



*The Clear "Solution" to any Solution*



## **MYCO MEDIA FILTERS**

*for removal of solids from process liquids*

**The Leading Edge in Filtration Technology**

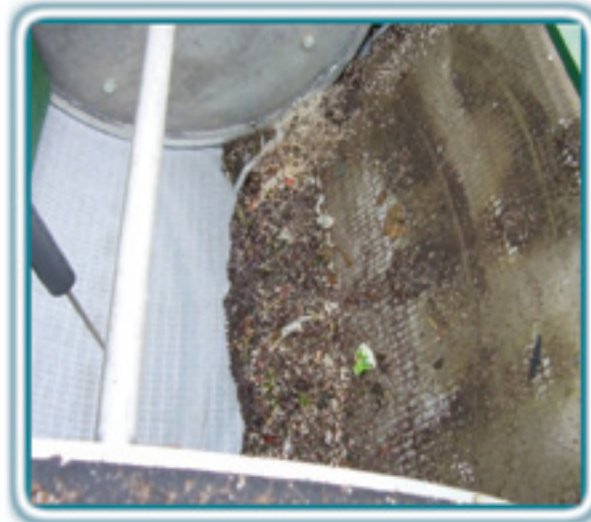
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# FEATURES

The **MYCO** media filter provides a highly efficient and reliable means of removing solids from process liquids. The **MYCO** media filter is a non pressurized system



which is economical and easy to operate. It can handle occasional system upsets or overloads without blinding the filter media.



The **MYCO** media filter is a fully automatic system that ensures efficient cleaning of any process fluid while optimizing the amount of media used. The solids are discharged as a cake for easy handling and disposal.



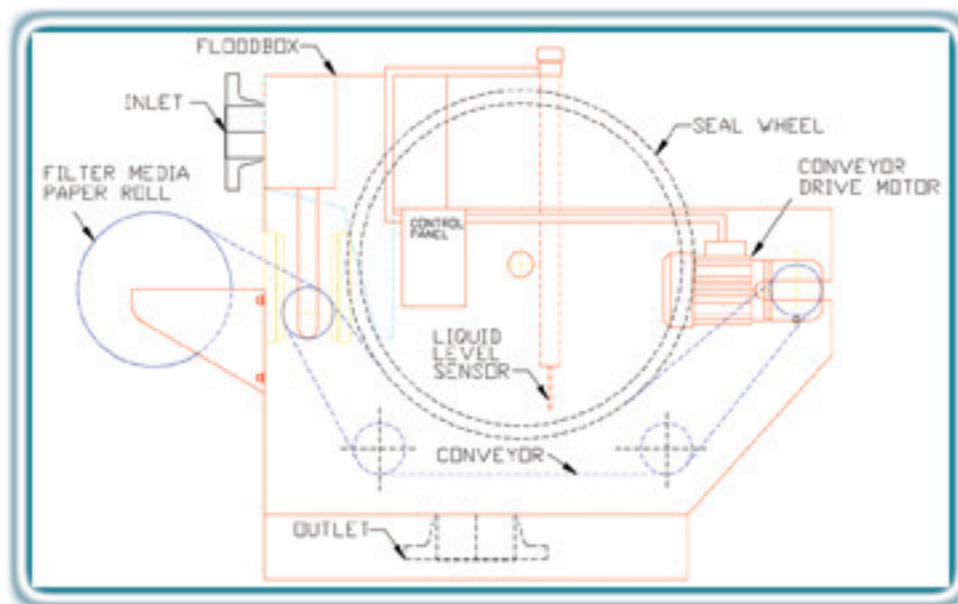
The innovative compact design of the **MYCO** Media filter allows for easy integration into the following:

- *Newly designed equipment*
- *Existing equipment*
- *O.E.M. systems*



# TYPICAL APPLICATION

- Machine Tool Coolants
- Cooling & Heating
- Automotive
- Spray Booth Effluent
- Quenching Oils
- Agriculture
- Phosphating Solutions
- Rolling Oils
- Food & Beverage
- Parts Washing Chemicals
- Scrubbers
- Machine Automation
- Mining
- Pulp & Paper
- Water & Wastewater
- Steel
- Bio Diesel



## 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 floodbox.

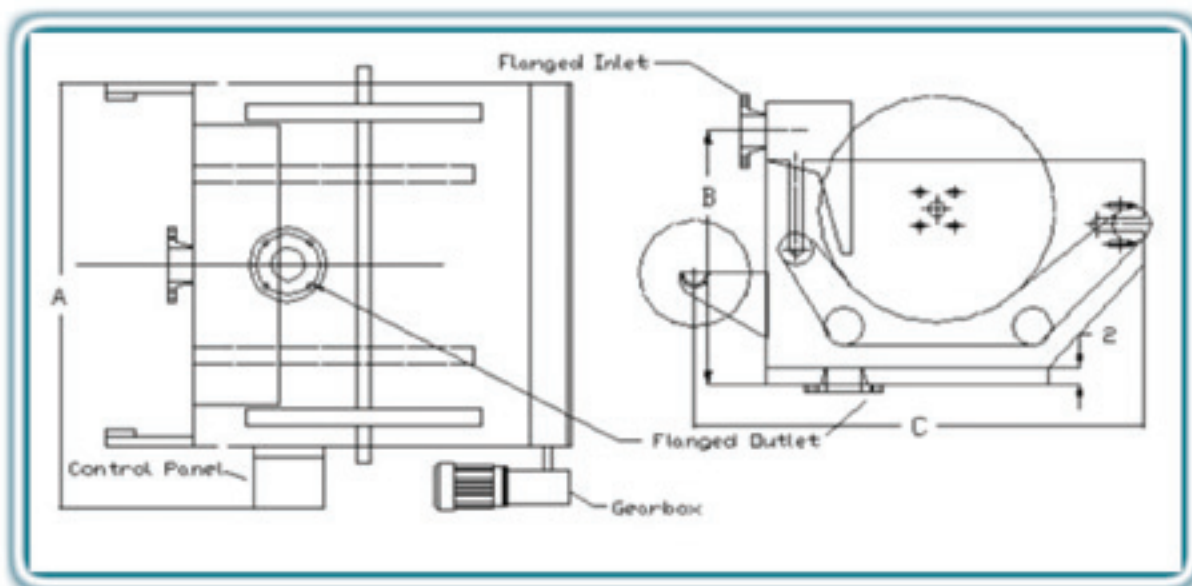
The floodbox slows the velocity of the impure liquid and spreads it over the entire width of the filter media paper forming a trough between two seal wheels. The impure liquid gravity feeds through the filter media paper removing impurities from the liquid suspension leaving a solid "cake" on the surface 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 filter 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.

MODEL	A	B	C	FLOW (USGPM)
MMF 18-27	30	37	43.25	71
MMF 27-27	40	34.25	52.75	146
MMF 27-39	52	34.25	52.75	212
MMF 27-51	64	34.25	52.75	275
MMF 27-60	73	34.25	52.75	350
MMF 39-39	52	41.75	65.75	300
MMF 39-51	64	41.75	65.75	400
MMF 39-60	73	41.75	65.75	500
MMF 39-70	83	41.75	65.75	600
MMF 49-70	83.5	51.5	87	1000
MMF 49-96	109.5	51.5	87	1500

Dimensions are in inches.

Flow rate is based on water using 1.0oz media.



## Specifications:

Epoxy Coated, Carbon Steel Construction  
 Conveyor Belt - 304 Stainless Steel  
 Seal Rings - Neoprene  
 Seal Wheels - Aluminum or 304 Stainless Steel

## Options:

Cover  
 Spent Media Windup  
 All Stainless Steel Construction or to Supplied Specifications  
 Custom Designed to suit application

**clearstream**  
 FILTERS INC

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