

# Cyclonic Debris Removal

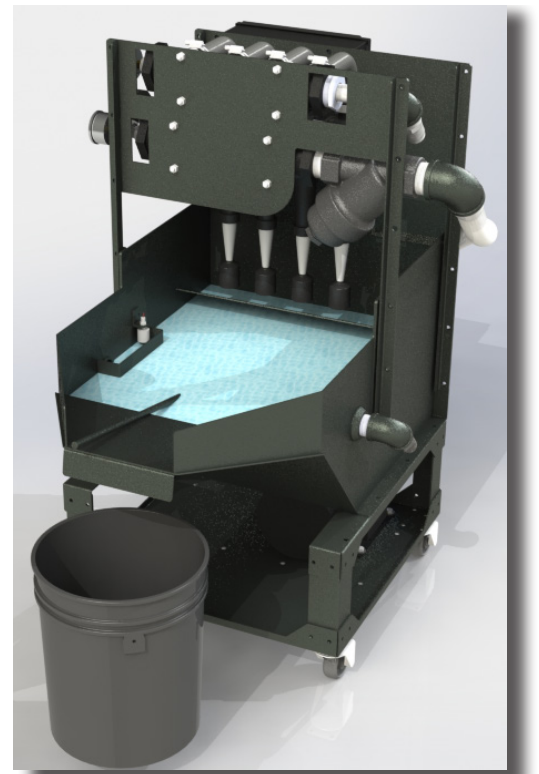
Eliminates Sludge & Fines Buildup

**Innovative. Effective. Essential.**

Made for High Volume Machining Centers, Running Multiple Shifts, with Filtering Chip Conveyors, Cutting Cast Iron or Aluminum.

- State-of-the-art Hydrocyclone System
- One of the Highest Filtering Capacities on the Market
- No Other Filtration System Compares
- No Filter Bags

Remember how well your machine ran when it was new and clean? Imagine constantly washing your machine with clean fluid, instead of letting your old dirty coolant contaminate everything in its path.



**Stop Cleaning Your Machine Tool Tank  
Start Making More Money**

**Demand Quality.** Insist on MP Systems.

**MP** Systems

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## Uninterrupted Tank Cleaning

The CDR provides constant, full-flow coolant filtration to catch and prevent fines from accumulating in your machine's coolant tank, where they contaminate the entire coolant system and machining environment. This buildup eventually takes away from valuable coolant volume and requires frequent cleanouts.

The CDR picks up the dirty coolant as it enters the tank and pumps it through a carefully engineered hydro-cyclone configuration at 80GPM. It then deposits a concentrated slurry into an easily cleanable settling tank below, and allows clean coolant to return to the machine tool tank.

When the CDR settling tank is full, simply scrape out the debris into a bucket or chip hopper without having to interrupt production.

## Key Features

- 80GPM Flow Rate
- Filtration down to 3  $\mu\text{m}$
- Cleanable Pre-Filter
- No Disposable Filters
- Low Maintenance
- 2 Year Parts Warranty

## Benefits

- Clean coolant lasts significantly longer
- Greatly extend tank cleanouts
- Improved part quality
- Less wear & tear on machine
- Overall cleaner machining environment
- Improved tool life

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Adding just 1 quart of debris a day to your tank may not seem like much, but it accumulates over time.

**One quart of debris a day is equal to:**



**45 gallons** of sludge in your tank over **6 months**



**90 gallons** of sludge in your tank over **1 year**



If you're not using the CDR, **all of that sludge is ending up and staying in your machine tool's coolant tank**, wreaking havoc on the machine and requiring frequent shutdowns for cleanouts.

**With the Help of the CDR:**

**90% Cleanliness:** extend time between tank cleanouts by **10X**

**80% Cleanliness:** extend time between tank cleanouts by **5X**

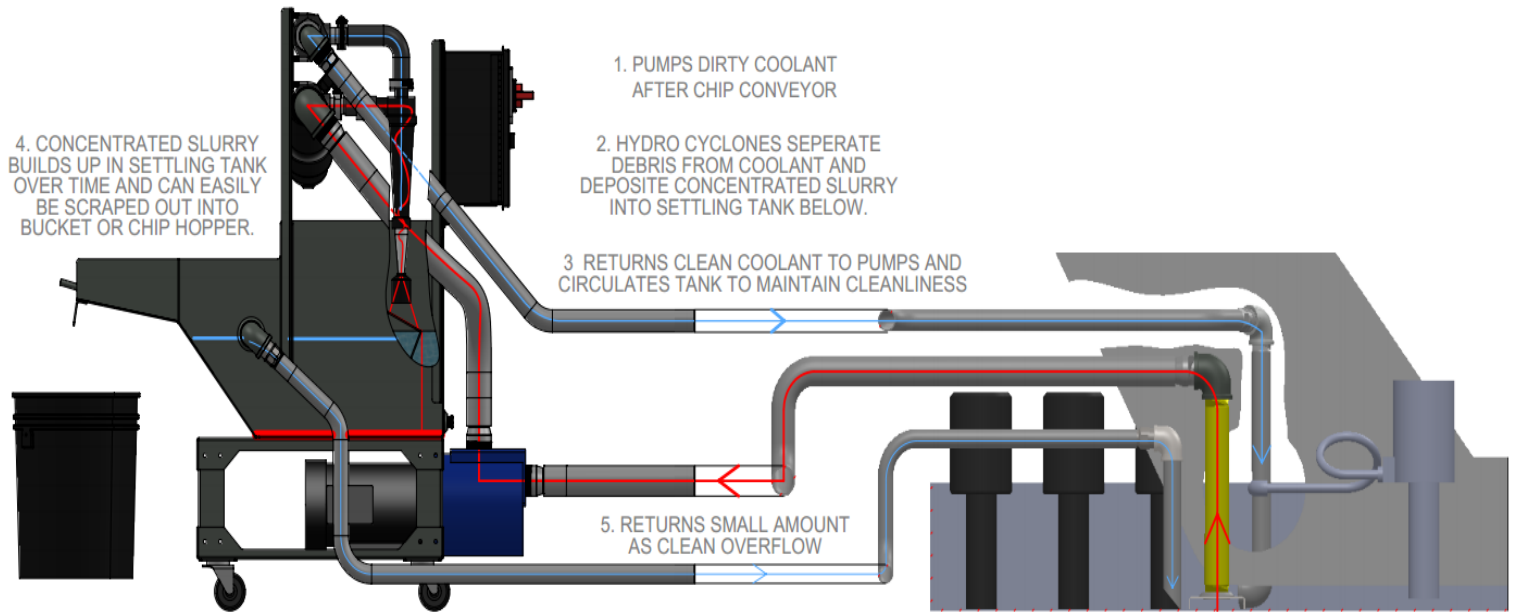
**50% Cleanliness:** would **double** the time between tank cleanouts!



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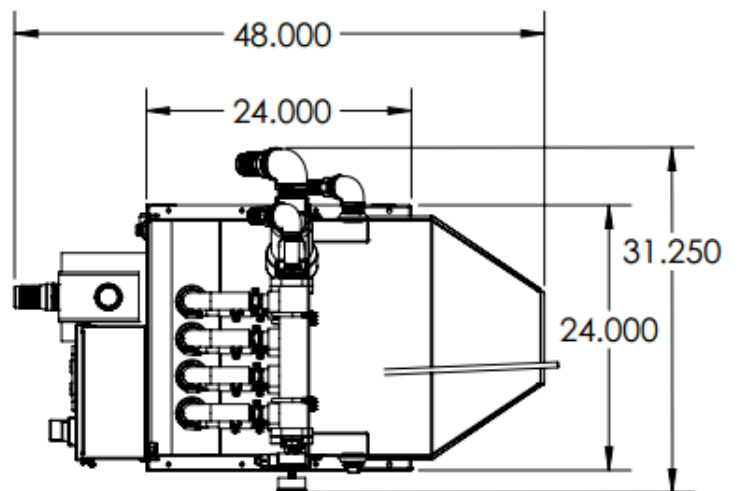
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Systems

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## Specs- CDR Filtration System

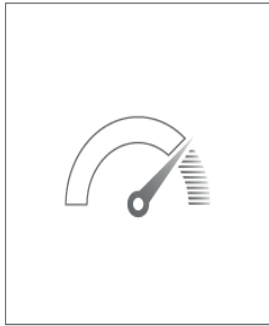
<b>Fluid Control</b>	3 HP Pump
<b>Filtration</b>	D50 of 8 $\mu\text{m}$
<b>Power</b>	208-230VAC
<b>Flow Rate</b>	80GPM
<b>FLA</b>	9 Amps
<b>Weight (lbs)</b>	500 lbs
<b>Coolant Type</b>	Water Based



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MP Systems got into the filtration business because our high pressure pump customers had nowhere else to turn to keep their tanks clean. In an effort to not only protect our equipment in the field, but to also help our customers keep their coolant systems clean and maintain uptime, we have developed a line of filtration products that outperform the rest at a great price.

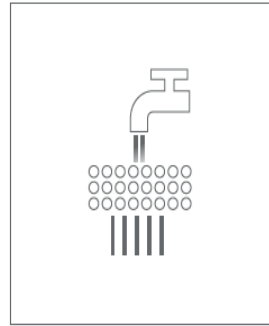
We looked at what was available in the market for media-less filtration and were sorely let down. We knew we could and would do better by design. We aim to offer the best filtration for the money, hands down. This product has been over 10 years in the making to engineer the ideal system to alleviate your toughest coolant filtration issues.



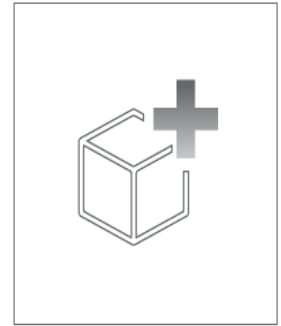
Coolant Systems



Coolant Chillers



Filtration



Accessories

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