

# PuriGator Fluid Purification System

## Description

### How it works:

The PuriGator Fluid Purification System uses a patented weir skimmer that vacuums a fluid's surface with an extreme laminar flow pattern. This skimmer aggressively removes free oils and other light fluids from the surface, sending these fluids directly to the patented purifier where they are separated from heavier liquids and concentrated and collected in a reservoir. The concentrated oil is then discharged from the collection reservoir through a valve. This oil is in demand for recycling and has value, while the purified fluid's properties are maintained, enabling it to be returned to productive use.

### Extends the useful life of industrial fluids by:

- Aggressive removal of tramp oil
- Effective aeration of fluids
- Reduction of microbial activity and odors
- Removal of particles

### Results:

- Cleaner fluids
- Lower chemical costs
- Lower waste disposal volumes and cost
- Better machine performance
- Improved safety
- Reduced down time

### Works with:

- Virtually any fluid where floating contaminants are a problem
- Industrial cleaning/degreasing fluids
- Machining coolant - water soluble, synthetic and semi-synthetic coolants
- Die lubricants
- Quench baths

## Specifications

### Fluid Input

- Surface vacuum skimmer system using adjustable floating weir.
- 300 GPH pump.
- Configurable to different sump sizes and fluid depths.
- Pump electrical requirement 120V/60 Hz/ less than 1 amp.



Skimmer vacuums in contaminant



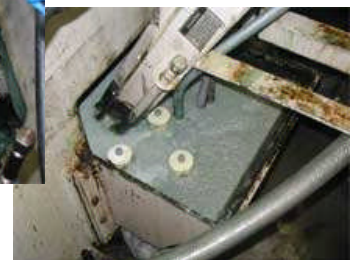
Clean & purified output stream after purification

### Purification System

- 30 gallon purification vessel, 28 1/2 inch tall, 19 inch diameter.
- Rotational molded oil-splitting purification system.
- Purification System has durable polymer construction enabling it to stand up to various fluid environments.
- Easy to empty used oil collection reservoir.



Sump before PuriGator



Sump after PuriGator

### Fluid Output

- Gravity-powered fluid return.
- Adjustable base to position purifier at optimum height based on sump dimensions.

### Warranty

- 1-year replacement parts. Extendable warranty and service plans available.

