

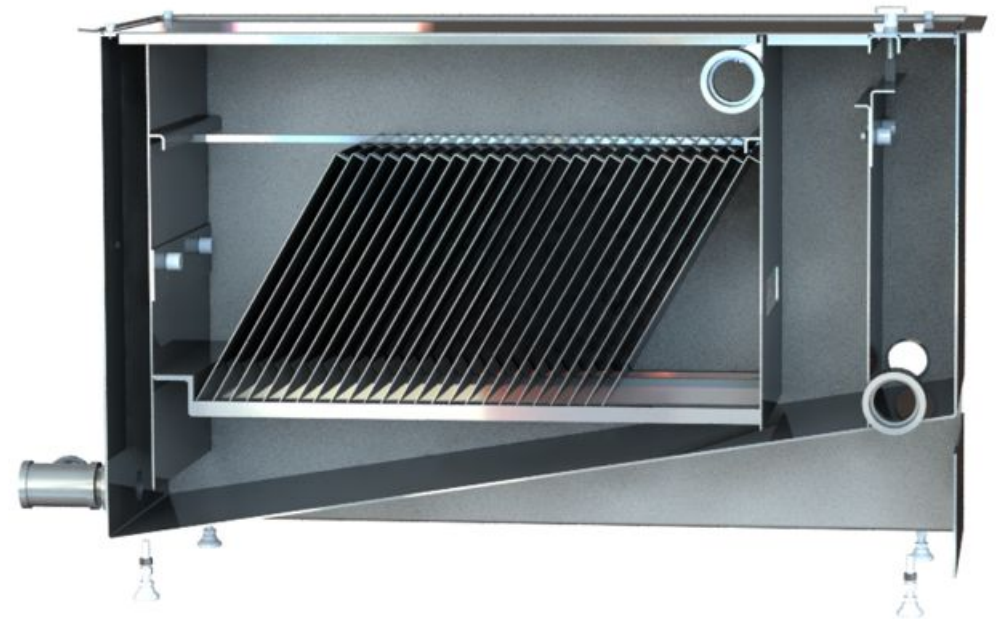
# ***Henry Oil & Solids Separator (H.O.S.S.)***

***Komline Company Meeting 9/9/21***

# Henry Oil & Solids Separator (H.O.S.S.)

## 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

# Henry Oil & Solids Separator (H.O.S.S.)

## 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

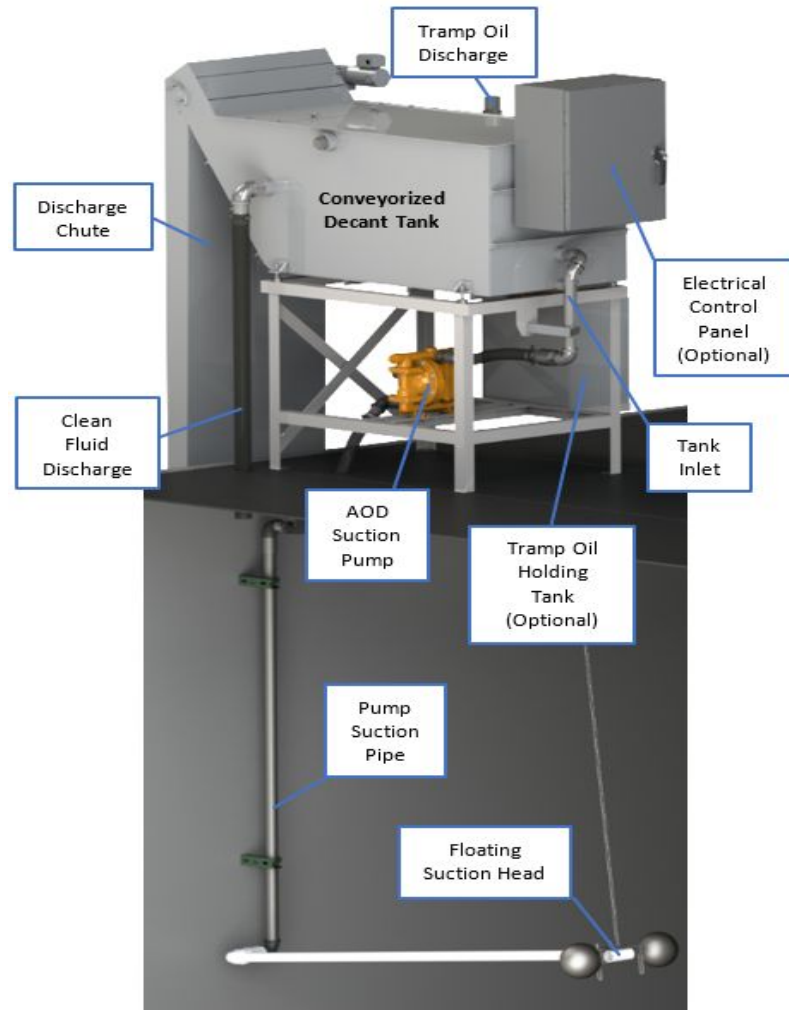


Conveyorized Oil Separator Decant Tank

# Henry Oil & Solids Separator (H.O.S.S.)

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"

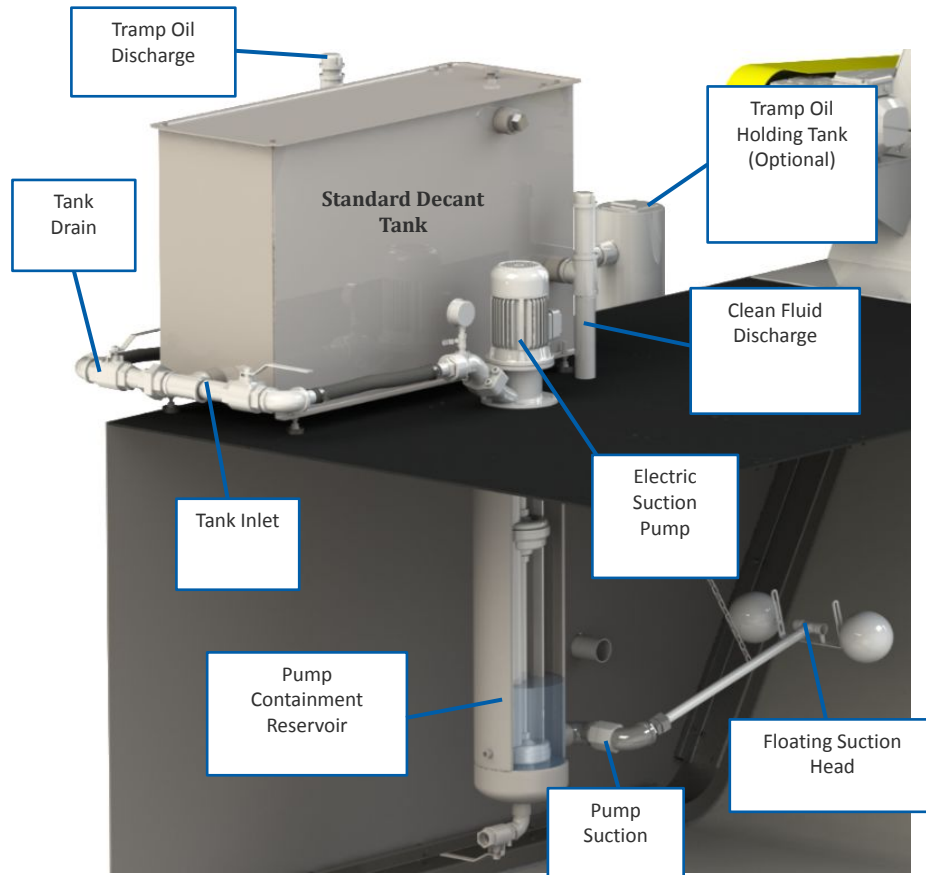
# Henry Oil & Solids Separator (H.O.S.S.)



## 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
- 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)

# Henry Oil & Solids Separator (H.O.S.S.)



## Basic Operation

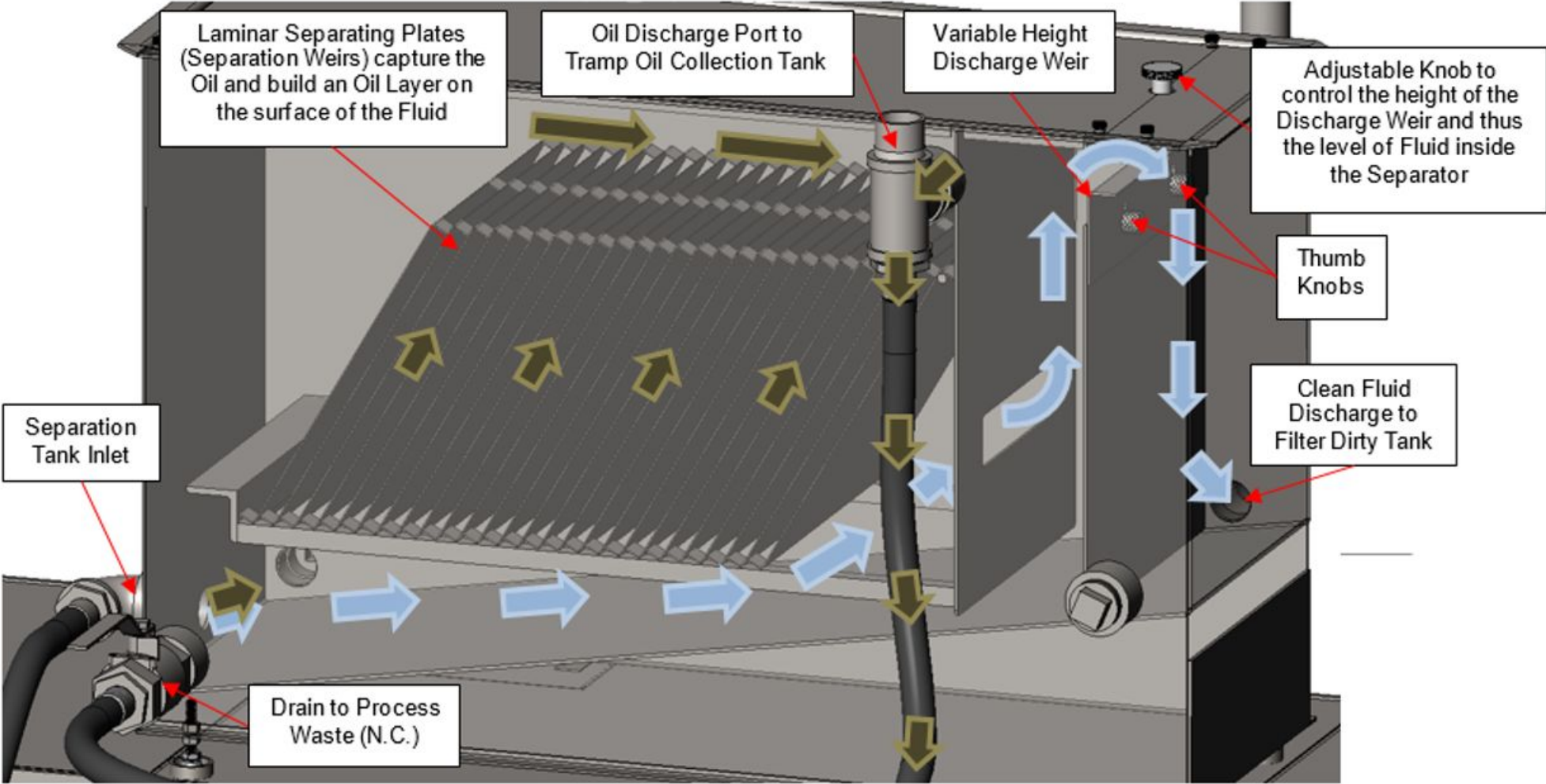
- The level seeking skimmer head (ball float assembly) skims the surface of the liquid inside the filter tank
- An air operated diaphragm or electric centrifugal pump draws the liquid through the suction piping and discharges it into the oil separation decant tank
- The oil and coolant solution are separated 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)

# *Henry Oil & Solids Separator (H.O.S.S.)*

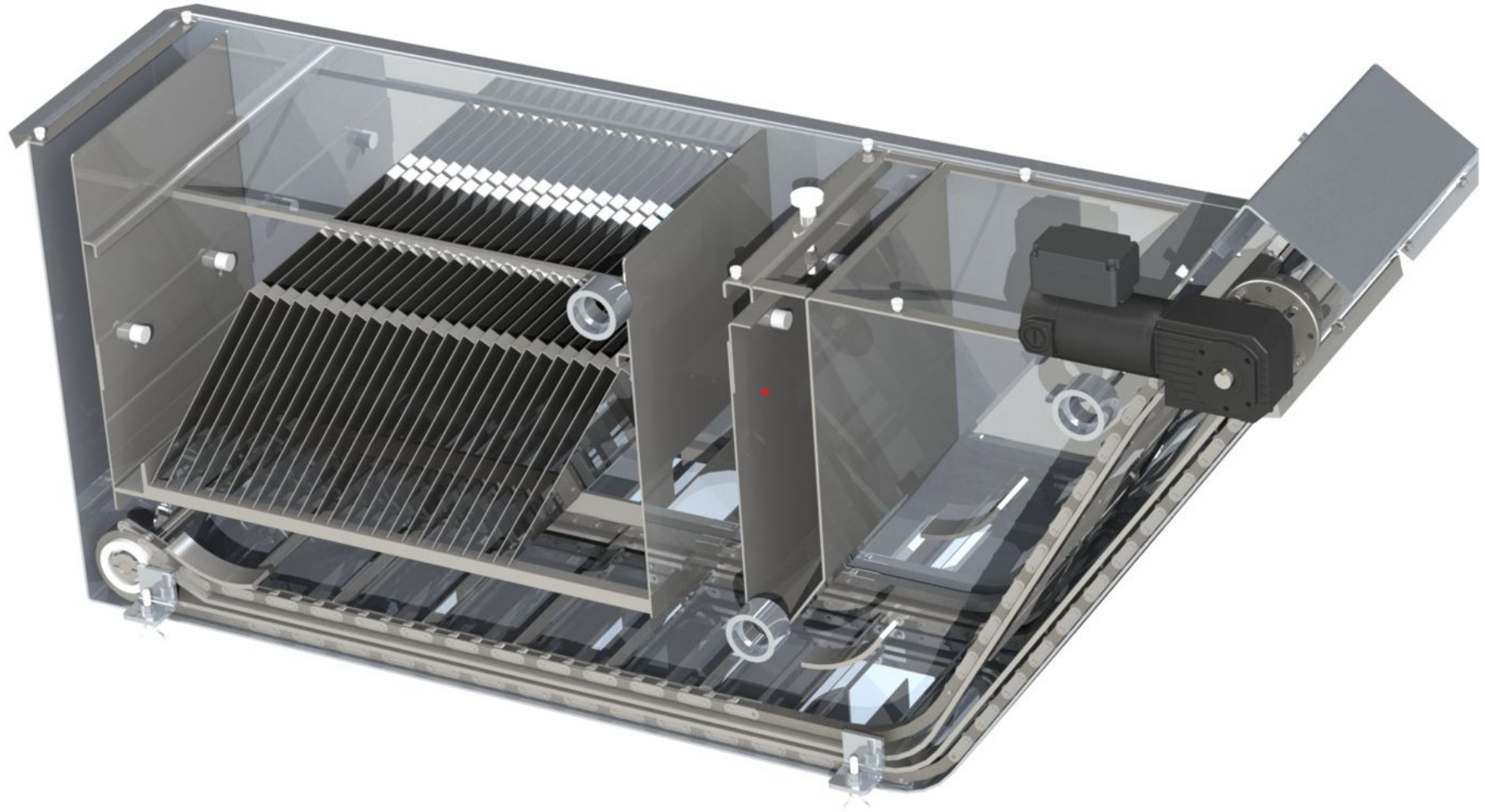
## Options

- 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

# Henry Oil & Solids Separator (H.O.S.S.)



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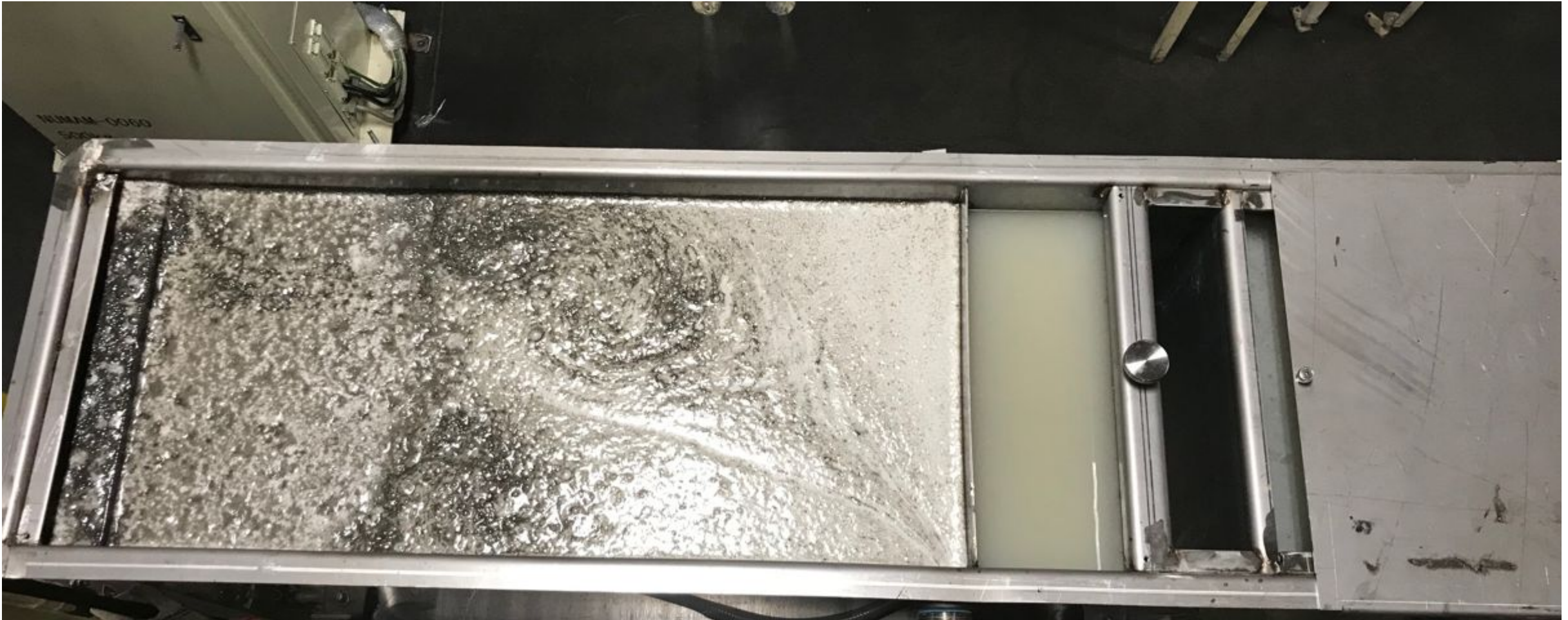
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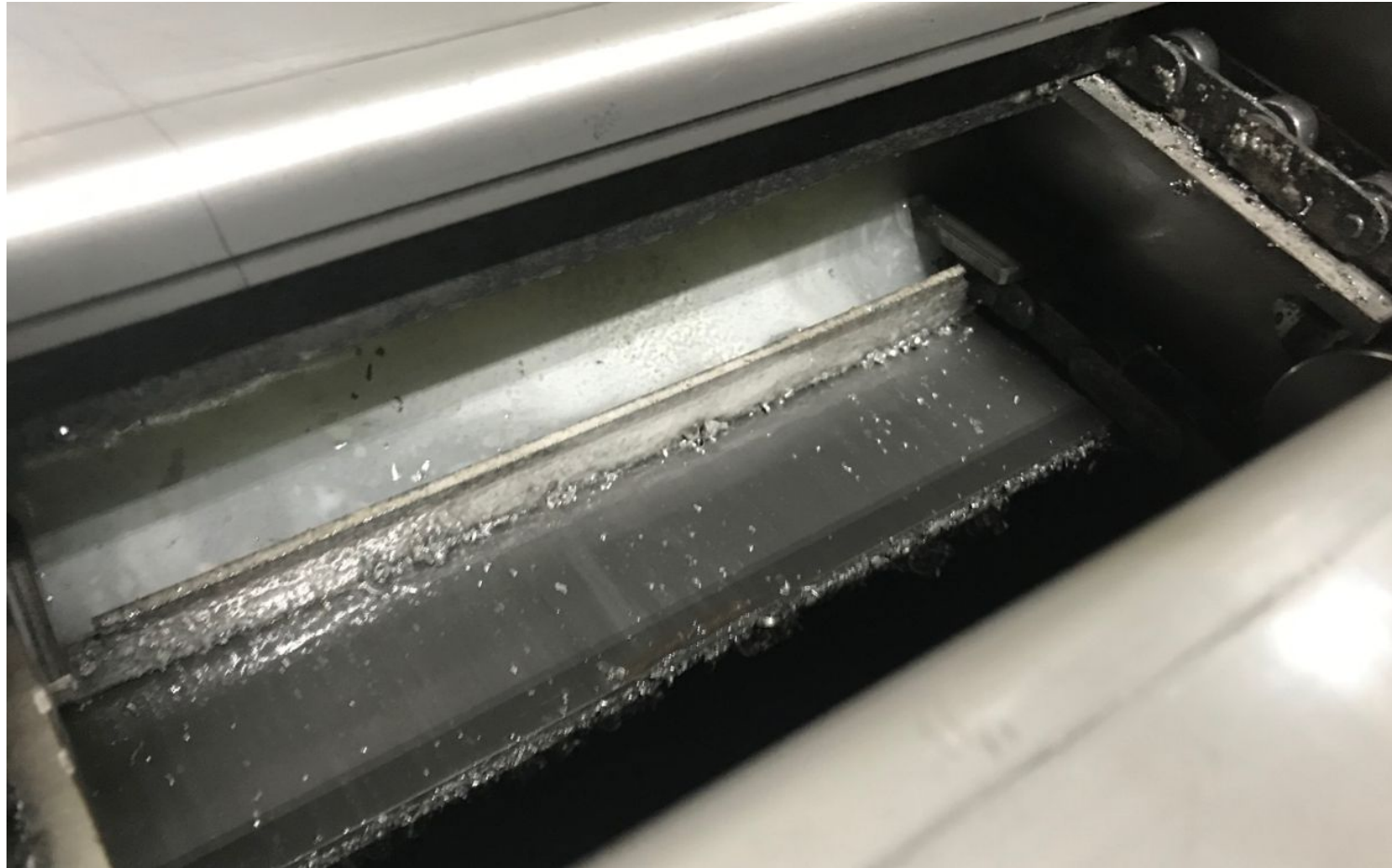
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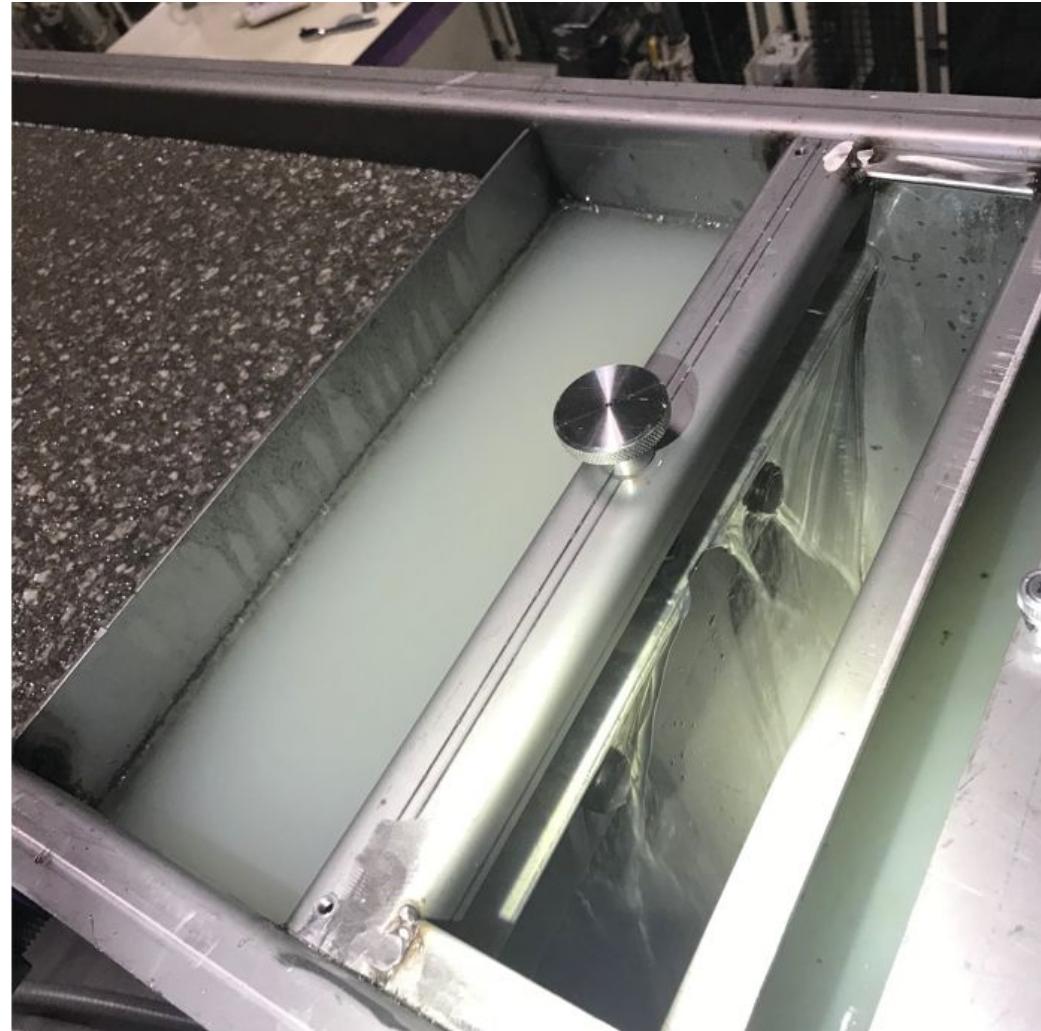
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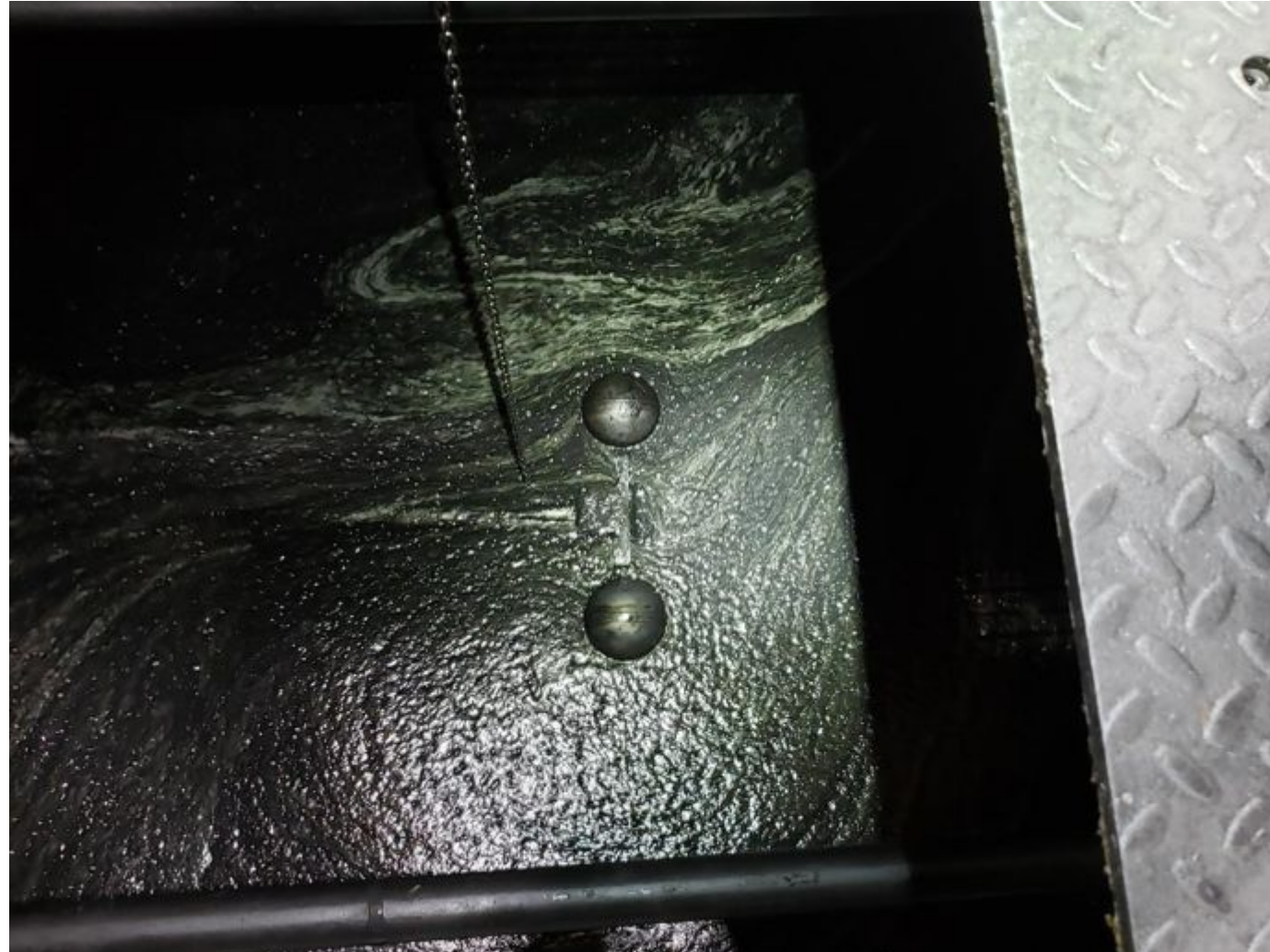
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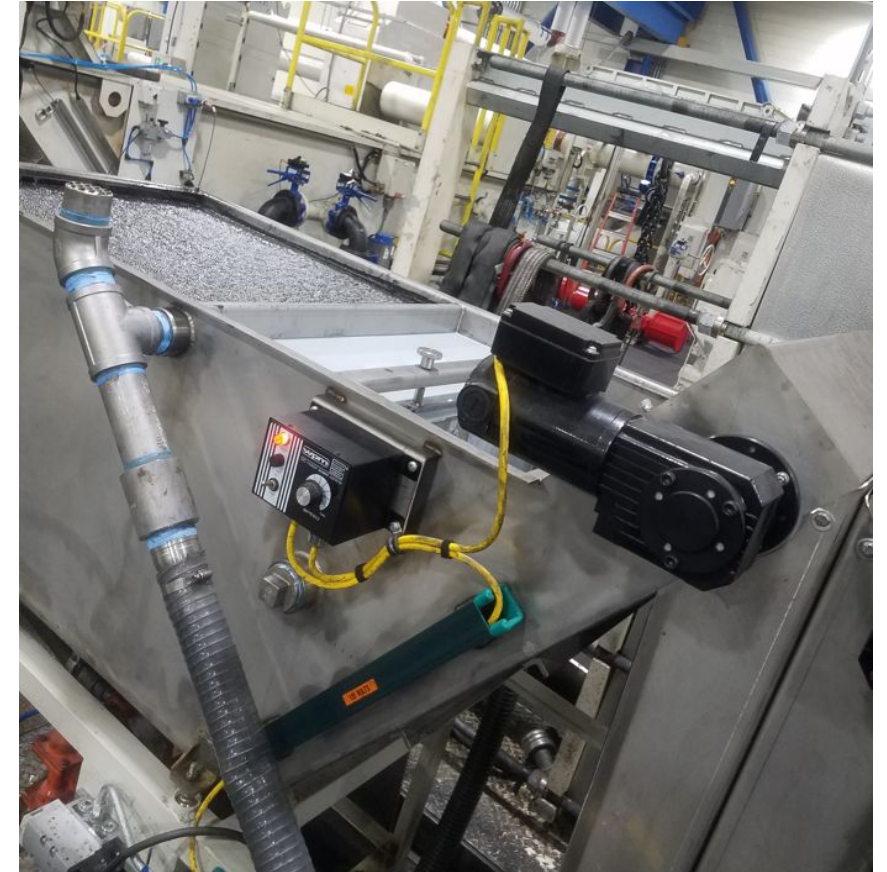
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# Henry Oil & Solids Separator (H.O.S.S.)

Description	P/N	Qty.
Small Decant Tank (13-3/4" I.W., NPT) (Version D Latest 10-5-2020)	21.73501.0001	27
Small Decant Tank (13-3/4" I.W., BSPT) (Version A Latest 9-4-2019)	21.73501.0002	3
Small Conveyorized Decant Tank (13-3/4" I.W., NPT) (Version D Latest 8-13-2020)	21.73510.0001	10
Medium Conveyorized Decant Tank (27-1/2" I.W., NPT) (Version C Latest 8-13-2020)	21.73510.0002	20
<b>Total:</b>		<b>60</b>