

Save Your Machine Tools From Destruction

The CDR utilizes four hydro-cyclones to capture tiny hard sharp particles that stay suspended in a machine tool's coolant and are circulated through the machine whenever pumps are running. Hard sharps are produced by machining the hard oxide layer on cast/forged parts. These hard sharps repeatedly wash over way covers, destroy seals and attack the expensive critical components that keep the machine tool cutting accurately and efficiently.

Standard Features

- Up to 80GPM flow rate
- Continuous, uninterrupted filtration
- No disposable filter media
- Standard 208/230V(480V Optional)
- Filtration down to 3µm
- Cleanable pre-filter
- Low maintenance
- Quick and easy clean out
- Easy installation with install kit
- PLC Display
- 2-Year parts warranty

Benefits of CDR

- Prevents premature wear of machine tools
- Decreased wear on critical components (waycovers, ballscrews, liner guides etc.)
- Increased lifespan of tooling, toolholding and workholding
- Improved workpiece finish and reliability
- Prevents unexpected shutdowns caused by dirty coolant
- Confidently run automated/unattended machining
- Overall cleaner working environment
- Greatly extends time between tank cleanouts
- Typically pays for itself within 2 years

Models

AT CDR80



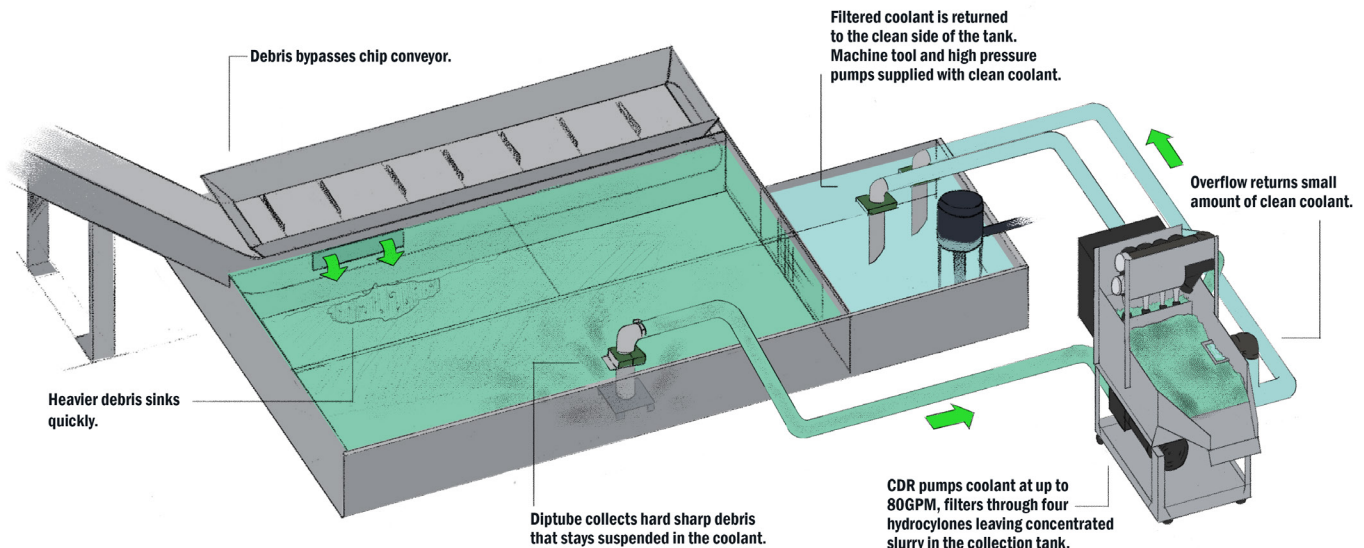
CDR Video Series

Demand Quality. Insist on MP

HOW CDR WORKS



The CDR utilizes four expertly engineered hydrocyclones that separate the hard sharp particles that typically stay suspended in the coolant. The CDR's 3HP pump produces up to 80GPM flow rate in order to quickly capture harmful debris before it is recirculated through the machine.



The debris is separated out, and lands in the settling tank where it can easily be scraped. The clean coolant returns to the machine tool tank, supplying your pumps with fresh coolant and protecting your machine from wear.

RETURN ON INVESTMENT

Typically, a CDR will pay for itself within two years by preventing costly shutdowns for maintenance, repairs or rebuilds caused by hard sharp contaminated coolant.

Average costs of machine tool repairs and maintenance:

- COST OF REPLACING SET OF WAYCOVERS: **\$5,000-\$20,000**
- COST OF REPLACING BALL SCREW/LINEAR GUIDES: Starting at **\$10,000+ per axis**
- TOOL HOLDERS: **\$50-\$100 each**
- CHUCK: **\$4,000-\$20,000**
- MACHINES RUN IN SEVERE ENVIRONMENTS TYPICALLY NEED A MAJOR REBUILD IN 5-10 YEARS: **\$150,000**
- COOLANT COST IN & OUT: **\$450-\$1,050 per tank cleanout**
- LABOR COST: **\$100-\$640 per tank cleanout**

Notes

1. The CDR is designed to work with water based coolant only.
2. Please contact MP Systems to confirm application will work with CDR.
3. Severe Duty upgrade available.

Footprint

L x W x H

Weight (lbs.)

AT CDR80

48 x 32 x 48

530