

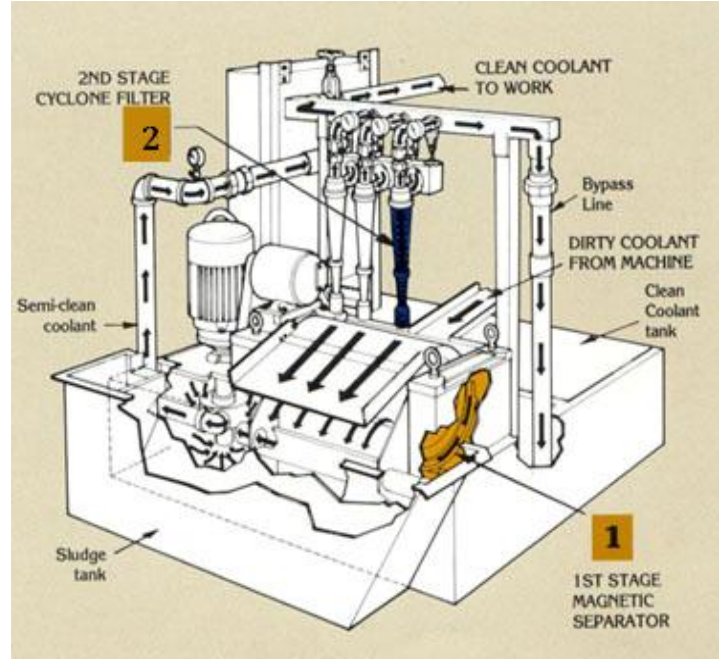
Barnes “G-a-reening” Towards the Future

With New MCF Cyclonic Filter

TWO STAGE FILTRATION PLUS “AFTER CLEANING” OF METALWORKING COOLANTS

The two stage Barnes International MCF (Magnetic Cyclonic Filter) cyclonic coolant filter consists of a rotating drum-type magnetic separator which pre-cleans the coolant before it goes to the pump and a series of highly efficient cyclonic filters. After cleaning, the return of underflow to the magnetic drum, is the final step in the filtration cycle. As a result, 10 micron nominal coolant filtration can be achieved with ferrous material.

A total system is engineered by Barnes Intl. which includes pre-cleaner, second stage cyclones, pump, and coolant reservoir tank. A properly designed system with the right balance of flow rate, tank capacity and pump pressure such as this system has, assures you the most efficient and trouble-free system available.



Barnes International Model MCF Cyclonic Filters handle flow rate capacities from 15 GPM-120 GPM.

THE MODEL MCF CYCLONIC FILTER HAS MANY BENEFITS AND COST-SAVING ADVANTAGES!!

- No usage of filter fabric (reducing operating costs)
- Reduces machine wear
- Increases wheel and tool life
- Protects pump for longer trouble-free operation
- Reduces machine downtime for cleaning filter
- Improves quality by assuring more uniform finishes on parts with fewer rejects
- Lowers coolant costs because of extended coolant life
- Substantially reduces maintenance costs
- Minimizes floor space requirements because of a compact design
- Eliminates the need for large settling tanks

Model M	Flow Rate	No. of Cyclones	Tank Capacity	Floor Space	Tank Height	Inlet Height	Std Clean Pump Pressure
MCF-15	15 gpm	1	100 gal.	55L x 43W	13.5"	14"	5-7 PSI
MCF-30	30 gpm	2	115 gal.	55L x 50W	13.5"	14"	5-7 PSI
MCF-40	40 gpm	3	130 gal.	55L x 55W	13.5"	14"	5-7 PSI
MCF-50	50 gpm	4	165 gal.	61L x 62W	13.5"	14"	5-7 PSI
MCF-70	70 gpm	5	300 gal.	65L x 77W	17.5"	18"	10-12 PSI
MCF-100	100 gpm	7	430 gal.	69L x 106W	17.5"	18"	10-12 PSI
MCF-120	120 gpm	8	550 gal.	78L x 115W	17.5"	18"	10-12 PSI