

GREEN



MAGNETIK

May the magnetic force be with you!

Fix magnetic grids



Cheep and easy way to remove ferrous impurities from granular and powdery materials. They can be installed in cone feeders, end of gravity conveyors, dispensers and many other places. We manufacture magnetic grids with a pipe diameter of $\text{Fi } 25$ and $\text{Fi } 34$ mm. The magnets in it are very strong Neodymium type N52 magnets with a magnetic strength of $B_{\text{max}}=14\ 800$ Gauss. They are available in square, rectangle and circular design.



Retractable magnetic grids



These separators can be easily cleaned by the retractable magnets. The grids are from stainless steel 304 or 316L. We use super strong Neodymium N52 magnets, with a magnetic strength of $B_{\text{max}}=14\ 800$. They are available with $\text{Fi } 25$ or $\text{Fi } 34$ mm diameter pipes. We make them in square, rectangle and circular design, as our customer requires.



Magnetic rods



We produce magnetic rods in two different diameters ($\text{Fi } 25$ and $\text{Fi } 34$ mm), and in a length which our customers requires. We can put inner or outer thread on the sides of the pipe. The rods are filled with rare earth Neodymium N52 magnets, with a magnetic strength of $B_{\text{max}}=14\ 800$ Gauss.



Separators with housing



One of our most sold products. They can be made with one, two or three magnetic grid. The grids can be retractable or fix. The fix grids have a stronger magnetic strength, the magnets are more protected, but they are harder to clean. The retractable grids have a slight smaller magnetic strength, but they have a fast and easy cleaning. The separators are made from stainless steel 304 or 316L, suitable for food industry. We use rare earth Neodymium N52 magnets with a magnetic strength of $B_{\text{max}}=14\ 800$ Gauss. They are available with square, rectangle and circular design, with or without flange.



GREEN MAGNETIK DOO
Lujze Blaha 23.
24000 Subotica



www.greenmagteik.rs

Tel: +381 (0)63 198 0359
office@greenmagnetik.rs

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Pipeline - bullet magnet



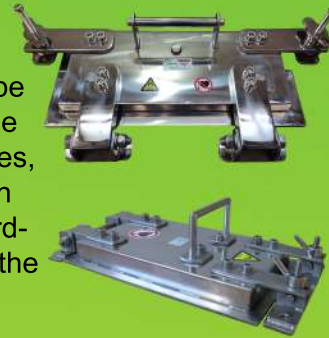
They are for gravity pipes, for materials that has a high abrasive effect (dry corn, seeds, granulates,...). They can handle large capacities. We can make them with ferrit magnets if the costumer wants to remove mainly larger metal contaminations, and also we can make them with rare earth magnets, that can even remove finest metal powder. These separators are available in any pipe diameter up to Φ 500 mm, also for squair, rectangular pipes. They can be mounted with flanges.



Plate magnets, magnetic doors



It is easy to install the pale magnets in to the existing system. They can be hanged up above the covaying belt. The cleaning of the separator can be automated if needed. The magnetic doors can be installed in angeled pipes, soo the material slides on the magnet. These separators are available in ferrit and neodymium fillings. We can make them in different width, according to the customer. The needed height of the magnetic plate depends of the thickness of the material flow, and the material type.



Self cleaning separators



We have self cleaning separators for all cind of material. They work well for places where the material flow cant be stopped, hard to reach places, when there is a lot of metal in the system and the manual cleaning is too slow, to remove human factors, etc. They are available with ferrit and in neodymium magnetic filling. We can also make them for small and large capacities.



Metal detectors



They can detect all cind of metal contamination. Can be made for dry and liquid materials. According to the desing they can be tunnel- or flat metal detectors. The tunnel detectors built in convayors, they can be open or closed systems. The flat detectors can be built in gravity pipe-lines (liquid materials). Our separators are made out of stainless steel (304) if needed, or with simple metal design. The detectors are available with automatic cleaning.



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For liquid, compressed air transport

The best possible solution for iron removal of products that are transported through pipelines. It is often used for vacuum conveying systems, fluid conveying systems, as it can withstand high pressures (8-10 bar). Also suitable for small pipes up to Φ 40 mm. It is recommended to install it horizontally, as it does not spill material during cleaning, but it can also be installed vertically. The selector is available in a double-walled design, where hot water can flow between the two walls (eg to keep chocolate melted).



Magnetic plate with automatic cleaning

It is designed for metal sorting from lumpy, powdered materials delivered on a conveyor belt. It is recommended for the selection of larger pieces of metal (screws, nails, pieces of wire, ...) where they are highly present in the material and the single magnetic plate should be too hard to clean by hand. The separator drops the metal next to the conveyor. The plate is filled with ferrite magnets. Its thickness depends on the thickness of the material from which they want to select the iron.



Separator with rotating magnet

Recommended for materials where the material has poor purifying properties (clumps, stuck in the pipe, ...). The rotating metal separator facilitates the movement of the material while coating the metal contaminants from the material. The bars of the magnetic grid are arranged in a circle and they are cleaned by hand. We produce in two versions: FIX and RAZ. In the RAZ version, the magnets can be pulled out of the grid, which cleans all the bars, in the FIX version the bars cannot be pulled apart, here they have to be cleaned one by one, but they have a higher magnetic force than the RAZ version. The rods are filled with Neodymium N52 magnets.



Measuring the strength of the magnets and assessing their condition

Magnets lose their strength over time (Neodymium 1% / year). If they get a higher temperature than they have seen in advance, their strength will drop drastically. The strength of the magnets can be measured with a so-called gauss meter. Our company undertakes such measurements, during which we measure all metal selectors (including those not manufactured by us), check that their operation and verify them with a certificate. They can track the operation of their machines and if any repairs or replacements needed.



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