



PNEUMATIC LINE MAGNET

PNEUMATIC LINE HOUSING (PLH) MAGNET

Based on our successful drawer-in-housing platform, the Pneumatic Line Housing incorporates a series of 1-in. diameter, UHI-52™ MGOe Rare Earth tubes on staggered centers versus a single, center-flow cartridge circuit often prescribed for pneumatic line systems. This configuration ensures that all product flowing through the housing makes repeated contact with the magnets. The resulting capture rate of ferrous and weakly magnetic stainless contaminants far exceeds any other magnetic separator available for this type of application.

Ideal for dilute-phase pneumatic systems, the Pneumatic Housing is suitable for processing dry, powder, and granular materials. It can be used ahead of processing equipment and bulk load-out stations to ensure product purity and protect machinery from tramp metal damage.

Self-Cleaning Housing

IMI's Patented (U.S. PATENT NO. 8,474,629) Self-Cleaning model is a sealed unit which eliminates line pressure drops and surges, is leak-proof up to 15 PSI and eliminates the need for operator-required cleaning of metal contamination. It is ideal for hard to reach locations, removal of fine tramp metal, or an automated processing plant. Add a toggle switch to allow the operator to actuate the cleaning action from a remote location. In seconds, the air-actuated stripper device discharges collected tramp metal outside the housing. Custom sizes are available upon request, as well as transitions to match existing equipment.

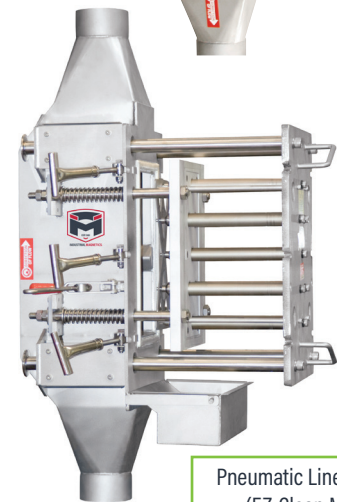
EZ-Clean Housing

The EZ-Clean Pneumatic Line Housing is designed to simplify the cleaning process for quick removal of collected tramp metal. To initiate cleaning, the operator pulls two handles on the front of the housing which removes the magnetic drawer from the product flow. As the drawer is pulled out, each magnetic tube passes through a seal which wipes the accumulated metal from the tubes. A catch pan is located under the tubes on the front of the housing to collect the metal for proper disposal.

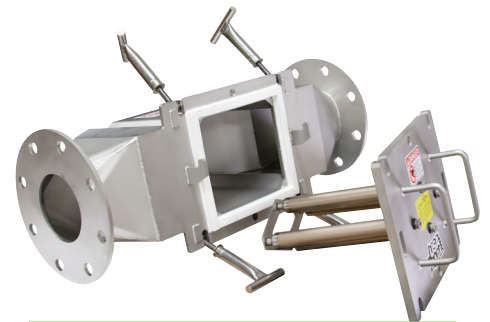
SimpleClean™ Manual Housing

SimpleClean™ Pneumatic Line Housings are ideal for applications with low levels of tramp metal contamination. The housing utilizes extended tubes that contain a non-magnetic area that is located in the back of the housing and outside of the product stream. To clean a row of magnetic tubes, open the door and remove the tube fixture. Over a non-ferrous container, simply wipe collected metal on the tubes until it reaches the non-magnetic area located at the end of the tubes where the metal falls off.

Pneumatic Line Housing
(Self-Clean Model)



Pneumatic Line Housing
(EZ-Clean Model)



Pneumatic Line Housing (SimpleClean™
with custom flanges and mounting design)

HACCP International Certified.

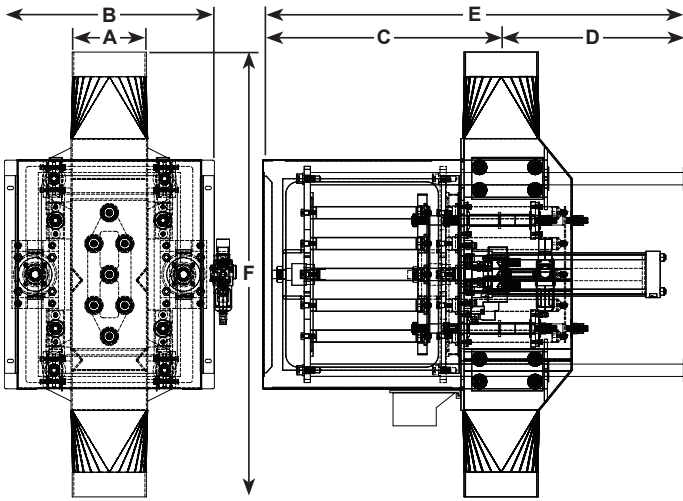


Our Sanitary Grade finish Pneumatic Line Housing Magnets, with the Opti-H™ magnetic tube circuit, are certified by HACCP International and fully conform to HACCP International's Food Safety Standard (0909MAGSEP 1-2010) for direct contact with food product.

TOLL FREE 1.888.582.0821 imi@magnetics.com



Pneumatic Line Housing Magnet Standard Specifications:



Pneumatic Line Housing SimpleClean™

MODEL	LINE SIZE A (O.D.)	WIDTH (B)	(C)	(D)	CLEARANCE (E)	(F)	TUBE QTY.	WT. (LBS.)
PLH0300RFG	3"	9"	7.47"	5.76"	13.23"	35.00"	4	49
PLH0400RFG	4"	9"	7.47"	5.76"	13.23"	35.00"	4	50
PLH0500RFG	5"	9"	7.47"	5.76"	13.23"	35.00"	4	52
PLH0600RFG	6"	9"	7.47"	5.76"	13.23"	35.00"	4	53
PLH0800RFG	8"	11"	8.47"	6.76"	15.23"	35.00"	7	66
PLH1000RFG	10"	11"	8.97"	7.26"	16.23"	35.00"	7	68

Pneumatic Line Housing EZ-Clean

MODEL	LINE SIZE A (O.D.)	WIDTH (B)	(C)	(D)	CLEARANCE (E)	(F)	TUBE QTY.	WT. (LBS.)
PLH0300REZFG	3"	13"	18.13"	14.66"	32.79"	40.00"	7	139
PLH0400REZFG	4"	13"	18.13"	14.66"	32.79"	40.00"	7	140
PLH0500REZFG	5"	13"	18.13"	14.66"	32.79"	40.00"	7	142
PLH0600REZFG	6"	13"	18.13"	14.66"	32.79"	40.00"	7	143
PLH0800REZFG	8"	15"	22.13"	15.66"	36.79"	40.00"	12	172
PLH1000REZFG	10"	16"	22.63"	16.16"	38.79"	40.00"	12	200

Pneumatic Line Housing Self-Clean

MODEL	LINE SIZE A (O.D.)	WIDTH (B)	(C)	(D)	CLEARANCE (E)	(F)	TUBE QTY.	WT. (LBS.)
PLH0300RSCFG	3"	17"	19.44"	15.38"	34.80"	40.00"	7	255
PLH0400RSCFG	4"	17"	19.44"	15.38"	34.80"	40.00"	7	256
PLH0500RSCFG	5"	17"	19.44"	15.38"	34.80"	40.00"	7	258
PLH0600RSCFG	6"	17"	19.44"	15.38"	34.80"	40.00"	7	258
PLH0800RSCFG	8"	19"	21.44"	17.38"	38.80"	40.00"	12	302
PLH1000RSCFG	10"	20"	21.44"	18.38"	40.80"	40.00"	12	414

NOTE: All dimensions are in inches.

Consult the Factory if your product is a sugar-based substance or has a magnetic additive such as Reduced Iron Enrichment Not recommended for installation in a horizontal line if cross-contamination of products is a concern.

FEATURES:

- » Welded stainless steel construction
- » Food Grade Finish and Gasket Standard
- » Ideal for dilute-phase pneumatic systems
- » Powerful UHI-52™ MGOe Rare Earth tubes
- » Nedox® Coated Tubes - Protection from abrasive materials and is self-lubricating to help prevent build-up and galling
- » Standard tube-size ends
- » SimpleClean™, EZ-Clean & Self-Clean (U.S. PATENT NO. 8,474,629) Models available
- » Drawer and/or Guard Lock-Out
- » Tool Free Guard Removal
- » No Line Pressure Drop
- » Leak-Resistant Silicone seal up to 15 PSI
- » Vertical or Horizontal Installations
- » Tramp Metal Catch Pans, EZ-Clean & Self-Clean

OPTIONS:

- » Custom sizes, finishes and magnet tubes
- » Camlock Fittings & Couplings
- » ANSI Flanges
- » Cart mounting for portable bulk load/unload
- » Built-in screener

Example of the Door Lock-out

