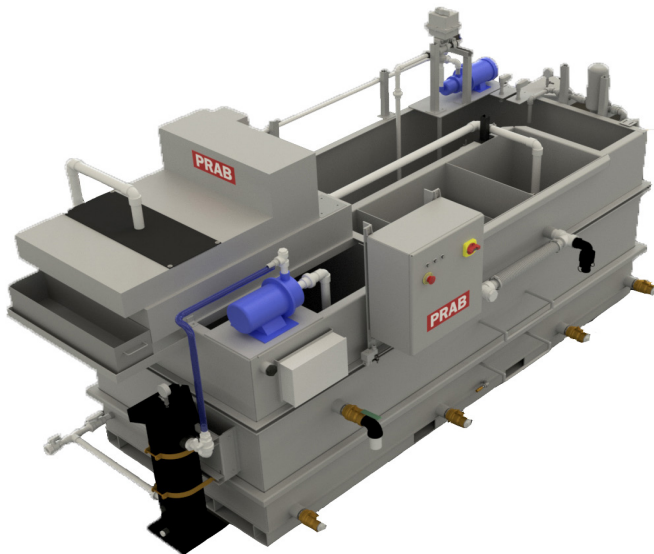


# PRAB GUARDIAN™ COOLANT RECYCLING SYSTEM

## PROVEN TO REDUCE YOUR COOLANT WASTE UP TO 90%

### The Effective Solution to Coolant Management Problems

PRAB's Guardian Coolant Recycling System is a centralized, economical solution to the high costs associated with maintaining water-based coolants and washwater in the metalworking industry. The Guardian system recycles used coolants, reducing waste fluids by up to 90%, and eliminates concerns about wastewater haul-away liabilities. Everything you need for centralized coolant recycling is included with the Guardian. Each turnkey system is designed for easy installation, quick start-up, and simple, efficient operation. PRAB backs every Guardian system with a 100% performance guarantee.



Guardian Coolant Recycling System

### Documented Results Achieved by PRAB Customers:

- Reduced new fluid purchases up to 75%
- Decreased fluid disposal costs by approximately 90%
- Extended tool life by up to 25%
- Reduced machine downtime by an average of 50%
- Improved surface finish by an average of 25%

### System Features:

- Processes up to 1,500 gallons of coolant per hour with standard configurations; larger capacity is available upon request
- Removes tramp oils and reduces up to 75% of new fluid purchases
- Reduces hazardous waste disposal costs up to 90%
- Typically generates system payback in 6-9 months
- Minimizes operator involvement and training
- Achieves tighter coolant clarity tolerances with optional polishing filter
- Extends tool life and saves up to 25% in new tool purchases
- Removes free-floating oils to 0.1% or less
- Prevents rancidity with continuous overflow
- Purges coalescing media or solids and sludge with automatic air sparger

Backed by the **PRAB Difference**



# PRAB GUARDIAN™ COOLANT RECYCLING SYSTEM

## EXTENDS TOOL LIFE BY UP TO 25%

### Configuration Packages:

#### Base Package

- An inlet basket strainer
- Dirty and clean coolant tanks
- A Tramp Oil Separator with a coalescing media pack
- A floating skimmer assembly
- Steel oil weirs, manifolded together on exterior of the tank
- An automatic air sparging system
- A coolant make-up system
- Control Panel
  - Allen Bradley components
  - HMI
- Voltage: 460/3/60
  - Other voltage options available: contact factory for pricing and lead time

#### Standard Package

- An inlet basket strainer
- Dirty and clean coolant tanks
- A Tramp Oil Separator with a coalescing media pack
- A floating skimmer assembly
- Steel oil weirs, manifolded together on exterior of the tank
- An automatic air sparging system
- A coolant make-up system
- Control Panel
  - Allen Bradley components
  - HMI
- Voltage: 460/3/60
  - Other voltage options available: contact factory for pricing and lead time

Additional features included in the Standard Configuration:

- Coolant Manager: Ozone Generator
- Polishing Filter Assembly: typically 20-micron rated filter

#### Deluxe Package

- An inlet basket strainer
- Dirty and clean coolant tanks
- A Tramp Oil Separator with a coalescing media pack
- A floating skimmer assembly
- Steel oil weirs, manifolded together on exterior of the tank
- An automatic air sparging system
- A coolant make-up system
- Control Panel
  - Allen Bradley components
  - HMI
- Voltage: 460/3/60
  - Other voltage options available: contact factory for pricing and lead time

Additional features included in the Deluxe Configuration:

- Coolant Manager: Ozone Generator
- Polishing Filter Assembly: typically 20-micron rated filter
- Dirty Coolant Transfer System
- Paper Bed Filter: with 10-micron rated filter media
  - Note: Inlet Basket Strainer has been removed in lieu of the paper bed filter

*"We have seen around a 75% savings on new coolant purchases."*

—Alexandre Blinov, Koss Aerospace

Backed by the **PRAB Difference**



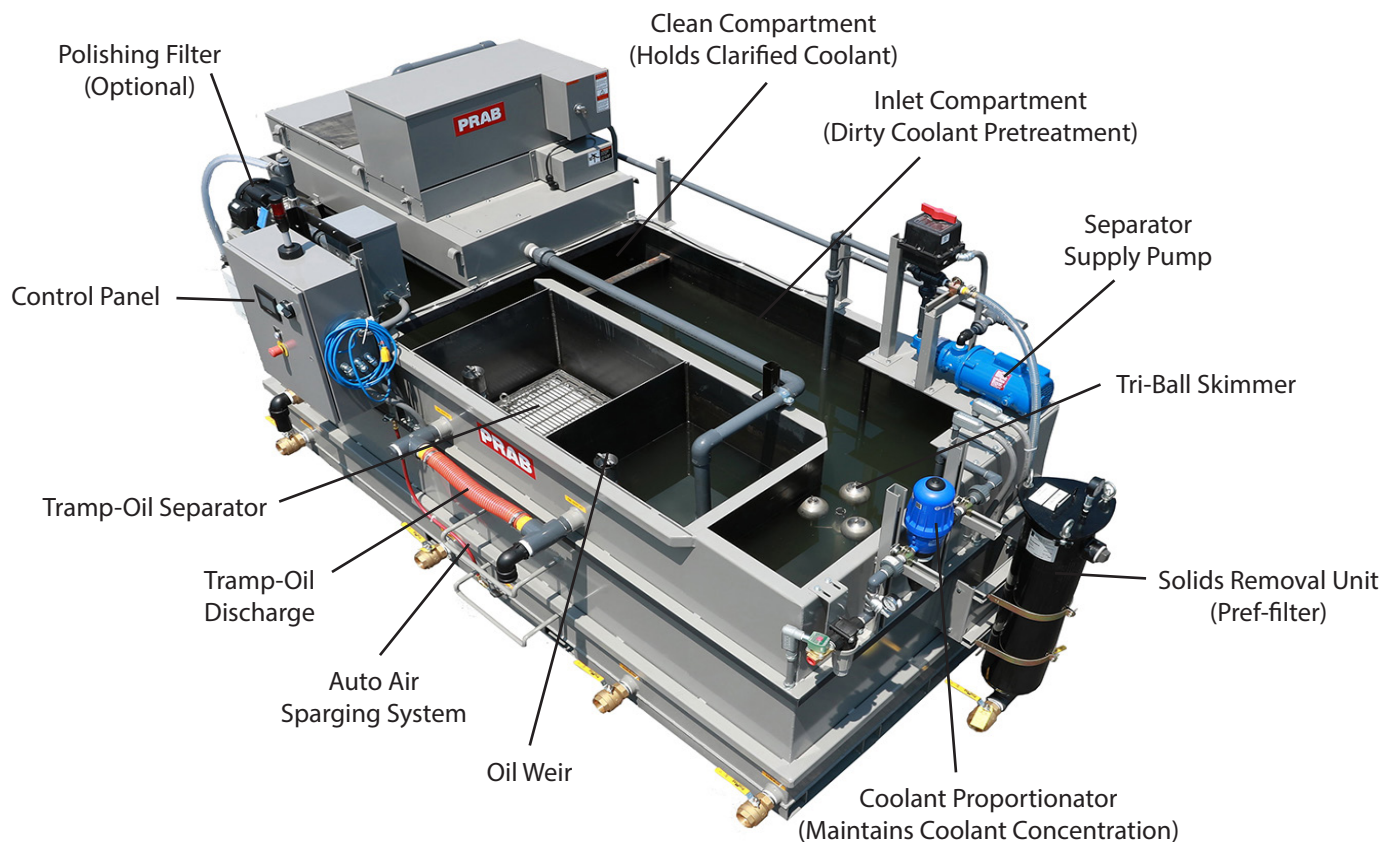
# PRAB GUARDIAN™ COOLANT RECYCLING SYSTEM

## REDUCES NEW COOLANT PURCHASES UP TO 75%

### Easy to Operate & Maintain

The PRAB Guardian Coolant Recycling System is furnished with an automatic air sparger to maintain clean coalescing media, a high level tramp-oil switch that turns the system off when the tramp-oil container is full, thus eliminating the potential for tramp-oil spillage, and a full control panel for ease of operation. Backed by a 100% Performance Guarantee.

| Model  | Processing Rate<br>Gallons Per Minute | Dirty/Clean Tank<br>Capacity (Gallons) | Overall<br>Length | Overall<br>Width | Overall<br>Height |
|--------|---------------------------------------|--|-------------------|------------------|-------------------|
| HG400  | 10                                    | 200/200                                | 89"               | 73"              | 72.5"             |
| HG600  | 10                                    | 300/300                                | 126"              | 74.5"            | 76.6"             |
| HG800  | 15                                    | 400/400                                | 154"              | 76.5"            | 78.8"             |
| HG1200 | 15                                    | 600/600                                | 168.6"            | 77.5"            | 86.1"             |
| HG1600 | 25                                    | 800/800                                | 179.8"            | 90.3"            | 94"               |
| HG2000 | 25                                    | 1000/1000                              | 174"              | 91.3"            | 101"              |
| HG4000 | 25                                    | 2000/2000                              | 191"              | 113"             | 82"               |



Contact us to **request a quote** today

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