

WHAT A K-FACTOR FILTER CAN DO FOR YOU?

K-Factor Filter's GT-MAG system offers the most advanced technology. Engineered and designed to suit countless industrial applications where the removal of unwanted solids from liquids is required. The K-Factor GT-MAG 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:

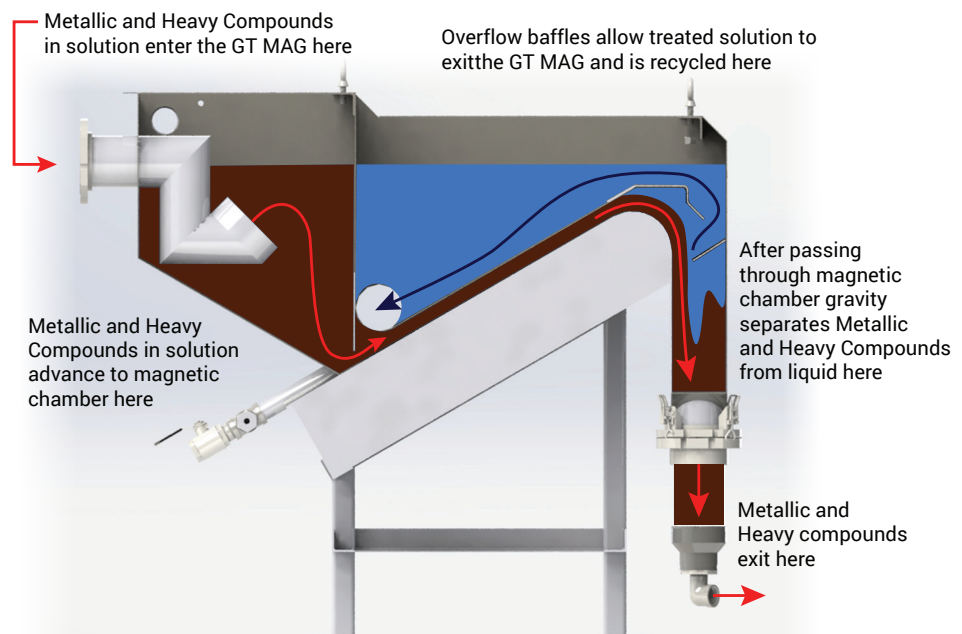
- Clamp-on PVC Tunnel
- Tank Level & Pump Control
- AB PLC/HMI Control
- Diaphragm Pump System

MULTIPLE PARTICLE REMOVAL PRINCIPLES ARE USED:

- 30 second phased residence time provides increased particle settling
- Low flow velocity creates effective attraction and pulling of lower micron sizes
- Conical tank bottom allows for particles to settle easily by gravity
- Flow of liquid is upwards against gravity
- Particles pass through 3 staggered rows of magnetic fields to maximize particle pull

HOW THE GT-MAG WORKS

1. Particulate loaded liquid enters the GT-MAG via the inlet header and is isolated in the first phase conical compartment.
2. Passing through the GT-MAG's inclined gravity tunnel the liquid is exposed to the powerful magnetic conveyor.
3. Ferrous particles are secured and discharged to the collection tube while particle-free water flows into a separate second phase compartment.
4. The accumulated ferrous particles automatically drop into an isolated clear inspection window (The Crystal Ball) where optimal filtration performance can be verified visually.



ADVANTAGES

- Extremely simple design with few moving parts
- Very low maintenance
- 110V control with low power usage
- No valves or valving control
- No media or consumables required
- Zero liquid loss
- Visual operation validation: see what is collected and measure performance

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.



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