



## APPLICATIONS



### MACHINE TOOLS COOLANT APPLICATIONS

**GRINDING:** Flute Clearance, Cylindrical, Centerless, Surface, Thread & Internal, Honing Oil, Rolling Mill, Gun Drilling, ECM (Electrolyte), and EDM (Dielectric Oil).



### FILTRATION OF DISTILLERY PRODUCTS

Spirits, Chill Filtering Bourbon-Whiskey-Vodka-Rum, POC/AC Treatment – Congeners, Bottling Water.



### MISCELLANEOUS

Industrial Water Supply, Spray Ponds, Cooling Towers, Waste Water from Plating Process, Parts Washers and Large Swimming Pools.

## USA



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### FOR MORE DETAILS

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## FILTRATION SYSTEM FOR EFFICIENT FLUID MANAGEMENT

**GRINDING\* HONING\* EDM\* BIODIESEL  
OIL & WATER BASED METALWORKING COOLANTS  
CARBIDE\* HSS\* ALLOYS\* FILTRATION BELOW 5µ\* COMPLETE TURN-KEY SYSTEMS**



## Coopermatics Filtration System:

- Optimization of filter process through error proof design and fabrication of complete filtration system.
- PLC controlled operation with touch screen display, data logging, control and remote access feature.
- Temperature control of liquid - Chillers/Heaters
- VFD Controlled Pumping System for the filtered liquid
- Tanks: Custom designed/standard tanks for clean and dirty tank with Automatic/Manual Flush Operation.
- Offer turn-key installation at customer site anywhere in the world.

## About Filtration Systems

Coopermatics designs and builds systems that could filter anywhere from 20 gallons (75.6 ltr) to over several 1000 gallons (3780 ltr) per minute. These systems are installed in a variety of industries in the United States and in several worldwide locations including India. We have wide product range from small companies that require specialized filtration solutions for a few gallons per minute to large automobile, aircraft, defence and other component manufacturers that require thousands of gallons filtered 24x7 and 365 days a year.

We have several customers who are using these systems uninterrupted for decades helping our clients maintain better finishes and fewer rejected parts produced, also longer wheel life and lower maintenance on machines when it comes to grinding and honing applications. The cleaner the oil the lower the operating costs.

## Our standard system configurations.

Body Dia	12"	16"	24"	30"	36"	42"
Model	CFP - 3M	CFP - 6M	CFP - 12A	CFP - 25A	CFP - 45A	CFP - 60A
	DFP - 3M	DFP - 8M	CFP - 16A	CFP - 30A	CFP - 50A	CFP - 75A
	CFP - 3A	CFP - 10M	CFP - 18A	CFP - 33A	CFP - 63A	CFP - 80A
	DFP - 3A	DFP - 6M	CFP - 22A	CFP - 36A	CFP - 70A	CFP - 90A
	CFP - 5M	DFP - 8M	CFP - 25A	CFP - 40A	DFP - 45A	CFP - 60A
	DFP - 5M	DEP - 10M	DFP - 12A	DFP - 30A	DFP - 50A	DFP - 75A
	CFP - 5A	CFP - 6A	DFP - 16A	DFP - 33A	DFP - 63A	DFP - 80A
	DFP - 5A	CFP - 8A	DFP - 18A	DFP - 36A	DFP - 70A	DFP - 90A
		CFP - 10A	DFP - 22A	DFP - 40A	CFC - 45A/DSR - 450 - 135	CFC - 60A/DSR - 500 - 150
		DFP - 6A	DFP - 25A		CFC - 50A/DSR - 450 - 135	CFC - 75A/DSR - 500 - 150
		DFP - 8A	CFC - 12A/DSR - 125 - 40		CFC - 63A/DSR - 450 - 135	CFC - 80A/DSR - 600 - 180
		DFP - 10A	CFC - 16A/DSR - 125 - 40		CFC - 70A/DSR - 450 - 135	CFC - 90A/DSR - 600 - 180
			CFC - 33A/DSR - 350 - 90			
			CFC - 36A/DSR - 350 - 90			
			CFC - 40A/DSR - 350 - 90			
			CFC - 22A/DSR - 195 - 54			
			CFC - 25A/DSR - 195 - 54			
			CFC - 18A/DSR - 195 - 54			
			CFC - 22A/DSR - 195 - 54			
			CFC - 25A/DSR - 195 - 54			

## ABBREVIATION

- CFP** - Coopermatics Filter Pot-bottomed (Single Vessel)
- DFP** - Dual Filter Pot-bottomed (Dual Vessels)
- CFC/DSR** - Coopermatics Filter Cone-bottomed with Deliquefying Sludge Receiver
- M**- Manual control system (Manual operated valves, Manual motor starter - 12" and 16" diameter systems)
- A**- Automatic Control System (Air operated valves, NEMA 12 enclosure for the Control panel, Push buttons, Selector switches, Lights etc, and Magnetic motor starter)

Multiply the number in the filter model number by ten (10) for the filter area in square feet. For example DFP-5A is 50 square feet of filter area, Dual Filter Pot-bottomed vessels with Automatic control .



## COOPERMATICS FILTER'S SPARE PARTS

COOPERMATICS MANUFACTURES ITS OWN FILTER TUBES AND OTHER ASSOCIATED SPARES.



## Filter Tubes and Accessories

- With over 60 years of research & experience we have developed the Coopermatics filter tubes with a special weave that enhances its performance and longevity. This special weave makes us the best and the most sought after filter tubes in the market.
- Similar to filter tubes, Tube Sheet Gaskets, Pot Felts, O-Ring, Neoprene Spacers are specially designed and tailored for Coopermatics models.
- All spare parts are available in stock at Coopermatics, Northampton, PA facility.