

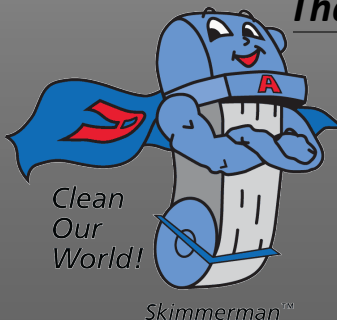
# ABANAKI®

## OIL SKIMMERS Coolant Maintenance Guide



A comprehensive guide for solutions to coolant and tramp oil maintenance from the world's most trusted oil skimming brand.

***The world leader in oil skimming technologies.***



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www.abanaki.com

# Removing Oil From Water In The Shop

Companies look for effective ways to remove oil from water or coolant to reduce costs and the liability of proper disposal. Another reason for removing the oil is a better work environment. Letting oil remain in the coolant tank allows anaerobic bacteria to grow. Anaerobic bacteria break down the components of coolant, causing it to need changing more frequently. Oil-laden coolant with a high anaerobic bacteria content has two other drawbacks as well. The first drawback is an unpleasant odor caused by the bacteria. The second drawback the smoke generated from the oil-laden coolant coming in contact with the operating cutting tool. One of the easiest ways to remove hydrocarbons from water or coolant is by using a belt oil skimmer. It is a low maintenance, easy to use tool for removing oil from water or coolant.

Belt oil skimmers work because of the differences in specific gravity between oil and water. Water has a specific gravity of one. Most oils have a specific gravity of less than one. Because of these differences, oil floats to the top of the water where it can be removed. A belt oil skimmer uses oil oleophilic material, (usually made of stainless steel or plastic), in the form of a belt to break the surface tension of the water to attract and collect the floating oil. The belt passes through a set of wiper blades via a motorized head pulley where the oil is wiped off both sides of the belt. The oil then flows through the skimmer troughs and into a proper disposal container. Because the belt materials used do not attract water, very little coolant or water is picked up.

Some of the advantages of using a belt oil skimmer over other methods to remove oil are the lower initial cost compared to coalescers and other filtration systems, low maintenance, no filters to change, and no mess involved as with absorbent booms or pads. With an oil skimmer, virtually the only required maintenance is replacing a belt and wiper blade set as needed. Next, Abanaki skimmers require very little operating space, usually with no modification to the tank. Finally, our oil skimmers have pick-up rates of up to 200 gph with minimal water or coolant content. Other forms of oil removal cannot perform as well.

There are many instances where companies have turned their disposal costs into income. By using an Abanaki oil skimmer to remove oil from the coolant, one company was able to sell its used oil to be recycled instead of being charged to have the oil-contaminated coolant disposed of. Another money saving benefit was an extended coolant life resulting in lower coolant and maintenance costs. Because of this, the Abanaki oil skimmer paid for itself in a short period of time.

Abanaki Corporation manufactures a wide variety of oil skimmers to meet any size application. From a small coolant tank in a CNC lathe to a scale pit in a steel mill, Abanaki Corporation can supply a skimmer to do the job. We manufacture skimmers that can remove from 1 gallon per hour to 200 gallons per hour. We offer turnkey systems with a variety of motors, heat options, stands, and oil concentrators. Our skimmers are used on parts washers, in car washes, wells, steel mills, and any other industry where hydrocarbons need to be removed.

# The Advantages of Using an Oil Skimmer in the Machining Industry

The use of a machine center skimmer holds many benefits including:

**Reduction of Disposal Costs:** The cost of disposing oil laden coolant is more expensive than the disposing of oil.

**Recycling Opportunities:** In some instances, companies may be able to re-use the skimmed oil elsewhere or sell it for recycling, choosing to keep their part of the world cleaner.

**Extend Coolant Life:** Having oil free coolant can also extend its usefulness and effectiveness, reducing the expense on maintenance and coolant replacement.

**Esthetic Benefits:** Removing the oil from a machine coolant tank will cut down on the amount of smoke generated from the cutting tool coming into contact with oil laden coolant thereby creating a visibly cleaner workplace.

**Extend Tool Life:** Removing floating surface oils while aerating and refreshing coolant will extend tool life as well.

**Avoid EPA Violations:** Many machining and metal working shops turn to aqueous parts cleaning because of limits imposed by the EPA on the discharge of emissions and wastes.

**Hygienic Benefits:** Keeping coolant oxygenated and oil-free reduces the "rotten egg" odor and bacterial levels are lowered resulting in a cleaner work environment.



## Mighty Mini® SST Belt Oil Skimmer

The ideal solution to remove unwanted tramp oil in coolants & parts washers! **Effective.** Removes one (1" wide belt) or two (2" wide belt) gallons or more of medium weight oil per hour.

**Compact.** Use it almost anywhere...even through a 2" dia. bunghole in a drum. **Portable.** Use it here today, there tomorrow. Weighs only 7 pounds, installs in seconds and runs on 110v. power. 220v motor available. **Complete.** Put it to work right out of the box, or add the option, easy-to-install decanter and brackets for an even more efficient system.

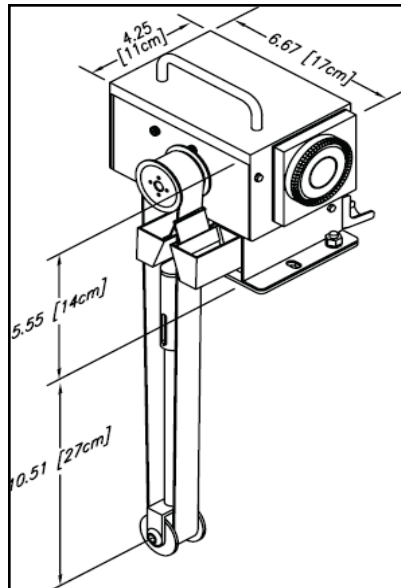
**Durable.** Includes long life fan-cooled motor, sturdy 304 stainless steel construction with integrated 24 hour timer. Every Abanaki skimmer is backed as well as it's built. We do it right or you don't pay!

- Fan-cooled motor
- 1" and 2" wide stainless steel or specially-engineered plastic belts
- Both sides of belt are wipes for better efficiency
- 304 stainless steel base and housing
- Spring-loaded stabilizer bar
- 3-foot clear discharge hose and clamp
- 8-foot grounded power cord w/plug
- Integrated 24 hour timer



Optional **Magni-Cling** attachment available. Magnetic mounting allows for your skimmer to install with ease, anywhere in your shop!

| MODEL    | BELT WIDTH | BELT LENGTH |
|----------|------------|-------------|
| SMMS1-06 | 1"         | 6"          |
| SMMS1-12 | 1"         | 12"         |
| SMMS1-18 | 1"         | 18"         |
| SMMS1-24 | 1"         | 24"         |
| SMMS2-06 | 2"         | 6"          |
| SMMS2-12 | 2"         | 12"         |
| SMMS2-18 | 2"         | 18"         |
| SMMS2-24 | 2"         | 24"         |



*"Within 5 hours of instillation we were able to drain 6 liters of oil from one machine. My boss and myself are completely convinced of the reliability of this product."*

**-Johnny J. TLS Precision**



## Ultra-Mini™ Oil Skimmer

The Ultra-Mini is the **smallest skimmer** in the Abanaki product line, weighing only 2.2 pounds. The small footprint makes efficient use of available space... it fits underneath most CNC machines as well as inside parts washers. The compact design allows the Ultra-Mini Oil Skimmer to be concealed anywhere! This skimmer can be used with **12/24v power**, allowing it to be **wired directly** into the machining center control panels or plugged into an 110v wall outlet. Belt lengths of 8, 12, 18 and 24" are available for this model.

- Stainless Steel construction
- Cogged belt available in 8, 12, 18, and 24" lengths
- Removes oil at rates up to 1 gallon per hour
- 2.2 lbs; smallest/lightest oil skimmer in Abanaki line
- Compact size allows skimmer to be hidden in application
- Can be used with 12/24v power allowing to be wired directly into machining center or into a 110v wall outlet
- Weighted tail pulley prevents belt from slipping during operation
- Extremely affordable even for small business operations

Optional **Magni-Cling** attachment available. Magnetic mounting allows for your skimmer to install with ease, anywhere in your shop!



| MODEL  | BELT WIDTH | BELT LENGTH |
|--------|------------|-------------|
| SUM-08 | 1"         | 8"          |
| SUM-12 | 1"         | 12"         |
| SUM-18 | 1"         | 18"         |
| SUM-24 | 1"         | 24"         |



## Mighty Disk™ Tramp Oil Skimmer

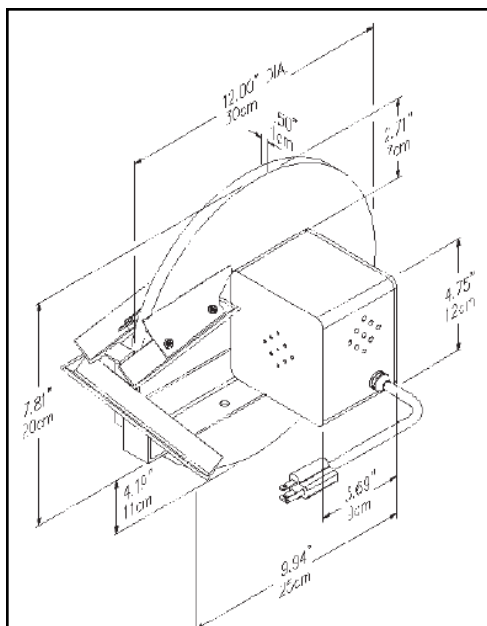
The inexpensive way to remove unwanted tramp oils from CNC coolants and parts washers, but with all the quality that you expect from Abanaki! **Effective.** Removes up to 1 1/2 gallons of oil or more of medium weight oil per hour. **Compact.** Use it almost anywhere a flat surface is available for mounting. **Portable.** Weighs less than 10 pounds, installs in no time, and runs on 110v power. **Complete.** Put it to work right out of the box.

### Standard Features:

- Available in 12", 18", and 24" diameters
  - 110v fan-cooled motor
  - High temperature disk material
  - Quality construction

### Optional Features:

SS construction with integrate 24 hour timer

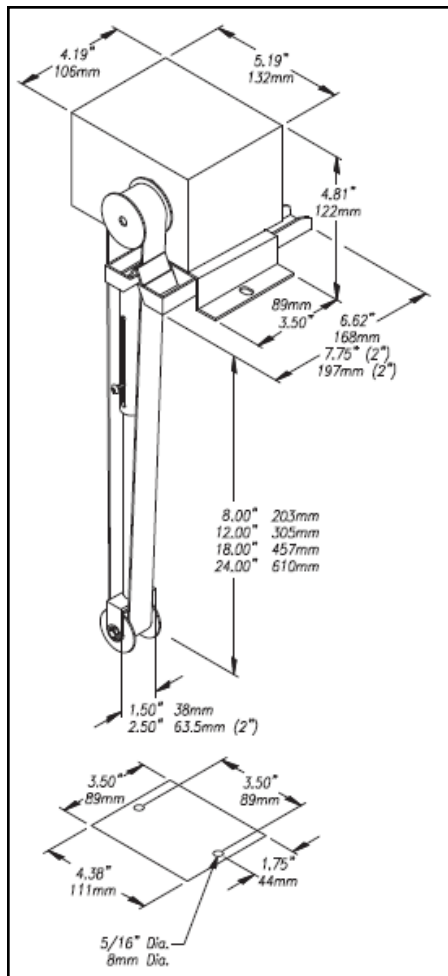


| MODEL  | DISC DIAMETER |
|--------|---------------|
| SMD-12 | 12"           |
| SMD-18 | 18"           |
| SMD-24 | 24"           |



## Li'l Blue - Portable Belt Oil Skimmer

- Fan-cooled motor
- 1" oleophilic belts or specially-engineered plastic belts
- Both sides of belt are wiped for better efficiency
- Engineered polymer base and housing
- Spring-loaded stabilizer bar
- 3-foot clear discharge hose and clamp
- 8-foot grounded power cord w/plug
- Stainless steel oil skimming units available

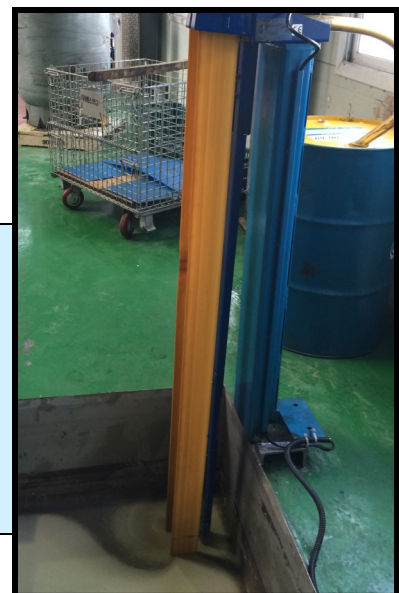


Optional **Magni-Cling** attachment available. Magnetic mounting allows for your skimmer to install with ease, anywhere in your shop!

| MODEL  | BELT WIDTH | BELT LENGTH |
|--------|------------|-------------|
| SLB-08 | 1"         | 8"          |
| SLB-12 | 1"         | 12"         |
| SLB-18 | 1"         | 18"         |
| SLB-24 | 1"         | 24"         |

*"We were impressed with its ability to remove oil and have such a simplistic design. They were very easy to install and have delivered nothing but consistent oil removal. We have saved so much money on labor and time since installing the Tote-Its in our sump stations."*

**-Bob Zussy. Allegheny Ludlum**





## Cool Disk Skimmer

The inexpensive way to remove unwanted tramp oils from CNC coolants and parts washers, but with all the quality that you expect from Abanaki!

- Durable engineered polymer housing won't corrode
- Capped troughs prevent oil drips
- Boomerang blades wipe more oil off disk

Shaft is sealed to prevent premature motor wear from oil contamination

Disk type tramp oil skimmer with 1/2" x 12" disk and 110v fan cooled gear motor. Disk skimmer is constructed entirely of plastic and features plastic motor housing and frame.



| MODEL  | DISC DIAMETER |
|--------|---------------|
| SCD-12 | 12"           |



# New to Oil Skimming?

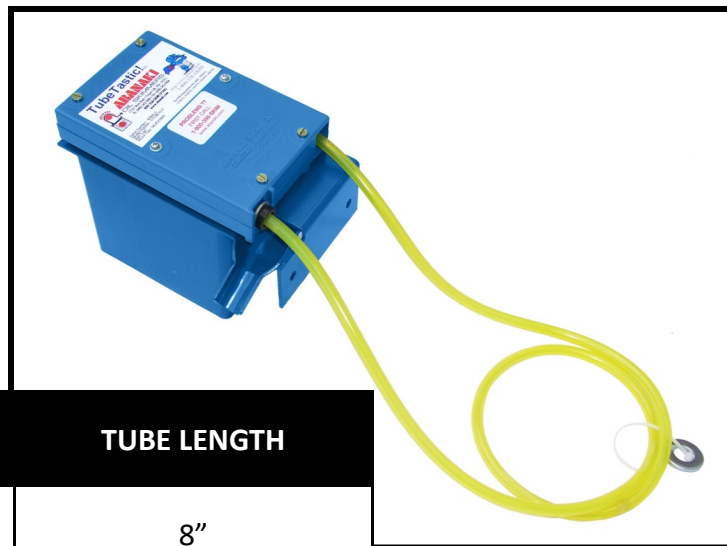




## TubeTastic!™ Tube Oil Skimmer

The Abanaki TubeTastic! oil skimmer can be used on machining centers with little or no access to the CNC coolant sump from above. This unit can skim oil from chip conveyors or even totally enclosed machining centers!

- Fan-cooled continuous duty motor
- Oil pickup rate of up to 1 1/2 g.p.h.
- Works in places where other skimmers can't



| MODEL      | TUBE WIDTH | TUBE LENGTH |
|------------|------------|-------------|
| STUBE1-08  | 3/8"       | 8"          |
| STUBE1-12  | 3/8"       | 12"         |
| STUBE1-18  | 3/8"       | 18"         |
| STUBE1--24 | 3/8"       | 24"         |

\*Longer lengths available.



**ODM 50 with TubeTastic! Mounting Bracket**

### Reduce Disposal Costs & Increase Efficiencies!

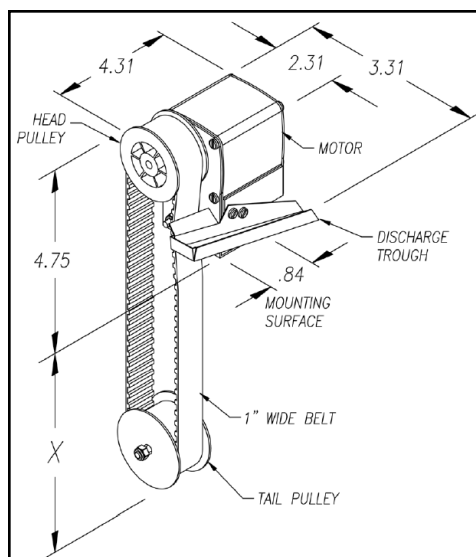
Use the Oil Concentrator to remove the fine layer of oil that can be found at the end of the skimming cycle. **See page 19 for more details.**

## EconoMini™ Coolant Skimmer

The EconoMini belt oil skimmer is an ultra-compact belt oil skimmer designed for use in coolant sump and parts washer applications. The skimmer can fit in tight spaces where other skimmers can't.

### Standard Features:

- Long lasting, quiet 110v 1ph 60 Hz motor
- Polyurethane and stainless steel belts available
- Tethered tail pulley
- 8, 12, 18, and 24" lengths available
- Tiny Footprint; requires little mounting space
- No assembly required



| MODEL  | BELT LENGTH |
|--------|-------------|
| SEM-08 | 8"          |
| SEM-12 | 12"         |
| SEM-18 | 18"         |
| SEM-24 | 24"         |



*Put an end to that nasty rotten egg smell.*

- Eliminates coolant odors immediately by neutralizing hydrogen sulfide gases
  - Safe to handle and easy to use
  - Not a perfume
  - No disposal problems
  - Contains no formaldehyde
- Safer and less expensive than biocides
- 1 tablet per week maintains 25 gallons of coolant
  - 15 tablets per tube



| MODEL  | TABLETS |
|--------|---------|
| CMINTS | 15      |



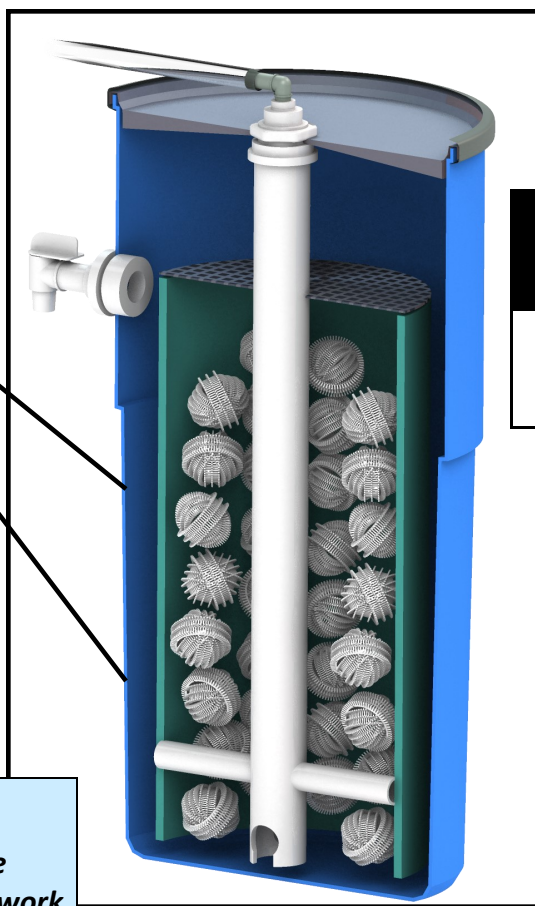
## How To Find Your Oil Skimmer

| Removal Capacity | INDUSTRIAL OIL SKIMMERS |         |                     |                     |                      | SPECIAL PURPOSE SKIMMERS |                     |
|------------------|-------------------------|---------|---------------------|---------------------|----------------------|--------------------------|---------------------|
|                  | Mighty Mini             | Tote II | Oil Grabber Model 4 | Oil Grabber Model 6 | Oil Grabber Model 10 | Groundwater Remediation  | Heavy Oil or Grease |
| 1 GPH            | ✓                       | ✓       | x                   | x                   | x                    | ✓                        | x                   |
| 2 GPH            | ✓                       | ✓       | x                   | x                   | x                    | ✓                        | x                   |
| 3 GPH            |                         | ✓       | x                   | x                   | x                    | ✓                        | x                   |
| 6 GPH            |                         | ✓       | ✓                   | x                   | x                    | ✓                        | x                   |
| 12 GPH           |                         | ✓       | ✓                   | x                   | x                    | ✓                        | x                   |
| 16 GPH           |                         |         | ✓                   | ✓                   | x                    |                          | x                   |
| 20 GPH           |                         |         | ✓                   | ✓                   | x                    |                          | ✓                   |
| 40 GPH           |                         |         |                     | ✓                   | ✓                    |                          | ✓                   |
| 80 GPH           |                         |         |                     |                     | ✓                    |                          | ✓                   |
| 120 GPH          |                         |         |                     |                     | ✓                    |                          | ✓                   |
| 160 GPH          |                         |         |                     |                     | ✓                    |                          | ✓                   |
| 200 GPH          |                         |         |                     |                     | ✓                    |                          | ✓                   |

## Cooler™ Coolant Refresher

The Abanaki Cooler is a must for any machine shop dealing with machine tool coolant. This unit will extend CNC coolant life, reduce disposal costs, eliminate down time, improve tool life and help prevent dermatitis.

- Leak proof fittings
- Crush resistant hose
- One year warranty
- Self contained system
- Coalescing cartridge never needs to be replaced



MODEL

CLR-B

*"We had a coolant sump that was in bad shape. We figured if the Cooler could clean it, then it could work on anything. After running the Cooler for 6 weeks, the once dirty and oil laden coolant was almost brand new. We were pleasantly surprised by this equipment's ability to clean the dirtiest coolant we had."*

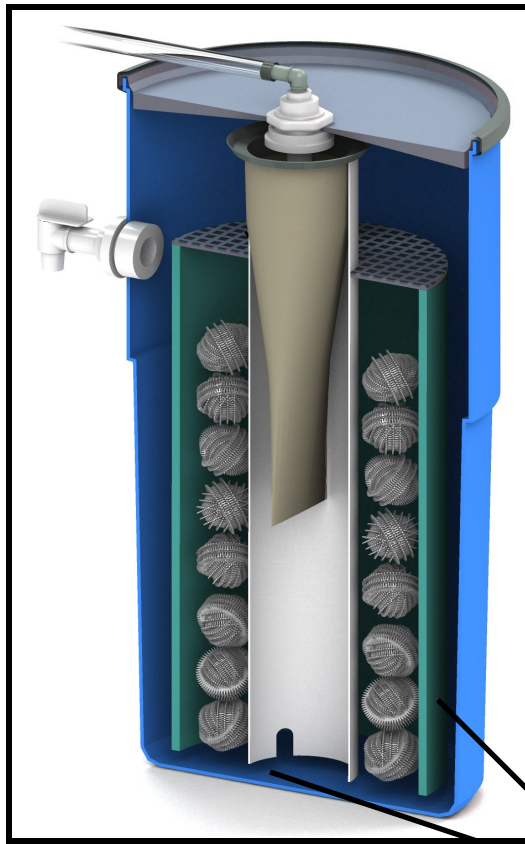
-Matthew R. Pure Solve

### Technical Information

|                    |                     |
|--------------------|---------------------|
| Barrel Dimensions: | 16" Dia. X 30" High |
| Capacity:          | 15 Gallons          |
| Pump:              | 1 gallon per minute |
| Power:             | 110v, 60Hz          |



## Cooler with ChipStop Filter

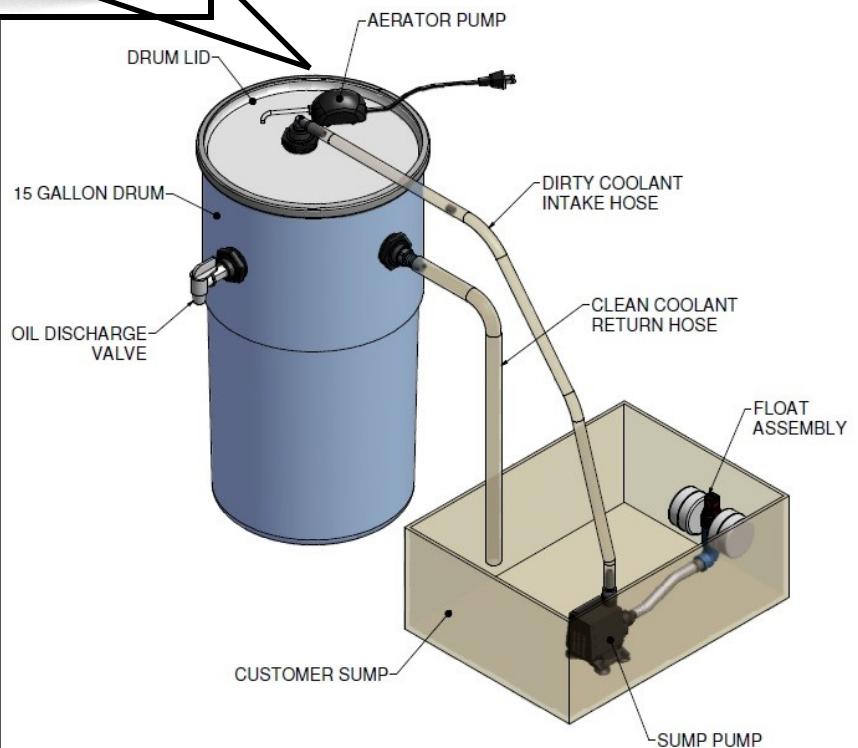


MODEL

CLRF-B

With the ChipStop Filter, all metal shavings or particulate that are generated in the machining process will get collected during the filtration process, leaving the shop with clean, reusable coolant.

- Leak proof fittings
- Crush resistant hose
- One year warranty
- Self contained system
- ChipStop Filter collects particulate
- Coalescing cartridge never needs to be replaced



## Q-VAC™ 100

Empties coolant from sump

- Vacuums oil, coolant, and other floor spills
- Removes surface decontaminates from process baths
- Empties tanks and drain pits
- Vacuums containers and vats absolutely dry
- Minimizes use of absorption materials
- Fits on a standard 55 gallon, open top drum
- Requires no filters
- Contains no parts to break or replace



| MODEL   | DESCRIPTION                        |
|---------|------------------------------------|
| QVAC1   | 55 GAL DRUM AIR VACUUM             |
| QVACOT  | 55GAL DRUM FOR OPEN TOP LIQUID AIR |
| QVACDLX | AIR VAC W/DRUM CART COMPLETE DRUM  |
| QVACX   | 55 GAL DRUM/HAZ LIQUID EXP PRF AIR |

## Chiperator™

*Save money by making old coolant useable again.* The Chiperator is an inexpensive way to clean dirty machine sumps. The air driven Chiperator quickly separates chips and swarf from liquids. It drains or refills its 55 gallon drum in less than 2 minutes! Simply suck up coolant laden with chips, swarf and muck, and the Chiperator strains the unwanted solids. The Chiperator then pumps the strained coolant back to the sump.

### Standard Features:

- Strains 40 gallons of chips and coolant per minute
- Efficient venturi design consumes less air than competitive models
- Acts as both a vacuum and a pump
- Economical, disposable filter bags make cleanup a breeze
- Filters out chips and shavings from plastic, steel, aluminum, ceramic, etc.
- Quiet; less noise than other air driven or electrical units
- No moving parts
- Equipped with float valve to automatically shut off unit when drum is full
- Equipped with automatic pressure relief valve for added safety
- Complete with on/off valve for easy shutoff



Gary Ott at Hahn Manufacturing uses the Chiperator to clean out a sump.



| MODEL | FEATURES      |
|-------|---------------|
| CHIP  | No Drum       |
| CHIPD | Drum Included |



**EconoMixer 100** Coolant Proportioning Mixer and Dispenser drum or wall mounted proportioners automatically mix liquid coolant concentrates with water and dispense the diluted solution into any sump or container. Increased productivity of employees

- Efficient use of space
- Enhanced safety
- Maximized cleaning product performance
- More conscientious response to environmental concerns.



**EconoMixer 100**



The **EconoMixer 200** is designed for speed, accuracy, and cost savings. Simply insert the unit into a 15 – 55 gallon drum of coolant concentrate and connect a water line to the unit.

**EconoMixer 200**

| MODEL   |
|---------|
| EMIX100 |
| EMIX200 |

# How To Guide: Avoiding Oil Skimming Pitfalls





## Abanaki Aerators

- Prevents anaerobic bacteria from building up and spreading
- Extends coolant life
- Eliminates the "rotten egg" smell
- Quality airstone diffuser disperses air evenly
- 2 units available:
  - ◇ AA1200 injects 1200 cc/min air for small sumps
  - ◇ AA5000 injects 5000 cc/min injects for large sumps



### ChillyBits™

The ChillyBits air chiller uses compressed air to produce cold air to directly cool bits and tooling during machining operations.

- Eliminates mist cooling
- Uses no Freon
- Magnetic base for easy mounting
- Extends tool life
- Adjustable tip for precision tooling

| MODEL | CFM<br>(CUBIC FEET/MINUTE) |
|-------|----------------------------|
| CB1   | 15 CFM                     |
| CB3   | 8 CFM                      |

### pH Meters

The **Abanaki pH Meter** is an effective way to easily measure the pH level of coolant from a range of 0 - 14.

#### Standard Features:

- 0-14 pH range, operating temperatures: 5° C to 50° C
  - ATC: automatic temperature
  - compensation for accuracy!
- Power supply: DC4 X 1.5V (button battery)
  - 1-year warranty against defects



| Model |
|-------|
| pH-A  |

## ChillyBox Panel Chiller

The Abanaki ChillyBox Panel Chiller is designed to cool NEMA 4 & NEMA 12 industrial cabinets using filtered compressed air. The ChillyBox helps maintain temperature and air quality within the enclosure, helping to reduce loss of production time that typically occurs when control panels overheat.

Abanaki's ChillyBox kit works with your existing control panel box.

### Kit Includes:

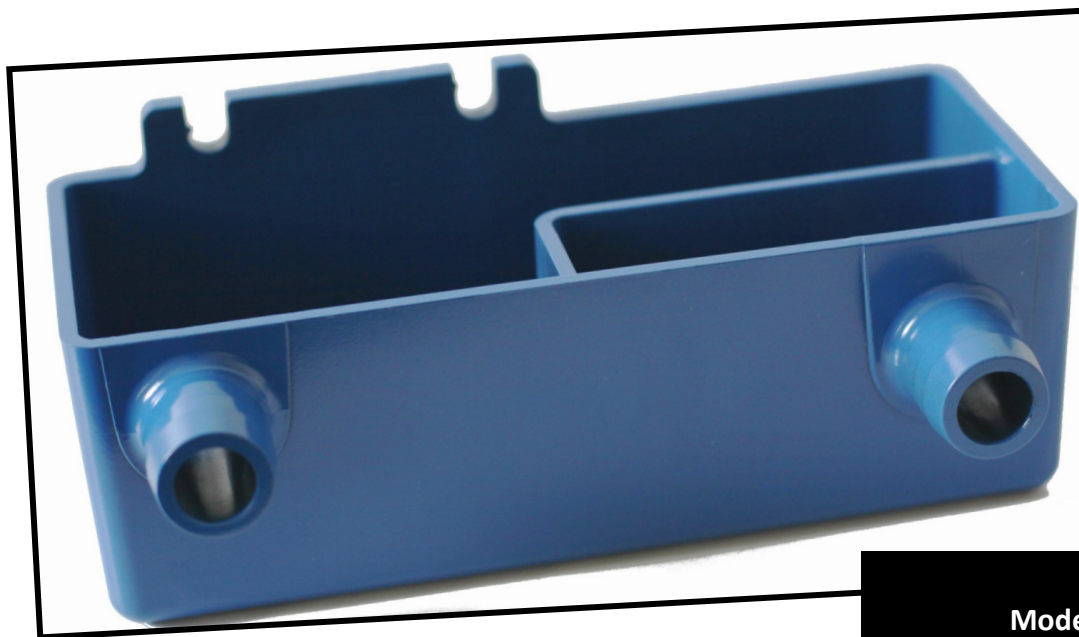
- ChillyBox Panel Chiller
- Solenoid
- Air filter
- Barbed fitting nut
- Barbed hose fitting
- Thermostat
- Air tubing
- Air tubing plug



| Model | BTU<br>(British Thermal Unit) |
|-------|-------------------------------|
| CX4   | 400                           |
| CX9   | 900                           |

| Sizing Chart        | BTU Requirements for Cooling   |      |      |      |      |      |
|---------------------|--------------------------------|------|------|------|------|------|
|                     | Inside temperature drop needed |      |      |      |      |      |
|                     | to safe 90°F (32°C)            |      |      |      |      |      |
| Cabinet size        | Sq Ft                          | 90°F | 70°F | 50°F | 30°F | 10°F |
| 2' H x 2' W x 2' D  | 16                             | 500  | 350  | 150  | 50   | 50   |
| 3' H x 3' W x 2' D  | 30                             | 1100 | 800  | 450  | 150  | 100  |
| 4' H x 3' W x 1' D  | 32                             | 1300 | 900  | 550  | 150  | 100  |
| 5' H x 3' W x 1' D  | 40                             | 1600 | 1100 | 700  | 150  | 100  |
| 5' H x 4' W x 1' D  | 50                             | 2200 | 1400 | 900  | 300  | 150  |
| 5' H x 4' W x 2' D  | 60                             | 2600 | 1800 | 1100 | 500  | 200  |
| 5' H x 5' W x 2' D  | 70                             | 3000 | 2100 | 1300 | 600  | 200  |
| 6' H x 4' W x 2' D  | 72                             | 3100 | 2200 | 1400 | 700  | 200  |
| 6' H x 5' W x 2' D  | 84                             | 3600 | 2600 | 1600 | 750  | 200  |
| 6' H x 6' W x 2' D  | 96                             | 4200 | 3000 | 1900 | 900  | 200  |
| 7' H x 6' W x 2' D  | 112                            | 4800 | 3500 | 2200 | 1000 | 200  |
| 7' H x 7' W x 2' D  | 126                            | 5800 | 4100 | 2600 | 1300 | 250  |
| 8' H x 7' W x 8' D  | 144                            | 6500 | 4600 | 2900 | 1450 | 300  |
| 8' H x 8' W x 2' D  | 160                            | 7000 | 5200 | 3300 | 1650 | 350  |
| 8' H x 10' W x 2' D | 192                            | 8800 | 6400 | 5200 | 2100 | 450  |

## **Oil Concentrator® - Oil Water Separator**



**Model**

ODM50

The Abanaki Oil Concentrator performs as a virtually complete oil water separator for recycling or disposal of either liquid.

Under most operating conditions, Abanaki skimmers pick up oil with only small traces of water. However, as surface oil is reduced to a thin layer (1/16 inch thick or less), more water (or coolant) may be picked up along with the oil. When used in tandem with an oil skimmer, the Oil Concentrator solves this problem by providing final phase separation. The result is water (or coolant) available for recycling, and virtually water-free oil for disposal.

Installed at the discharge end of the oil skimmer, the Concentrator comes complete with mounting bracket, removable sludge screen and drain plug for easy cleaning.

### **Features**

- Mounts easily on Abanaki skimmers
- Brackets and hardware supplied by Abanaki
- Corrosion resistant finish
- Sludge screen keeps large debris out of skimmed oil
- Drain plug facilitates routine maintenance

## Refractometers

Cut coolant maintenance costs with Abanaki's new line of handheld refractometers and pH meters.

- Refractometer use improves machine shop productivity and reduces coolant maintenance costs by allowing operators to measure coolant quality quickly and easily.
- Maintaining proper coolant concentration is critical to reducing tooling costs and manufacturing high quality parts with ideal surface finishes.
- Regular monitoring can ensure that expensive concentrate is not wasted and weak coolant is boosted or replaced for maximum performance.

Coolant potency diminishes over time and, if not properly maintained, the consequences can be costly.

### Standard Features:

Abanaki refractometers are available in three models, including two with a built-in light.

#### R1-A Refractometer:

- Portable 0 - 32% Brix scale with automatic temperature compensation (ATC)
- Internal light source that uses 1.5v button batteries
- Big print scale
- Aluminum construction

#### R1-B Refractometer:

- Portable 0 - 10% Brix scale with automatic temperature compensation (ATC)
- Internal light source that uses 1.5v button batteries
- Big print scale
- Aluminum construction

#### R2/R3 Refractometer:

- Portable 0 - 32% Brix scale with automatic temperature compensation (ATC)
- Accurate to 0.2% Brix
- Aluminum construction





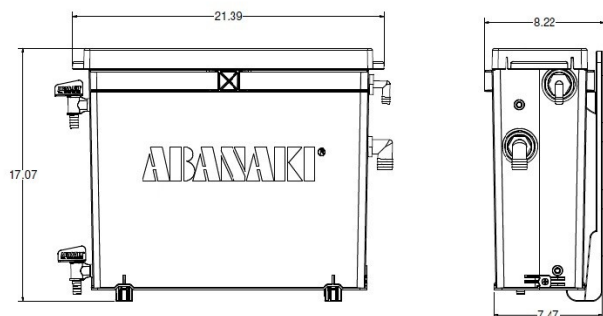
## The Oil Boss

**NEW!**

The newest product in our coolant line! Available in both pneumatic and electric models, the Oil Boss cleans your machinery's coolant in your sump or tank with minimal requirements.

Using the Magni-Cling™ system, the Oil Boss can be securely attached to any machine with a metallic surface, saving valuable floor space. The special filter media efficiently separates the oil and coolant as the coolant flow passes through, diverting the clean coolant into a secondary compartment and leaving the oil ready for drainage. The Oil Boss's patent-pending design allows for the reversal of flow, giving the unit greater flexibility in your shop. Abanaki's extended history of engineering excellence means your Oil Boss will keep your coolant clean for a long time to come, with very little maintenance required.

With low power requirements and easy parts replacement, the Oil Boss is a low-maintenance and reliable media skimmer.



| Specs                |              |
|----------------------|--------------|
| Operating Volume     | 2.7 Gallons  |
| Max Temperature (°F) | 180 degrees* |

\*tested at neutral pH, higher temperature units available



| MODEL   |  |
|---------|--|
| OC300-A | Oil Boss with Electric Pump            |
| OC300-B | Oil Boss with Pneumatic Pump           |
| OC300-C | Oil Boss with Electric High Temp Pump  |
| OC300-D | Oil Boss with Pneumatic High Temp Pump |

*The*

# RECYCLE

REVIEW

## Understanding *Coolant Recycling*

### The Benefits of Recycling Your Coolant:

#### Cleaner Work Environment

less smoke, less oil  
on floors and less  
employee skin problems

Reduce  
new coolant purchase by  
**50% to 75%**



Increase  
tool life by up to  
**33%**



Source: Clearwater Technologies

### Recycling Typically:

Reduces total  
cost of fluid  
management  
by up to **85%**



Reduces  
disposal  
cost  
by **95%**





# The Importance of Coolant Management:

Machine coolant material and disposal costs are significant and rising. Coolant consumes **16%** of machine costs, while the cost of cutting tools themselves are just **4%**!



Tool life can be significantly extended,  
**25% up to 209%,**  
with effective coolant recycling equipment

Source: Manufacturing Engineering

AS MUCH  
AS A **10%**  
LOSS

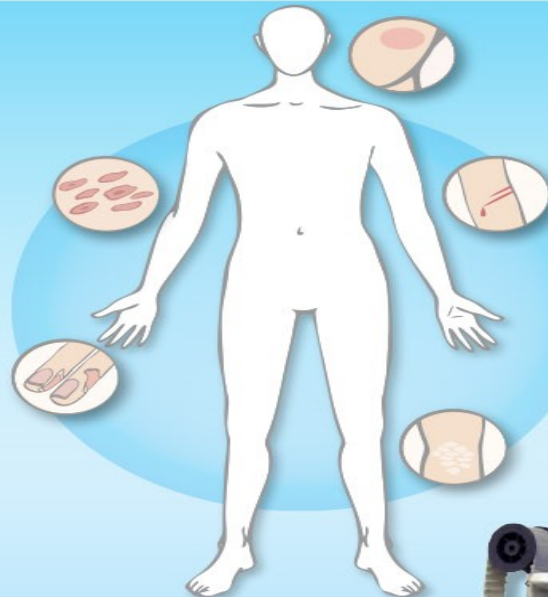
Dirty machine coolant is most expensive for the damage it does to machines. With a **\$50,000** grinder this is **\$5,000** a year!

Source: Carbide Processors Inc.

## Dermatitis/ Skin Issues:

Poor coolant management leads to skin issues/dermatitis. Annual losses from occupational skin disorders ranges between **\$222 MILLION and \$1 BILLION**

Source: U.S. Bureau of Labor Statistics



**Coolant Mints** Put an end to that nasty rotten egg smell.

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**The EconoMini™ Belt Coolant Skimmer** is an ultra-compact belt oil skimmer designed for use in coolant sump and parts washer applications.

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