



Hardy Filtration

Integrated filtration solutions: air, water & oil



Self indexing Myco Media Filter

Principal of Operation

A roll of media filter paper is loaded / fed into the rear of the machine and held in place between the seal wheel and the Stainless Steel Conveyor by conveyor belt tension force. The liquid to be filtered is pumped or fed into the inlet port and is distributed into the flood box.

The flood box slows the velocity of the impure liquid and spreads it over the entire width of the filter media paper forming a trough between two seal wheels. The impure liquid gravity feeds through the filter media paper removing impurities from the liquid suspension leaving a solid "cake" on the surface of the filter media paper eventually blinding off and blocking liquid passages. Clean liquid is discharged through outlet into a tank or discharged into an open system. As the solid "cake" blinds off the media paper the liquid level rises.

The machine automatically controls the liquid level in the machine using a simple float probe or conductivity sensor. When the liquid level rises and the float probe contact has been made, an index cycle is initiated advancing the conveyor drive motor forward. Clean filter media paper moves forward through the machine which increases the liquid flow rate and lowering the liquid level. The "spent" media is discharged to a waste container.

Self Indexing Myco Media Filter, designed for greenhouse and industrial applications, supports flow rates of up to 900 US gal/ min. and can be custom fit to your specifications. It is a reliable means of removing solids from process liquids. The Myco media filter is a non pressurized system which is economical and easy to operate.

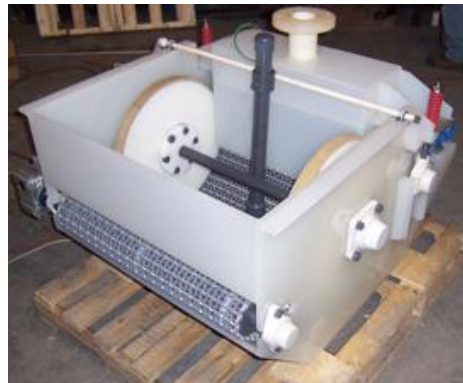


Media filters which offer automatic operation and utilizes low cost roll media, is well suited to applications with moderate contaminant levels. Contaminated liquid flows through non-woven synthetic filter fabric supported by a conveyor belt. As the filtered contaminants restrict the liquid flow, the liquid level rises and actuates a float switch that runs the conveyor gear motor. Clean liquid collects in the tank and is returned to service by the pump.

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The Myco Media filter provides a highly efficient and reliable means of removing solids from process liquids. It features a non pressurized system which is economical and easy to operate. The Myco Media filter has a fully automated system that ensures efficient cleaning of any process fluid and optimizes the amount of media used.



The filter is available in a variety of materials of construction, depending upon the application and in various sizes to accommodate varying flow rate requirements.



Typical applications:

Machine Tool Coolants
Machine Automation
Automotive
Spray Booth Effluent

Water and Wastewater
Parts Washing Chemicals
Food and Beverage
Rolling Oils

Scrubbers
Cooling and Heating
Mining
Steel

Pulp and Paper
Phosphating Solutions
Quenching Oils
Agriculture

Hardy Filtration Inc. reserves the right to make changes without notice.