



PHASEP

TRAMP OIL REMOVAL SYSTEM



THE BEST CHOICE FOR RE-USING YOUR COOLANT

Oil contamination is the number one cause of metalworking fluid disposal. PhaSep's unique oil removal technology can improve metalworking fluid life by 100%, drastically reducing the need for hazardous waste disposal, at the same time reducing cost on replacement coolant.



YOUR ONE-STOP-SHOP FOR MACHINE-TOOL PERIPHERALS

LNS provides a full range of bar feeders, chip conveyors, coolant management systems and air filtration systems which is second to none on the market. We are known in the industry for the solid expertise we have gained over several decades in an exceptionally wide range of applications, our excellent customer service and technical support. This support is ensured by highly qualified technicians who are available at key locations throughout Europe.



YOUR ONE-STOP-SHOP FOR MACHINE-TOOL PERIPHERALS

SIMPLE PAYBACK



Metalworking 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 unique oil removal technology will improve metalworking 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.



MINIMAL MAINTENANCE

PhaSep requires little maintenance. Some maintenance is required, but little time is spent keeping up-time to the maximum. The cleaning takes only minutes with a removable coalescing pack and is recommended three to four times per year.

All-steel frame construction and no internal parts to wear provides years of continuous service. The internal coalescing pack is impervious to oil contamination associated with some coalescing media. The pneumatic pump of PhaSep operates continuously, the system does not require electrical power with little or no attention needed.



PROCESSING CAPABILITY

Eliminating tramp oil requires an advance 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 2,200 litres per day. Frequent tank-volume turnover guarantees oil removal. The Tri-Vortex, 3-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.



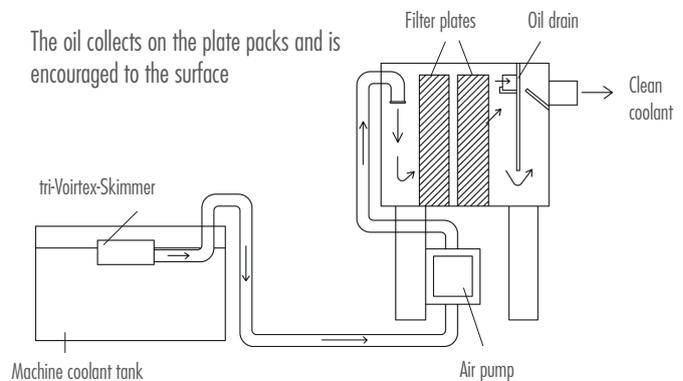
LNS ECO

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

PhaSep not only helps keep your coolant clean, it also helps keep your environment clean. 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.

SYSTEM SCHEMATIC

CPS Mini	2.25 to 3.4 L/Min Process Rate, 530 x 430 x 835 mm
	Coolant tank processing up to 400 Lt
	66 kg net weight



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