



## PREMIUM K-FACTOR FILTERS

The family of K-Factor self-cleaning, fully automatic media filters are specifically engineered and designed to suit applications in a variety of industries where the removal of solids from liquids is required. K-Factor media filters are available in numerous dimensions boasting state-of-the-art technology and solid construction. Whether **Automotive, Food and Beverage, Pulp and Paper, Wastewater management or Petrochemical**, K-Factor has a solution to save time and money, reduce downtime and improve quality!

When high performance and filtration reliability is critical, trust K-Factor media filters to meet your exacting specifications!

Tel: 289-362-6108

Toll Free: 1-855-593-7301

Website: [www.kfactorfilter.com](http://www.kfactorfilter.com)



# WHAT A K-FACTOR FILTER CAN DO FOR YOU?

K-Factor Media Filter systems offer the most **advanced technology** and are the flagship of our fleet. Engineered and designed to suit countless industrial applications where the removal of unwanted solids from liquids is required. The K-Factor Filter is a fully automated, self-cleaning system that saves you money by eliminating maintenance and downtime.

**We will fully customize your K-Factor Filter to meet your specific needs with the following options:**

- Aquence coated Carbon Steel Body
  - Inlet Valve Options
  - Media Out Sensor Kit
  - Float Shower
  - Overflow Protection
  - Control Panel
  - Rewinder Option
- Tank Mounted
  - Level Control Pump Control
  - Customized Power Feed (240V, 380V, 575V etc)
  - Support for other PLC types
  - Top Cover with Clear Window

## FILTER SPECIFICATIONS

MODEL	FLOW GPM	FLOW LPM	DIMENSIONS INCHES	Inlet	Outlet
K70	70	265	30 x 42 x 45	2"	3"
K150	150	568	36 x 42 x 54	3"	4"
K300	300	1136	47 x 54 x 69	4"	6"
K600	600	2271	47 x 85 x 69	6"	8"
K1100	1100	4164	47 x 111 x 69	8"	10"
K1500	1500	5678	57x111x79	10"	12"

Flow rated @ 25 microns nominal - 1500 gpm unit rated @ 50 microns

## STANDARD FEATURES

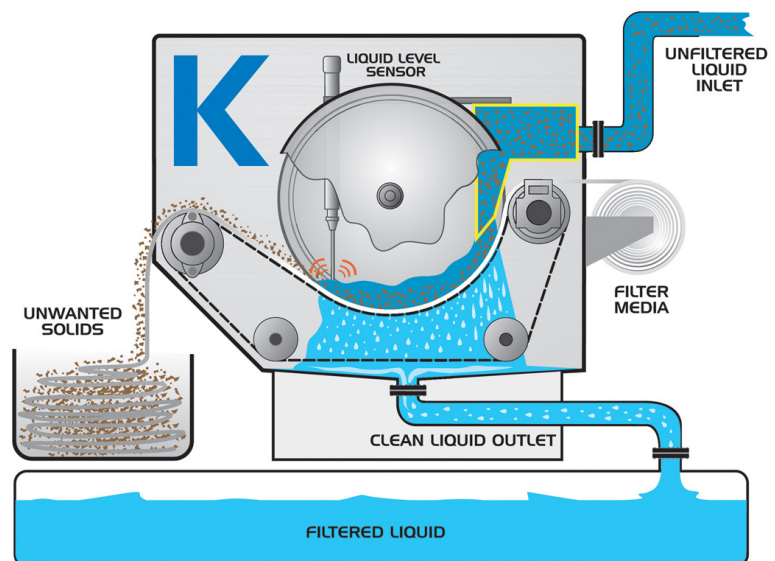
- Painted Carbon Steel
- Vertical Float Switch
- Horizontal Level Sensor
- Entrance and Exit Swing Guards
- Bearing Guards
- Electrical & Control Panel features:
  - AB MicroLogix 1400 PLC
  - AB 7" Panel screen
  - 1/2 HP VFD for Conveyor Speed Control
  - 1/2 HP Motor
- Roll of appropriate Media
- Media Bin

## BENEFITS:

- **Saves Time**  
*Downtime, ongoing maintenance and service, monitoring and control, etc.*
- **Saves Money**  
*Labour, consumables, lost production, etc.*
- **Reduces Labour**  
*Maintenance, lost production, etc.*
- **Improves Quality**  
*Eliminate defects, environmental impacts, reclamation efficiencies etc.*

## HOW IT WORKS

1. The liquid flow enters the **K-Factor Filter** via the header box which evenly distributes the stream across preselected and appropriate media.
2. The contaminated liquid is confined between two sealing wheels employing the media to capture the solids.
3. As the liquid level between the two sealing wheels rises, a fluid level float sensor initiates the cleaning cycle. During this sequence fresh media is automatically introduced and the soiled media exits the filter.
4. Throughout the process, solids-free filtered liquid is returned to the process for reuse.



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