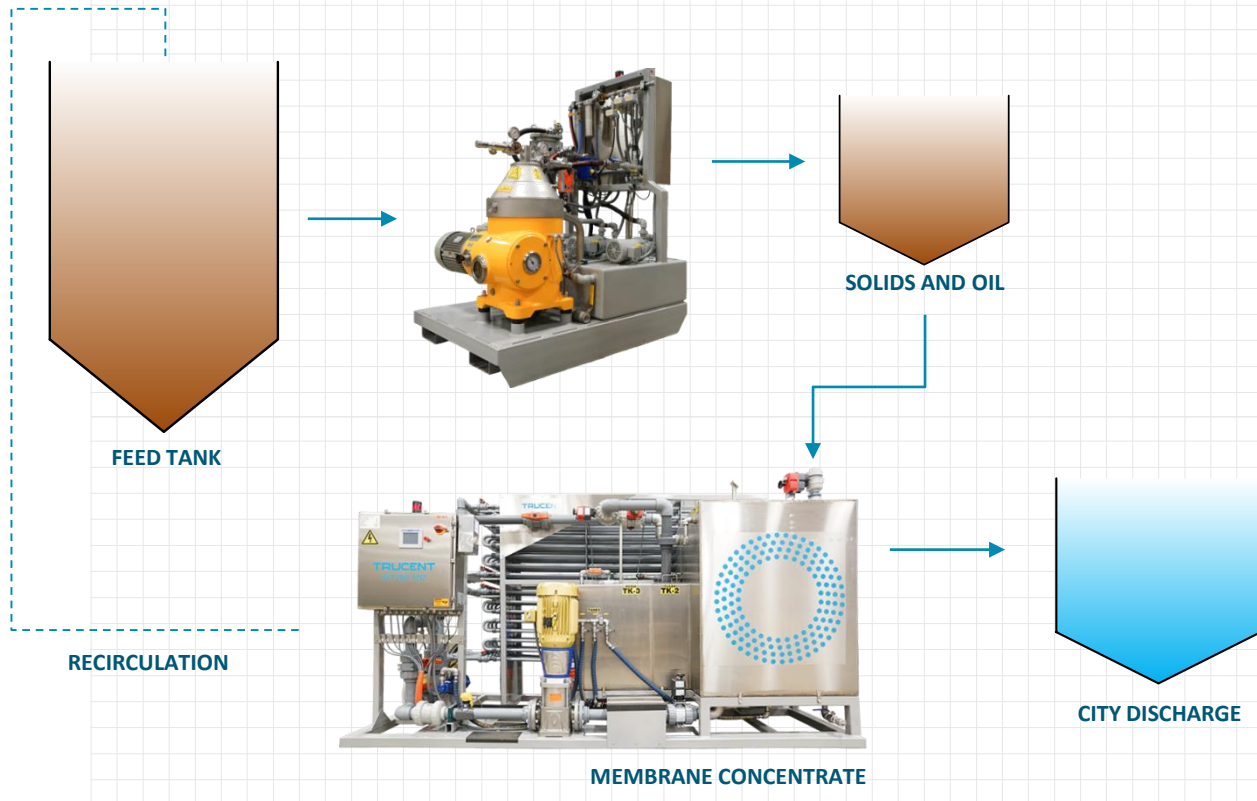


Ultrafiltration and Centrifuge Combination



The Customizable Solution to Your Wastewater Treatment Needs



The Most Common Solution is Not Always Ideal

“Acidulation” is a term that has been used to reference the use of Hydrochloric Acid and Flocculant chemicals as the primary way to treat waste streams before they leave a manufacturing facility. This use of acid causes many issues regarding:

- Worker safety
- Intensive labor hours
- High costs of acid
- Containment space

The EPA has found that chronic exposure to HCL can cause gastritis, chronic bronchitis, dermatitis, and photosensitization in workers. It is also lethal if ingested or inhaled.

In addition to the negative impacts that using hydrochloric has on the safety of employees, it is having an increasingly negative impact on the surrounding natural environment.

A Solution that Benefits People, Planet, and Profits

Trucent has been helping companies in a variety of industries improve worker safety and their impact on the environment since its inception. The company was founded on the simple idea that the success of a business and its ability to have a positive impact on people and the environment can go hand in hand.

Years ago, Trucent developed a solution that is repeatable across the board of different facilities. It is modified only for the type of fluid and the contaminants it sees in operation.

Combining a high-speed disk stack centrifuge and membrane filtration unit, Trucent can ensure clean water is going down the drain without any need to wear a chemical suit again.

Separation Technology Options



MODEL TYPES	COMPACT AND CHEMICALLY INERT	CHEMICALLY INERT	CONCENTRATION	STANDARD
TYPICAL APPLICATION	Waste water, wash water, Particulate	Waste water, wash water, particulate, Coolant	Concentration of compounds	Waste Water, Coolants, Wash water
FORM FACTOR	Thin Hollow Fiber	Wide Hollow Fiber	Spiral Wound	Large Hollow Fiber
AVERAGE PARTICLE SIZE CUTOFF	0.02u	0.45-1u	.003u-0.1u	0.1u
MATERIAL	Polymeric	Ceramic, or Stainless Steel	Polymeric	Polymeric
RETAIN	Oil Chemistry	Oil	Mostly everything	Oil Water Suspended solids
PERMEATE	Water Dissolved Solids	Chemistry Dissolved Solids Water	½ D Solids Water	Chemistry Water
PROCESS PH	2-13	1-14	3-10	2-10
SOLIDS	Particulate and Solids, some-abrasive	Particulate and Solids, abrasive	Very low solids, non-abrasive	Particulate and Solids, non-abrasive
PARTICLE SIZE	> 0.3 mm	> 0.2 mm	> 0.1 mm	> 1 mm

MODEL TYPES	HIGH SOLIDS CENTRIFUGE	LIQUID-SOLIDS SEPARATOR	LIQUID-LIQUID SEPARATOR	SOLID-LIQUID-LIQUID SEPARATOR
PHASES	Solid, Liquid – Optional 2 nd Liquid	Solid, Liquid	Mostly everything	Oil, Water, Suspended solids
SOLIDS LEVEL	High	Low	Very Low	Very Low, Particulate removal
LIQUID-OIL LEVEL	Separable in 3-phase	No separation	Great separation	Great Separation
CLEANING	Automatic	Automatic	Manual	Automatic
DISCHARGE	Wetcake, Liquid	Paste, Liquid	Scraped Solid, Water, Oil	Paste, Water, Oil