



K-FACTOR PLASTIC FILTER

K-Factor Media Filters can be manufactured from several advanced **quality chemical resistant plastics** that are suitable for applications that require high corrosion resistance. When choosing a corrosion resistant plastic material, K-Factor pays special attention to the chemicals and corrosive agents the filter will be exposed to and we thoroughly test materials for the application prior to fabrication.

When faced with challenging highly corrosive liquids, **K-Factor's Plastic Filters deliver cost-effective, dependable filtration** at its best, and are ideal for Automotive and Petrochemical applications.



WHAT A K-FACTOR FILTER CAN DO FOR YOU?

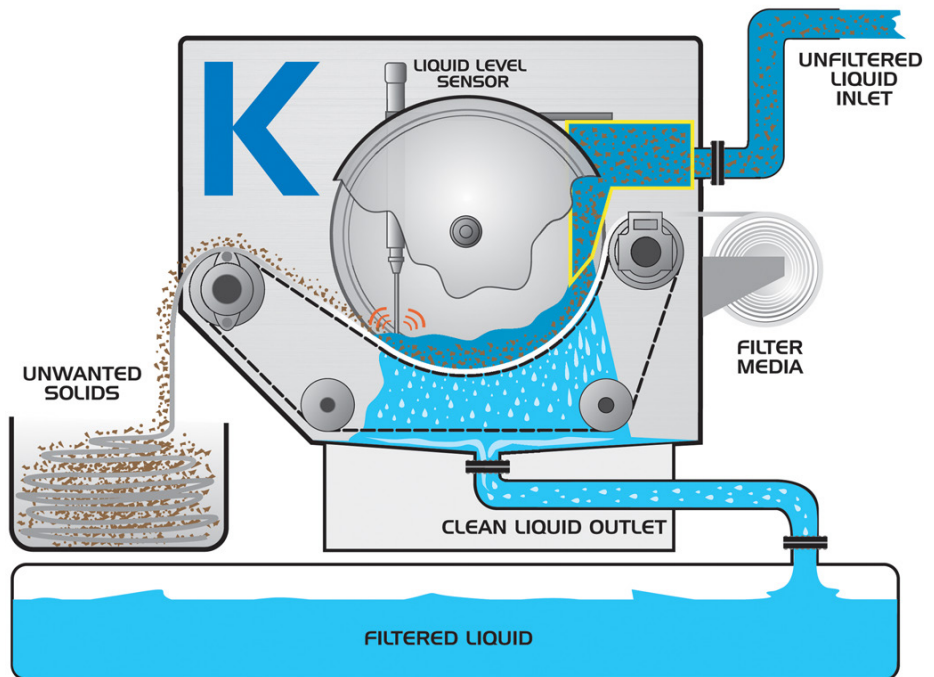
The K-Factor Plastic Filter system offers the most advanced technology and provides **reliable performance in aggressive environments**. Engineered and designed to suit corrosive industrial applications where the removal of unwanted solids from liquids is required. The K-Factor Filter is a fully automated, self-cleaning system that saves you money by eliminating maintenance and downtime.

SHEARING ACTION FEATURE

The flow of liquid from the inlet header box impacts the filter media at a specific angle to push the solids to the bottom of the sealed filter basin. This allows for increased filtration and reduces the physical footprint of the Plastic K-Factor.

HOW IT WORKS

1. The liquid flow enters the **K-Factor Plastic 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.



STANDARD FEATURES

- Self-cleaning
- Totally automatic
- Nonstop operation
- Fortified seal
- No backwashing
- Specific Media
- Flow rates 5GPM & up

BENEFITS:

- **Maintenance-free**
- **Immediate cost savings**
- **Zero downtime**
- **Zero solids bypass**
- **Zero liquid loss**
- **Trace oil removal**
- **Operational flexibility**
- **Corrosion resistant**



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