

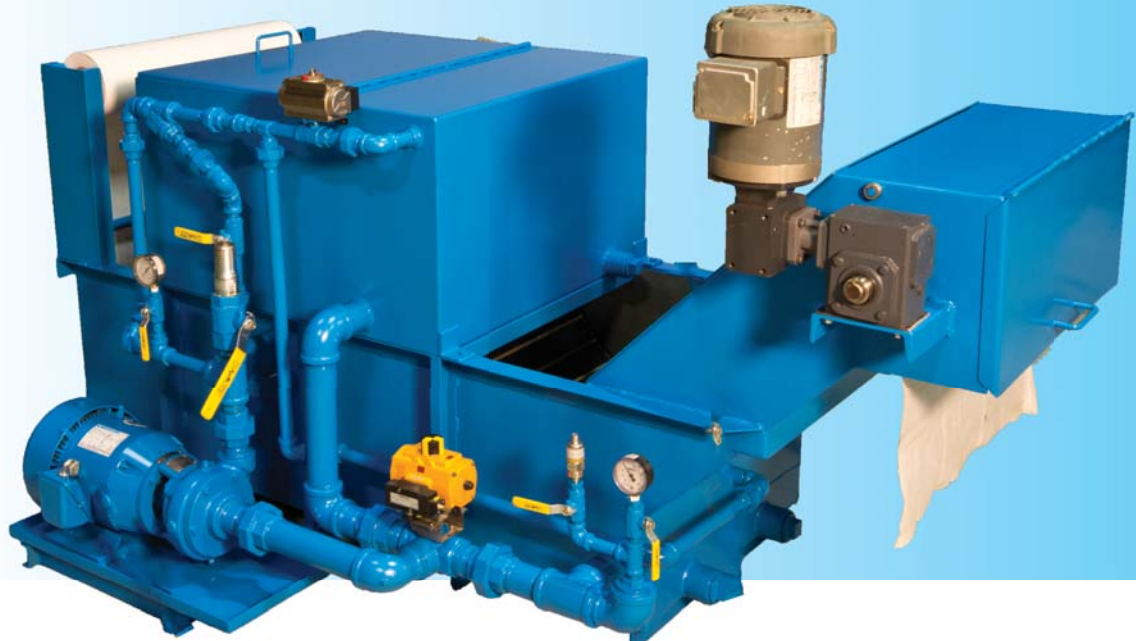


Aqua-Vac

Machine Tool Coolant Filters
Flowrates From 50 GPM to 1500 GPM

Supply Clean Coolant
Increase Production
Reduce Tooling Cost
Extended Coolant Life
Reduce Disposal Cost

Complete Self-Contained Package
Automatic Operation
For Single or Multiple Machine
Low Maintenance
Continuous Uninterrupted Flow



Model AV-5
Flows to 70 GPM

Machining - Grinding - Honing - Polishing
Steel - Cast Iron-Aluminum - Alloys

Model AV-10
Flows to 150 GPM

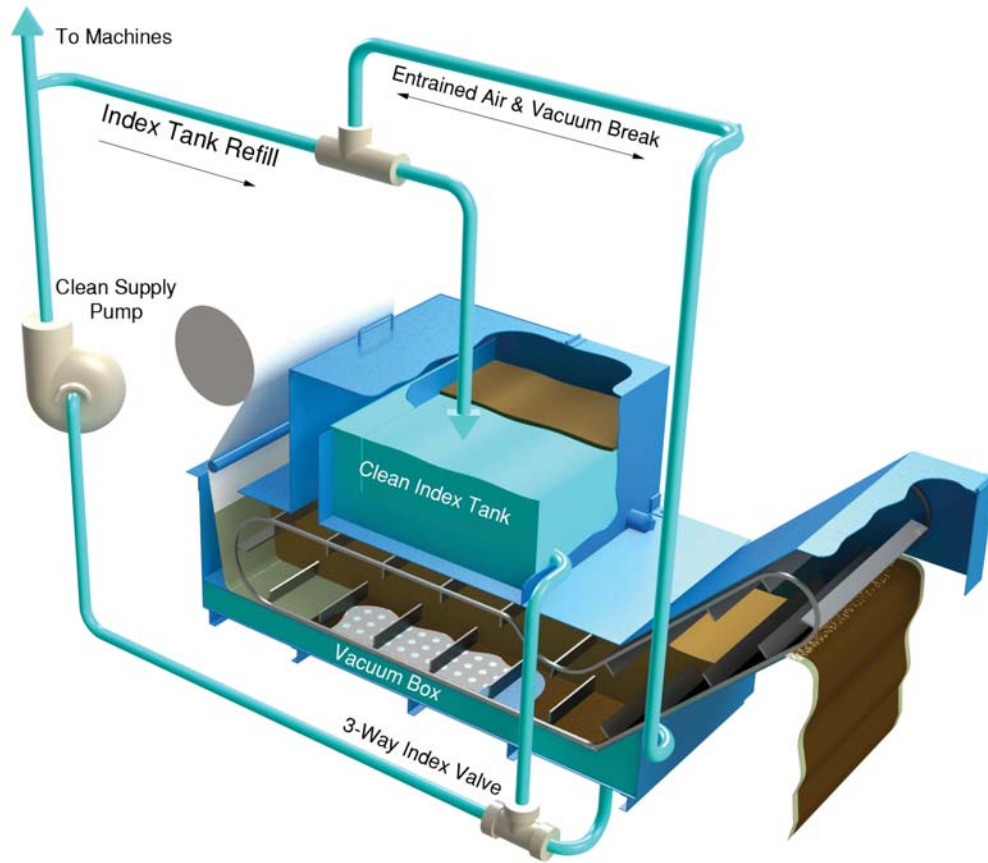
Centrifugal Clean Supply Pump
Clean Index Tank
Tramp Oil Containment Section
Conveyor Chain Assembly with Flights

Electrical Control Panel with PLC
Optional Variable Frequency Drive
250 Yard Media Roll
Pneumatically Operated Valves



Aqua-Vac

*Machine Tool Coolant Filters
for Automatic Operation*



Operating Sequence of the Aqua-Vac Media Filter

Filtration Cycle

The dirty fluid returning from the process enters the filter tank. The centrifugal pump creates a suction pulling the dirty fluid through the media while leaving the particles on the surface of the media. As the particles continue to be deposited, a "filter cake" is formed allowing for smaller particles to be trapped and removed from the process stream.

The filtered fluid is returned to the process while a portion of clean liquid is diverted from the discharge header, through an ejector and into the index tank for refill. An underflow baffle in the index tank will trap any tramp oils present in the fluid so it can easily be removed.

Filter Indexing Cycle

As more particles are trapped, the restriction through the filter cake barrier increases until a predetermined vacuum is reached, energizing a vacuum switch, and initiating an index cycle.

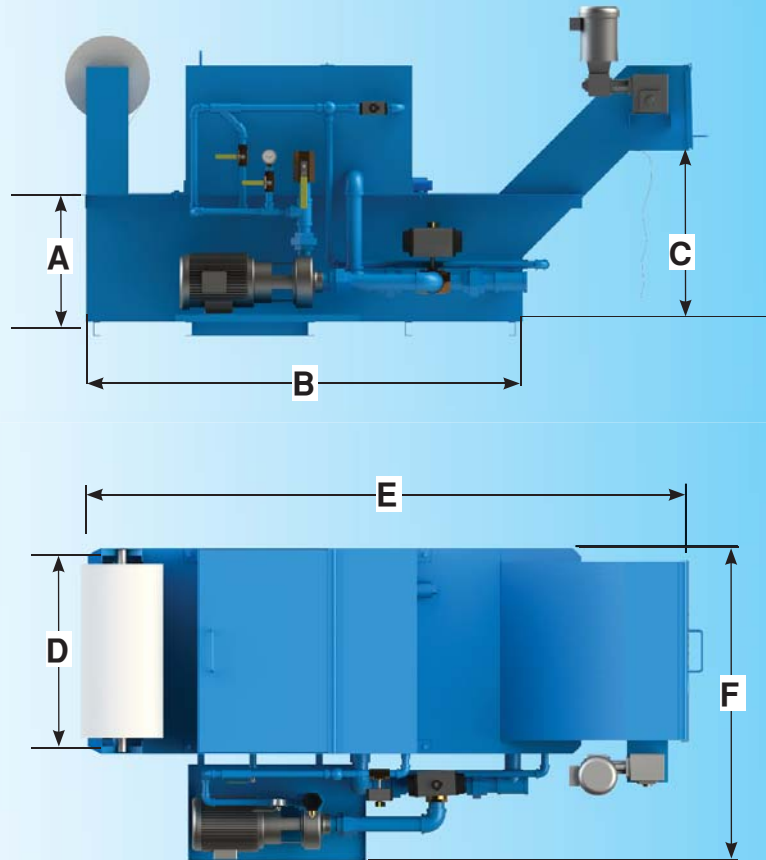
The 3-Way valve changes position, isolating the vacuum box while supplying clean liquid from the index tank to the machine or process. When the negative pressure in the vacuum box is relieved, the conveyor chain advances 6" to 8" of new media into the filter while the same amount of dirty media and chips are discharged. After the conveyor stops, the valves switch and the pump begins to draw liquid again from the vacuum box.

Aqua-Vac

Machine Tool Coolant Filters

Flowrates - 70 GPM & 150 GPM

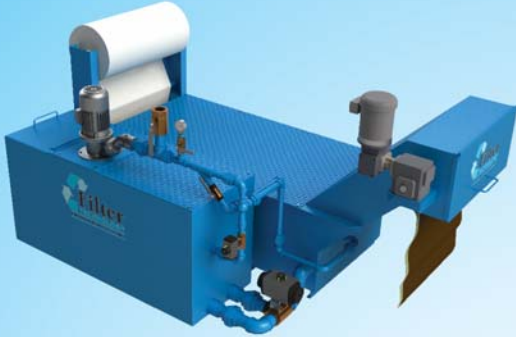
The Models AV-5 & AV-10 offers a Complete Compact Design with Exceptional Filtration Capabilities at a Economical Price.



Model	A	B	C	D	E	F	GALS/ INCH
AV-5	1'-8"	5'-1"	2'-2"	2'-2"	7'-4"	3'-10"	6.7
AV-10	1'-1"	7'-9"	2'-2"	2'-2"	10'-0"	3'-10"	10.5

Aqua-Vac

*Machine Tool Coolant Filters
For individual to Multiple Machine Systems*



**Model AV-10V with Vertical Pump
Floor Mounted Clean Tank -150 GPM**



**Cold Rolled Steel
T-Bar Flights**



**Model AV-28 with Vertical Pump
Floor Mounted Clean Tank - 500 GPM**



**Vertical Pump Receptor for
Quick Change Removal**



**Model AV-15 with Horizontal Pump
Top Mounted Clean Tank - 300 GPM**



**3-Way Valve Assembly for
Positive Vacuum Break**