

GRAVITY FEED APPLICATIONS - MAGNETS INSIDE OF THE PRODUCT STREAM

DRAWER-IN-HOUSING FAMILY OPTIONS

Protective Coatings

IMI offers a variety of product coatings and finishes for tramp metal separation products, including Hydex® wiper seals for removing sticky product residue, Nedox® coated tubes to protect against abrasive materials and to prevent build-up and galling and MAGnanoSHIELD® that offers 99.9999% microbe resistance to assorted bacteria and fungus strains.

Finishes

The standard finish for Drawer-In-Housings is Customary Grade. This finish features external seam welded construction with all welds free of slag, soot, spatter and burn marks. Housings are bead blasted inside and out for a clean flat finish. Food Grade and Sanitary Grade finishes are also available.

Multiple Drawer Units

Drawer-In-Housings can be constructed with multiple drawers of magnetic tubes. Multiple drawers can be used to clean one bank of tubes at a time without stopping production while still offering magnetic protection. EZ-Clean units are sometimes configured with multiple drawers to reduce the pulling force required to clean the tubes on larger models.

Custom Transitions and Flanges

Custom transitions and flanges are the two most common modifications specified for IMI's housings. Transitions allow for direct fit and easy installation into existing chutes and pipelines. IMI can provide inlet and outlet transitions for round to square, rectangular to square, angled chutes and more. Flanges are custom fabricated for specified mounting and coupling requirements.

Engineered Housings for Special Applications

At IMI, we specialize in providing customer-driven solutions by designing and building a wide variety of custom housings and separators. Some of our unique solutions include angled wall Self-Cleaning Housings and custom fabricated hoppers with EZ-Clean Drawer-In-Housing assemblies built right into the base. No matter what your needs, we welcome the challenge of creating the solution that works best for you.

Sealed Cleaning Zones for On-The-Fly Operation

Sealed cleaning zones can be provided to allow for drawer operation during production. These sealed cleaning zones are also used to isolate hazardous materials from entering the air during the cleaning cycle.

Combination of Large and Smaller Magnetic Tubes

For applications that have poor flowing product characteristic like poultry or other animal meal, combined with limited head room and where purification of product is very important, use a 3" diameter magnetic tube separator with a second row of protection. The second row consists of 1" diameter magnetic tubes that are generally centered below the open spaces of the 3" diameter tubes above.

Dust Hood Guard

Pictured to the right is our Self-Cleaning Housing with enclosed "Dust Hood" Guard. This magnet includes valves that are opened during the magnet's cleaning cycle, assisting the plant dust control system to capture nuisance dusting that occurs, as the magnet is opened. This feature assists in housekeeping as it keeps dust off the floor and adjoining equipment.



Self-Clean



Continuous Clean

We design to match your application requirements

