



GT-MAG (GRAVITY TUNNEL)

K-Factor's patented GT-MAG is a **fully automatic, self-cleaning**, magnetic filtration system engineered and designed to remove and collect ferrous particles in challenging industrial and manufacturing environments.

The GT-MAG's innovative design has few moving parts and requires no consumables translating into **zero down time and maintenance-free** operation. Features include a "Smart" VFD control panel, inclined magnetic conveyor, and a transparent visual inspection tunnel (**the Crystal Ball**).

When high performance and reliability are required, you can trust K-Factor to solve magnetic filtration concerns quickly and safely!



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:

- Prolonged 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

ADVANTAGES

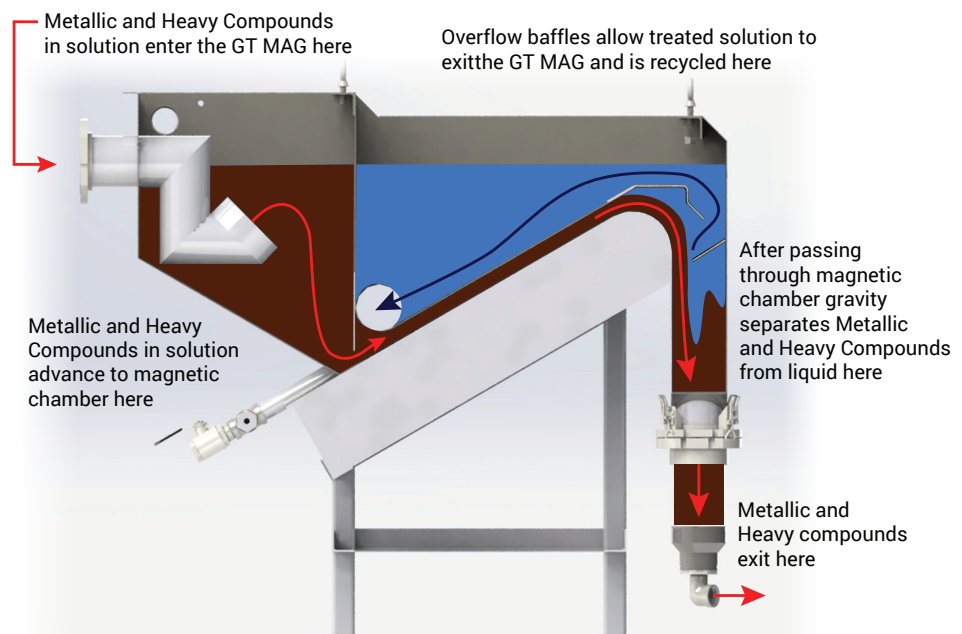
- Extremely simple design with few moving parts
- Very low maintenance
- 110V control with low power usage
- No valves or valving control
- No media or consumables required
- Zero liquid loss
- Visual operation validation: see what is collected and measure performance

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.

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.



Tel: 289-362-6108
Toll Free: 1-855-593-7301
Website: www.kfactorfilter.com