20 GPM
450 Gallon	2	8'-10"	2'-8"	6'	2"NPT	0-10 GPM

CONE TANK SEPARATION FEATURES

- Enhanced Solids Separation
- 2" Manual Sludge Removal System for Easy Removal of Solids from the Bottom of the Tanks
- No lost Efficiency due to Solids

OPTIONAL EQUIPMENT

- Stainless Steel Belt Oil Skimmer
- Hydrocarbon Consuming Microbe Injection
- Advanced Vacuum Microbubble Aeration
- Automatic Sludge Removal System

Various other technologies are also available

System Comparison

Underground Separator vs. Above Ground Cone Bottom Separator

	Under Ground Separator	Above Ground Cone Bottom Separator
Effectiveness: No Solids build up	Removes solids by using gravity to separate solids and traps non-emulsified oils	Cone bottom shape enhances separation due to gravity, reducing separation time needed. Also traps non-emulsified oils.
Effectiveness: w/Solids build up (Usual State)	Since the separator is out of sight, it tends to completely fill with solids before it is cleaned out. Even partially filled, separation is severely limited. Both solids & oils can go through the system.	The above ground tanks are partially see through and readily cleaned, which makes them rarely filled enough to affect the separation abilities of the system.
Cleaning	Requires truck to pump out entire contents of separator. This means that customer must pay to dispose of solids and all water as hazardous waste.	Customer can decant tanks on a regular basis and let the solids dewater before disposal.
Required Space	Needs to be placed underground, requires access to manholes and periodic inspection.	Needs to be placed above ground. Actual space requirements will vary depending on size of unit. It is recommended to cover the tanks, to get maximum life of the system
Required Pumps	None needed, unless further treatment is needed.	Requires sump pump. A submerged sump pump generally lasts several years without any problems and requires very little electricity. Further treatment can be gravity fed or pumped as needed.
Available upgrades		Cone tanks can be aerated and circulated to make the environment conducive to using hydrocarbon consuming microbes. These microbes will consume oil so that it does not build up in the system. They will also consume emulsified oils.
Typical washpads and "pretreatment"	Washpads for this type of system generally have a "steep" slope to the middle and everything including a majority of the solids and all oil flow directly into the underground separator.	Washpads for this type of system have a "shallow" slope to one corner, where it is further treated by a solids collection trough before ending up in a sump to be pumped into the separator. In the sump a belt oil skimmer is used to remove free oil. This pretreatment removes most solids and oils before they reach the separator enhancing the effectiveness of the cone bottom separator and reducing the need for periodic cleaning and disposal.
Further Treatment / Recycling needed if requirements change	Difficult: Must dig system up to add plumbing and electrical	Easy: This separator works well as the first stage of many of our recycle systems. Electricity and plumbing as needed are much easier to provide.