



The SERFILCO Coalescing System removes oil from aqueous solution by coalescing and gravity separation. For use on plating tanks, acid tanks, waste effluents and pollution control applications. The coalescer is effective in separating dissimilar liquids with a specific gravity difference of 0.09 or greater. Recovered effluent contains less than 10 ppm of the discontinuous phase. For some combinations of liquids the quality is less than 5 ppm.

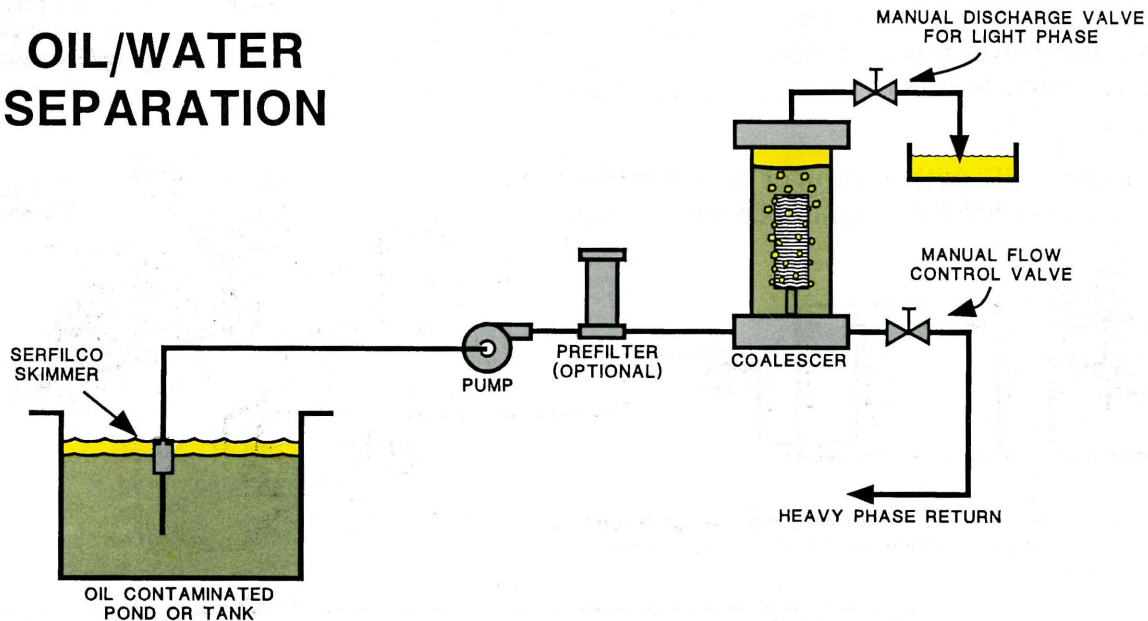
Standard coalescing systems with and without pre-filter, or coalescing chamber by itself, for use on existing systems are available to flow rates of 10 GPM. Special systems are available

and designed to meet specific requirements.

The units can also be used in 2-3 stage series flow for more efficient separation as well as in conjunction with carbon adsorption, for maximum quality of effluent.

The separation is achieved by pumping the oil/water through the coalescing element which holds the small particles of oil until they grow large enough to float off the coalescing element to the top of the chamber where they are trapped. Clear solution discharges out of the chamber base. Accumulated oil is periodically bled off for disposal.

### OIL/WATER SEPARATION



The coalescing element normally is not replaced and has an indefinite life. It needs replacement only in the event that it becomes plugged with solid particles. Therefore, if the unit is to be used in a system that has solids

contamination, a pre-filter is recommended. The individual components of the system feature non-metallic solution contact for use with corrosive liquids. Consult factory to obtain information on larger or specially designed systems.