

COOLMAG

Magnetic Pre-Filtration for High Pressure Coolant

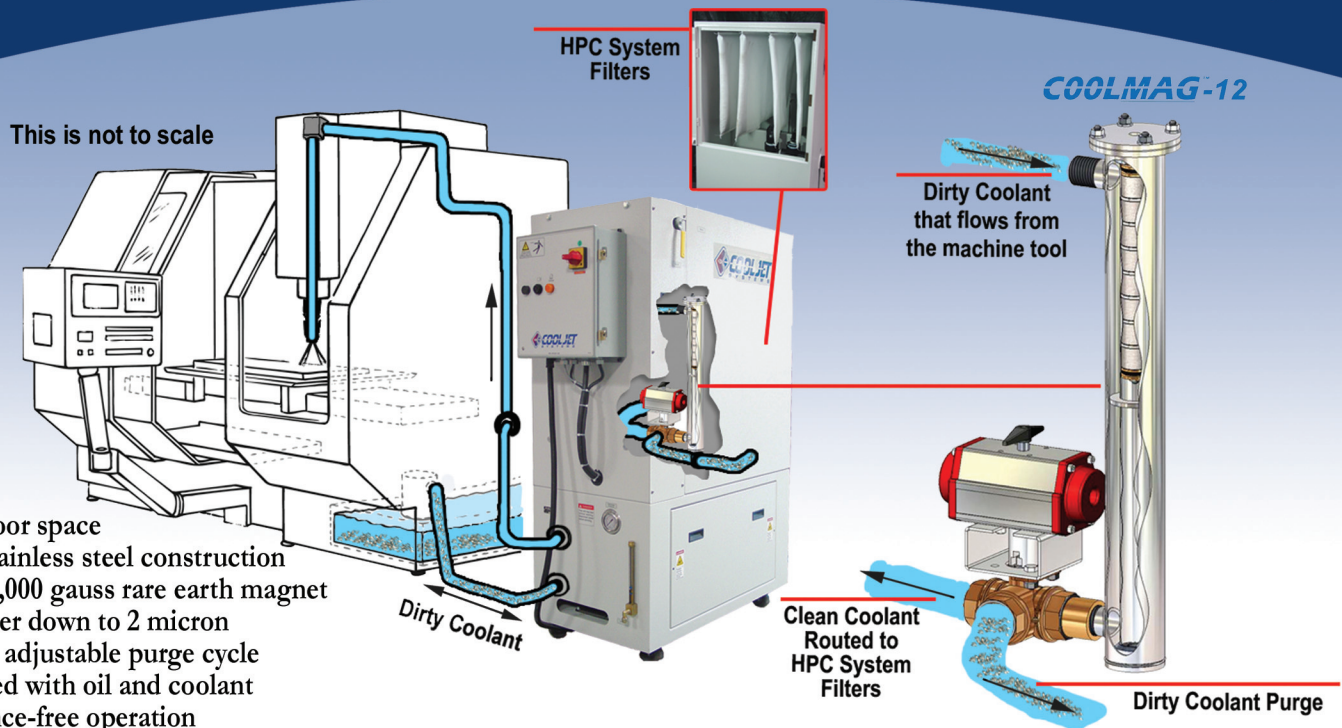
Very effective on Cast Iron, Carbon & Steel Forging Applications

Dramatic increase in filter bag life

Huge savings on filter bag and maintenance costs

The only fully integrated magnetic filtration on a high pressure coolant system

- Available on all 70-36 and Ultra Flex high pressure coolant systems as an adder option
- Includes our CoolMag-12 / CoolMag-30 magnetic separator
- Includes a three-way valve and timer
- Product comes fully integrated (electrically and mechanically) on the CoolJet unit
- Fully adjustable automatic purge controls

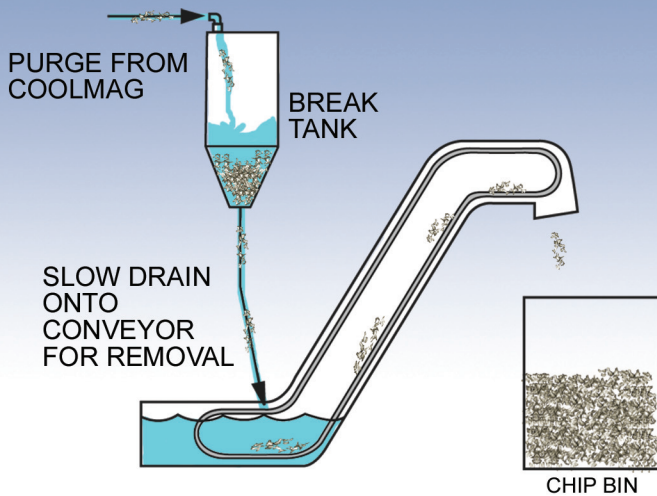


- Uses no floor space
- Durable stainless steel construction
- Powerful 9,000 gauss rare earth magnet
- Can prefilter down to 2 micron
- Automatic adjustable purge cycle
- Can be used with oil and coolant
- Maintenance-free operation

Considerations

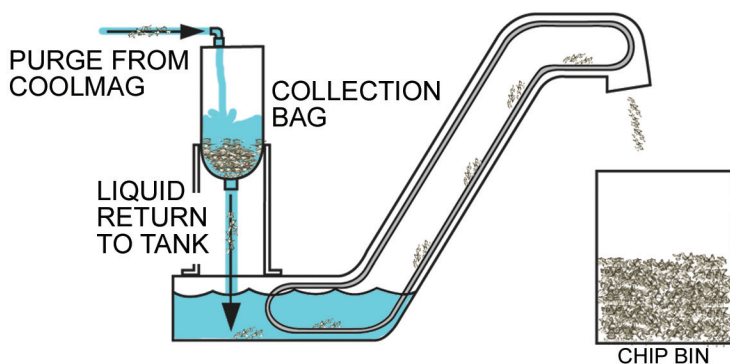
- CoolMag magnetic pre-filtration can be ordered with a CoolJet high pressure coolant system or as a retrofit. Please contact CoolJet Systems (714) 577-9262 for quoting on either of these options.
- Power connections — pulled from the CoolJet HPC system
- Plumbing connections — complete inline plumbing on the CoolJet HPC system
- Air connections — 80-85psi clean & dry air connection must be supplied
- Feeder Pump — supplied on the HPC system or machine tool
- Purge control — How to dispose of the purge residue is application specific, and must be decided by the customer up front. CoolJet can quote three potential options. **They are described below.**

1. Purge to Conveyor or Central Coolant System



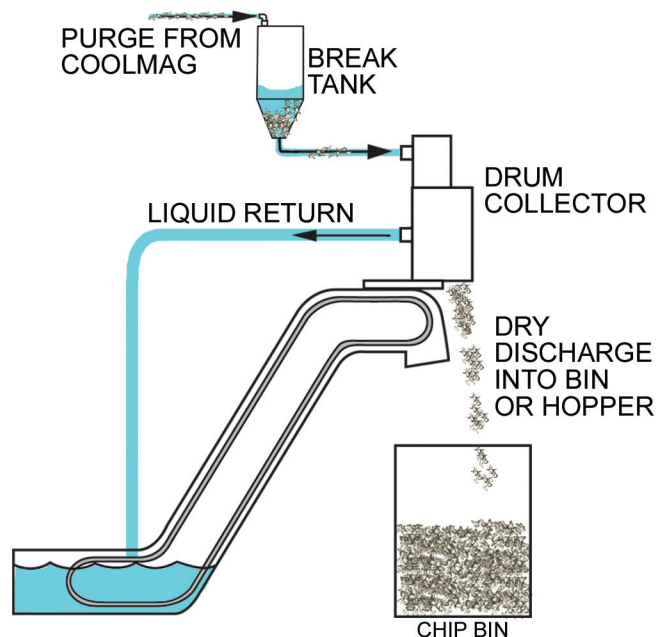
With this option, the purge is routed to a break tank mounted over an existing conveyor or central coolant system flume. The Break tank slows down the flow so the purge can easily drop to the drag out portion of the conveyor. This method is the most economical. Removal effectiveness varies by conveyor type & manufacturer.

2. Purge to Collector Bag



With this option, the purge is routed to a collector bag. The Collector bag (polyester) removes the purge debris allowing the clean coolant to flow back to the tank. This method is cost effective, but the frequency of filter bag changing will be determined by each specific application.

3. Purge to Drum Mag



With this option, the purge is routed to a break tank which feeds to a small magnetic drum collector. Again, the break tank slows down the flow allowing the purge to effectively pass through the drum magnet. The drum magnet removes the ferrous debris and deposits it straight into a chip bin. The clean purge is routed back to the tank. This is the most complete and effective purge solution.