

Chip Trapper™

Filter the chips out of your used coolant and cutting oils!

Vacuums in the liquid with solids, pumps out only the liquid!

What Is The Chip Trapper™?

The new Chip Trapper™ (patent pending) offers a fast, easy way to clean chips, swarf and shavings out of used coolants and other liquids. The Chip Trapper vacuums the coolant or liquid that is filled with debris and traps all the solids in a reusable filter bag. Only the liquid pumps back out. It is ideal for use on machines with sumps, parts washers, tanks and storage containers of contaminated liquids.

The Chip Trapper uses EXAIR's compressed air powered Reversible Drum Vac (included) that can fill or empty a 55 gallon drum in less than two minutes. Simply set the Reversible Drum Vac pump and directional flow control valve on top of the drum to "fill" for it to quickly vacuum the liquid with solids. Once the sump, pit or tank is empty, set the pump and directional valve to "empty" for it to pump out clean coolant/liquid. All the chips and other solids are trapped inside the reusable filter bag of the Chip Trapper.

Why The Chip Trapper?

A sudden lack of coolant flow in a machining operation will likely damage the part and expensive tooling. Machine tools commonly discharge some chips and shavings into the coolant sump. As the chips accumulate and mound up, the coolant flow used to flood the part and tooling becomes restricted. Some high pressure coolant systems sound an audible alarm and abruptly shut down the machine when low coolant flow occurs. This results in downtime to fix the problem and clear the alarm. That isn't the case with standard machines where immediate damage can occur if the operator fails to spot the lack of coolant. Regular cleaning of the coolant sump with the Chip Trapper can quickly eliminate this very costly problem.

Applications

- Lathes
- Saws
- Mills
- Drills
- Parts washers
- Pits
- Tanks
- Containers

Advantages

- Removes unwanted solids from liquid
- Recycles coolants
- No moving parts
- No motors to clog or wear out
- Self priming stainless steel pump
- Safe - no electricity
- Built-in pressure/vacuum relief
- Drum is included
- Spill free – auto safety shutoff
- Quiet

NEW



Chips can accumulate in the sump, restricting coolant flow.



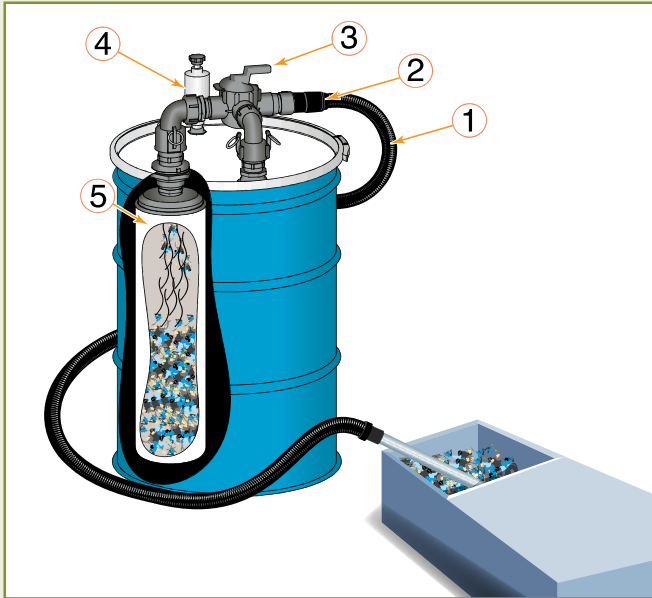
The Chip Trapper pumps the coolant back into the sump – free of chips and debris.



The 5 micron filter bag traps all the chips so no solids get pumped back out of the drum.

Chip Trapper

How The Chip Trapper Works



The vacuum hose (1) is attached to the barbed connection of the Chip Trapper (2). The directional flow control valve on top of the drum (3) and knob on the pump (4) are set to the "fill" position. The air supply valve is opened to permit compressed air at 80-100 PSIG (5.5 – 6.9 BAR) to flow through the pump which pulls the liquid through the hose, then into the reusable filter bag (5). When all liquid is in the drum, the air supply is turned off. The filtered liquid can then be pumped out by setting the directional flow control valve on top of the drum and knob on the pump to the "empty" position. Once the air supply valve is opened, the air pushes the liquid back through the hose while all solids remain in the reusable filter bag.

Warning: Do not use with any material with a low flash point or with flammable liquids such as fuel oil, alcohol, mineral spirits, gasoline, or kerosene.

Chip Trapper Specifications

Pressure Supply 80 PSIG (5.5 BAR)	Air Consumption		Water Flow Rate		
	DESCRIPTION	SCFM	SLPM	GPM	LPM
	Model 6198 CHIP TRAPPER	19	538	30	114

The filter bag provides 5 micron filtration.

Built To Last

The stainless steel pump has no motors or impellers to clog or wear out and there is no electricity or shock hazard! Safe operation is assured with a built-in pressure/vacuum relief and an automatic safety shutoff valve that prevents spills or overfilling.



The Chip Trapper includes the pump assembly with directional flow valve, a 55 gallon drum, 10' (3m) chemical resistant hose, 20' (6.1m) compressed air hose, aluminum chip wand, (2) reusable 5 micron filter bags and drum dolly.

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at EXAIR.com

Chip Trapper Systems

Model #	Description
6198	Chip Trapper includes the Reversible Drum Vac pump assembly, directional flow valve, 55 gallon drum, lever lock drum lid, shutoff valve, 10' (3m) flexible vacuum hose (1-1/2"/38mm I.D.), 20' (6.1m) compressed air hose, chip wand, (2) filter bags and drum dolly.

Accessories

Model #	Description
901060	Replacement Filter Bag, 5 micron
6901	Spill Recovery Kit includes a one-piece 54" (1372mm) ABS wand and 14" (356mm) double blade squeegee tool
9001	Auto Drain Filter Separator, 3/8 NPT, 65 SCFM (1841 SLPM)
9005	Oil Removal Filter, 3/8 NPT, 15 - 37 SCFM (425 - 1048 SLPM)

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