



# PHASEP COALESCOR

## TRAMP OIL REMOVAL SYSTEM

Clearly the best choice for re-using your coolant



YOUR "ONE-STOP-SHOP"  
FOR MACHINE-TOOL PERIPHERALS



### Using Coolant More Efficiently

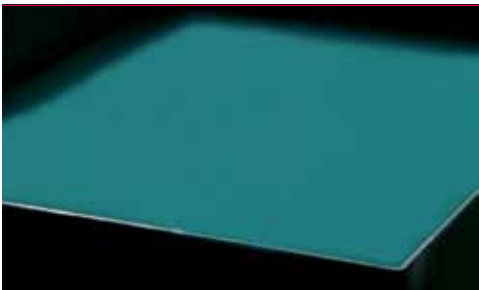
For years, aerospace, automotive and specialty manufacturers have trusted PhaSep to keep their coolant clean and their machines more productive. PhaSep's patented technology outperforms the competition and provides years of service, making PhaSep clearly better at handling oily fluid problems. Oil contamination is the number one cause of metal working fluid disposal. PhaSep's patented oil removal technology will improve metal working fluid life by at least 100%, drastically reducing the need for hazardous waste disposal.



### Simple Payback

Oil contamination is the number one cause of metal working fluid disposal. Metal working fluids lose valuable cooling and lubrication properties when contaminated with oil and fines. Part quality and tool life are drastically compromised.

An independent study has shown that PhaSep's patented oil removal technology will improve metal working fluid life by at least 100%, reducing the need for new coolant. Coolant disposal cost is eliminated and tool life is increased by up to 25%. Clean coolant does not need replacing and is a much more efficient lubricant adding to tool life.



### Benefits for the Operator

Improving the working environment for operators helps your production continue to run smoothly and efficiently.

PhaSep not only helps keep your coolant clean, it helps keep your environment clean as well. Bacteria grows and feeds on the contaminants in coolant. This bacteria is the leading cause of operator dermatitis and the foul smell associated with rancid coolant.

Removing the tramp oil eliminates the food source and the bacteria, providing a safe, healthy, more pleasant environment for the machine operator.



### Minimal Maintenance

Any coalescing system requires maintenance. With PhaSep's unique design, little time is spent keeping the unit at peak performance.

PhaSep requires little maintenance. Cleaning takes only minutes with removable plate packs and is recommended three to four times per year. All steel construction and no internal wear parts provide years of continuous service. These patented steel plates are impervious to oil contamination associated with plastic coalescing media. PhaSep operates continuously with little or no attention needed.



## Processing Capability

Eliminating tramp oil requires a superior design. Positive coolant flow, superior float design and simple oil separation are key success factors.

Unlike competitive belt and wheel skimmers, the PhaSep draws coolant into the coalescing box at a minimum rate of 1,000 gallons per day. Frequent tank volume turnover guarantees oil removal. The Tri-Ball Float captures the oil where it accumulates most, at the surface of the coolant. A simple weir dam arrangement captures the oil and sends it to a holding tank for disposal. Clean coolant is gravity fed back to the machine sump.



## Product Versatility

For most processing applications, a PhaSep dedicated unit provides the maximum oil removal for the minimum investment. The "Mini" and "Junior" units process sumps from 40-200 gallons. Larger units can be designed for up to 400 GPM flow, making them ideal for waste water treatment and central coolant systems.



## Designed to Meet Your Needs

Available in a wide variety of designs to match how you would like to process your coolant; stand alone, portable stand alone, portable batch or central systems. Stainless steel models are available to remove oils from alkaline or acidic liquids. Parts washer applications are a good example of stainless steel use.



## Long-Standing Dependability

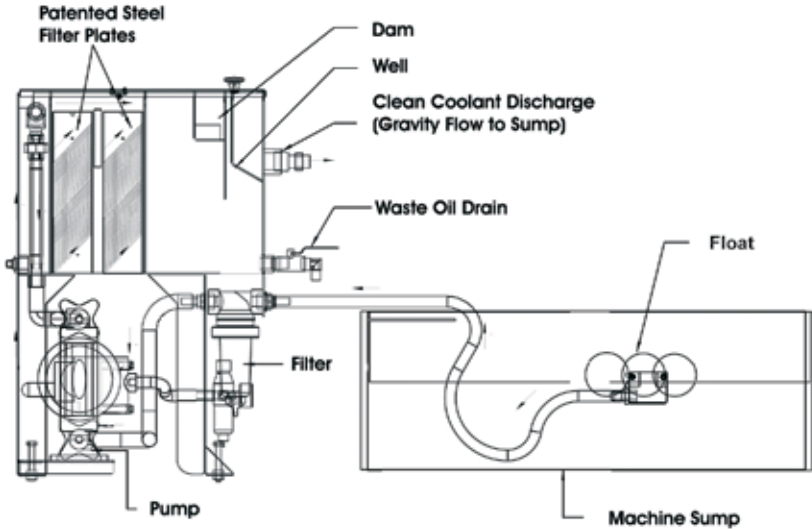
The PhaSep is designed with an all steel construction; no media to replace or dispose of. Years of dependable service.



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## TECHNICAL SPECIFICATIONS

Designed to meet your requirements



CPS Mini	CPS Junior
1/2 to 3/4 GPM Process Rate, 17" x 16" x 24"	1 1/2 GPM Process Rate, 24" x 16" x 24"
Coolant tank processing to 75 gallons	Coolant tank processing to 150 gallons
Optional Portable Package	Optional Portable Package
For additional sizes and options, please contact your LNS Regional Manager	

**YOUR "ONE-STOP-SHOP" FOR MACHINE-TOOL PERIPHERALS**

LNS provides a full range of barfeeders, chip conveyors, coolant management systems, air filtration systems, and workholding systems that is second to none on the market. We are known in the industry for the solid experience we have gained over several decades in an exceptionally wide range of applications, our excellent customer service, and our technical support. This support is ensured by highly qualified technicians who are available throughout North America.



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