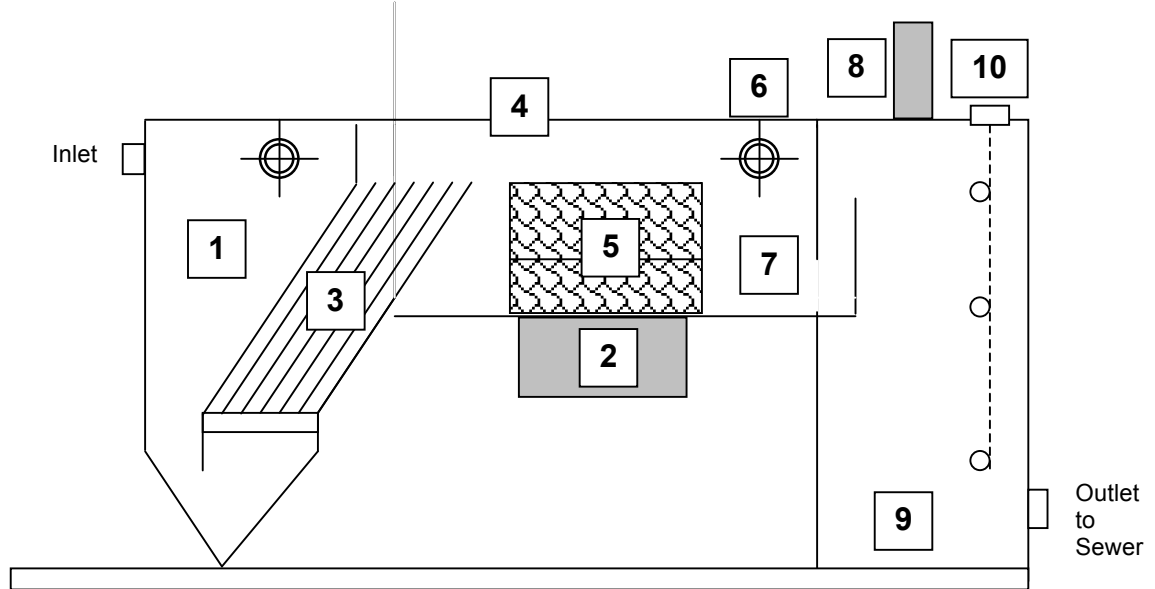


## SPT-Series System's Components

**1. Stainless Steel Inlet Compartment** – The water is pumped into the system through a non-clogging diffuser pipe to distribute the flow. The inlet chamber is designed to reduce suspended solids, dissipate energy and begin separation.

**2. Pump** – Water is pumped into the system via an air diaphragm pump.



**3. Inclined Plates** - Inclined plates above the sludge chamber catch suspended particles as the water stream moves into the separation chamber.

**4. Separation Chamber**– After the water travels up the inclined plates, it flows into the stainless steel separation chamber containing the coalescing media.

**5. Coalescing Media Packs** – The high efficient coalescing pack in the separation chamber further slow the water velocity so oil drops out of suspension and clings to the media. This media will remove 99% of free oil droplets **20 microns** or larger.

**6. Oil Skimmer** – The oil that has dropped out of suspension is then skimmed off the top of the separation chamber and into a tank for easy removal.

**7. Baffles** – An underflow weir will prevent re-suspension of solids while an oil retention weir will keep the oil in the separation compartment.

**8. Ozone Generator** – The water is injected with ozone to kill odor-causing bacteria.

**9. Clean Water Chamber** - The third stage is a clean water chamber where the clean water will flow out for reuse or to the drain.

**10. Float Control System** –SPT Series Systems come with optional control systems for simple, automatic operation.