

Precision Machining Filtration Evolution Series

Model: Evolution 12080-5

The Ebbco Evolution 12080 Series designed to keep particulate from building up in the machine tool, increase coolant or oil life, part finish and reduce part rejection. The systems inlet sends fluid through a set of four micron rated prefilter bags, fluid then enters the dirty side of the tank where a filter pump send fluid at approximately 120 gallons per minute through a filter vessel containing up to eight (8) micron rated filter cartridges, fluid is returned to the clean side of the tank where it is chilled to a set temperature through a BTU rated cabinet style chiller. Fluid is then returned to the machine through the machines flush pumps at approximate 80 gallons per minute, optional flush pumps are available. A service beacon light located on top of the electrical control unit activates when the filter cartridges require changing.



Pre-Filter

Ebbco's Patented Extended Area Filter Baskets. Supports a micron rated extended area 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 provide optimum flow at 120 gallons per minute to the filter vessel. This sealless pump avoids costly seal wear and minimized machine down time.



Filter Vessel

The Ebbco high capacity filter vessel contains up to (8) micron rated 623 filter cartridges that are capable of holding up to 30lbs of sludge each.
Cartridge micron sizes available: 0.5, 1, 5, 15, 25, 50, 100



Chiller

A BTU cabinet mount style chiller for consistent fluid cooling. Chiller sizes are available from 40,000 to 120,000 BTU/HR.
 Chiller is complete with digital temperature control.



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 flush pump can be mounted on rails on the clean side of coolant tank. The pump is designed to provide approximately 60 gpm of clean chilled coolant or oil to the machine at optimum flow.

