

Precision Machining Filtration

Filtration for Carbide

Model: PMF3-623-P-T-*K

The Ebbco Precision Machining Filtration System is Designed for the Machining of All Metals, PCD and Ceramics. This System Conditions Coolants and Oils down to 0.5-Micron and Controls Temperature to Avoid Thermal Distortion. Fluid enters this system through a prefilter bag; optional magnetic separator for high speed steel applications available; Fluid then enters the dirty side of the tank where the filter pump draws the fluid through a cartridge filter vessel containing up to eight (8) Filter cartridges. Fluid is returned to the clean side of the tank where an inline chiller mounted to the tank will maintain a constant temperature. Fluid is then sent back to the machine through the machine feed pump (Optional)

- ◆ Heavy Duty Vertical Sealless Pump
- ◆ High Capacity 623 Filter Vessel-containing up to Eight Filter Cartridges
- ◆ High Volume Pre-filter Bags
- ◆ 12,000 -120000 BTU Rated Inline Chiller

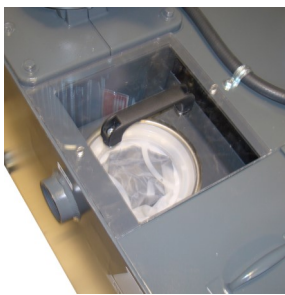


- ◆ Carbon Steel Tank with Clean/Dirty Baffle
- ◆ Up to 120 GPM Running Filter Flow
- ◆ Up to 80 GPM Clean Coolant/Oil Delivery
- ◆ Nema 12 Electrical Enclosure with IEC Controls
- ◆ Optional Machine Feed Pumps Available
- ◆ Painted to Customer or OEM Specifications



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Standard System Features



Pre-Filter

Ebbco's Filter Baskets. Supports a micron rated filter bag as a pre-filter to protect the systems filter pump. *Optional Magnetic Separator available for High Speed Steel Applications.*



Filter Pump

A heavy-duty vertical filter pump provides optimum flows of up to 120 gpm through the filter cartridges. The Filter pump is sealless to avoid costly seal wear and minimized machine down time.



Filter Vessel

The Ebbco high capacity filter vessel contains up to eight (8) micron rated 623 filter cartridges that are capable of holding up to 30lbs of sludge each.

Cartridge micron sizes available:



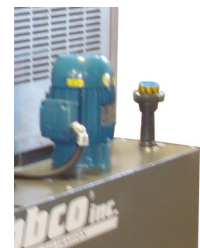
Chiller

A BTU Inline chiller for consistent fluid cooling. Chiller is complete with digital temperature control. Sizes from 12000 to 120000 BTU.



Electrical Panel

A NEMA 12 Electrical Enclosure with IEC. Voltages are available 230 or 460 volt three phase, 60 Hz; *Optional voltages available upon request.*



Machine Feed Pump

An optional clean coolant feed pump is mounted on the clean side of tank. The pump is designed to provide the optimum flow of clean chilled coolant or oil to the machine.