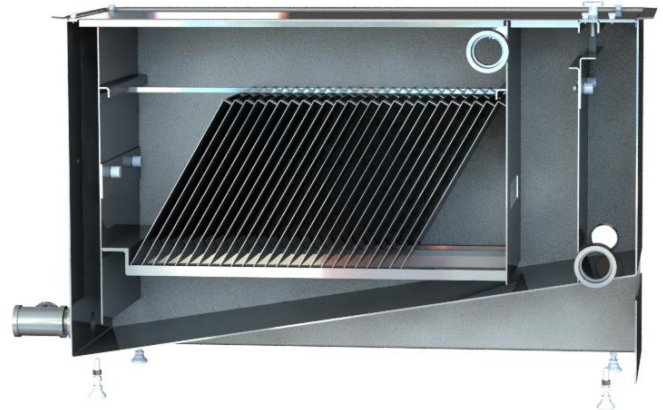


HENRY OIL & SOLIDS SEPARATOR

Overview

- The simple, yet effective **H.O.S.S.** system is designed to remove harmful tramp oils and fine contaminants, resulting in reduced costs by extending the fluid life of industrial coolant fluids
- Machine tool sumps, individual, regional and/or central coolant systems, washer filters and various other processes utilizing water soluble, semi-synthetic, synthetic and wash solutions can benefit from this application where two immiscible fluids require separation



Standard Oil Separator Decant Tank

Problem & Solution

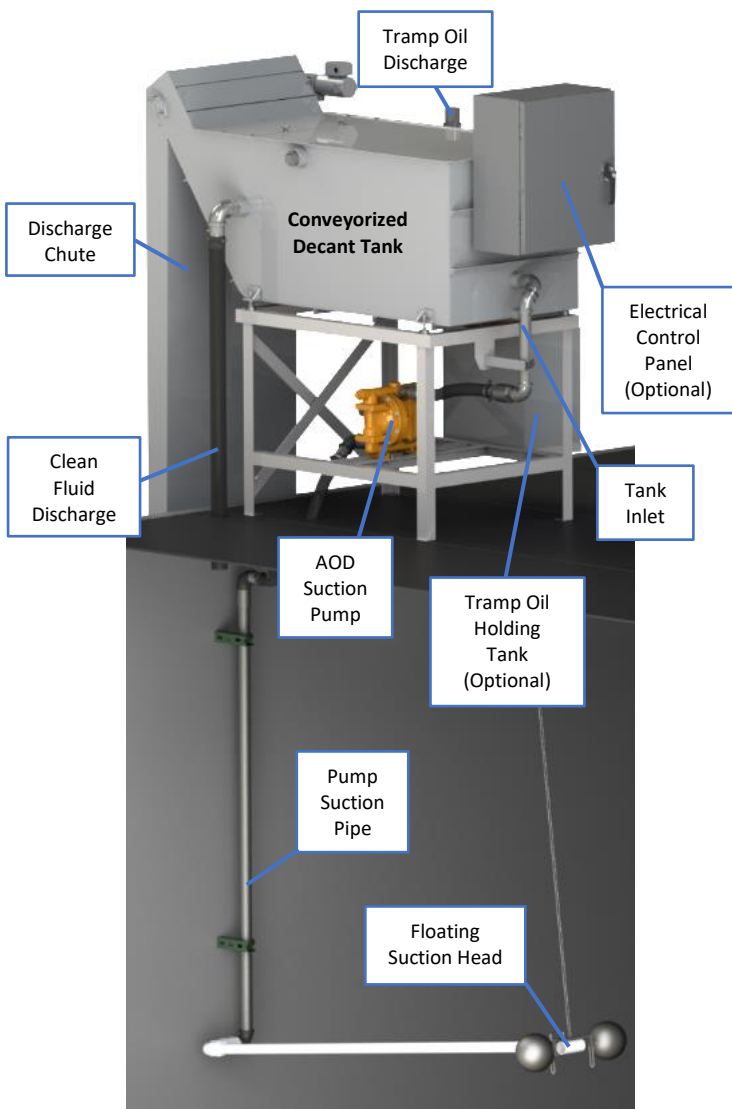
- The main problems with oil separation systems is dealing with floating solids like aluminum chips, sediment, and/or cast-iron grinding swarf. Competitive systems tend to plug at the difficult to clean areas; skimmer head, pump suction pipe and inside the decant tank. Solutions:
 - The **H.O.S.S.** was developed to eliminate plugging at the skimmer float suction supply tube
 - The **H.O.S.S.** system has easily removable coalescent plates for ease of cleaning
 - The optional conveyORIZED system will remove any solids that settle to the bottom of the decant tank



ConveyORIZED Oil Separator Decant Tank

General Specifications

Model	Volume	Flow Capacity	Length	Width	Height
Small (Non-ConveyORIZED)	43 Gallons	1 to 5 GPM	44"	18"	29"
Small (ConveyORIZED)	70 Gallons	1 to 7 GPM	69"	22"	36"
Medium (ConveyORIZED)	140 Gallons	1 to 15 GPM	69"	36"	36"
Large (ConveyORIZED)	210 Gallons	1 to 20 GPM	93"	36"	36"

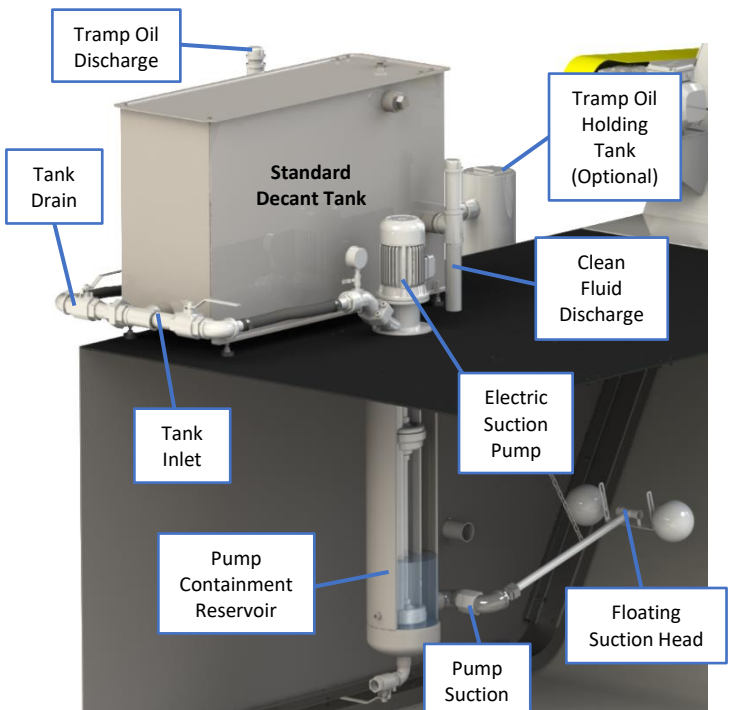


Features & Benefits

- Extends the life of industrial coolant fluids and wash solutions by effectively removing tramp oil
- Robust stainless steel tank construction
- Low maintenance
- Level seeking, non-plugging ball float skimmer pick up head
- Pump suction pipe backflow design eliminates plugging at the floating suction head (Electric Pump Option)
- A reliable pump transfers skimmed surface oil to the oil separation decant tank
- Coalescing laminar plates that can be individually removed for cleaning
- Solids and sludge, that has settled to the bottom of the oil separation decant tank, are removed by the chain and flight conveyor (optional)

Options

- Air Diaphragm or Electric Pump
- ConveyORIZED oil separation decant tank
- Level switches
- Electrical controls
- Holding tank for removed tramp oil
- Tramp oil tank discharge pump
- Additional options upon customer request



Basic Operation

- The level seeking skimmer head (ball float assembly) skims the surface of the liquid inside the filter tank
- An air operated diaphragm or electric centrifugal pump draws the liquid through the suction piping and discharges it into the oil separation decant tank
- The oil and coolant solution are separated using a uniquely designed decant tank with laminar plates
- The separated oil is then gravity discharged into a waste container and the clean, processed fluid is gravity discharged back to the filter tank
- Suspended solids that settle to the bottom of the decant tank will be conveyed out through the discharge chute (on conveyORIZED units only)