

Square Grid Magnet

High Intensity – Rare Earth

Datasheet No. 504



The Eclipse Magnetics high intensity Square Grid is very versatile and can be used in most powder, granulate and liquid applications for the removal of ferrous and para-magnetic contamination down to sub-micron size.

These units can be manufactured to any size and with any number of rods to meet most application requirements. The grids' low profile side frame means they can be installed into existing chute work or machinery where height is restricted.

Grids are of particular interest to OEMs who wish to incorporate them into their machinery with the minimal amount of redesign.

Cleaning

Due to the high intensity magnetic field and simple design, fixed grids require more effort to clean than the Eclipse Magnetics 'Easy Clean' design: remove the grid from its process position and, using a gloved hand, push the contamination down each rod. This will release the majority of all attracted contamination. Adhesive tape can be used to remove remaining or very fine contaminants.

Please consider using the Eclipse Magnetics Easy Clean Grid (datasheet 506) as an alternative.

Suitable Products

Dry powders and granulates.

Suitable Locations

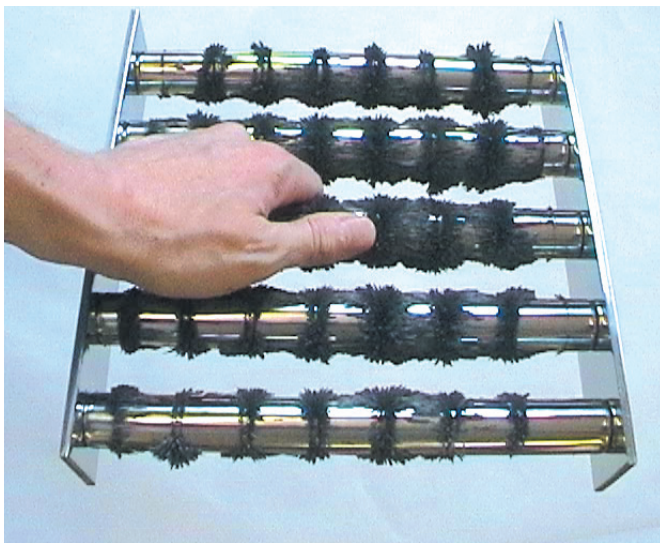
Any vertical or slightly angled process line.

Benefits

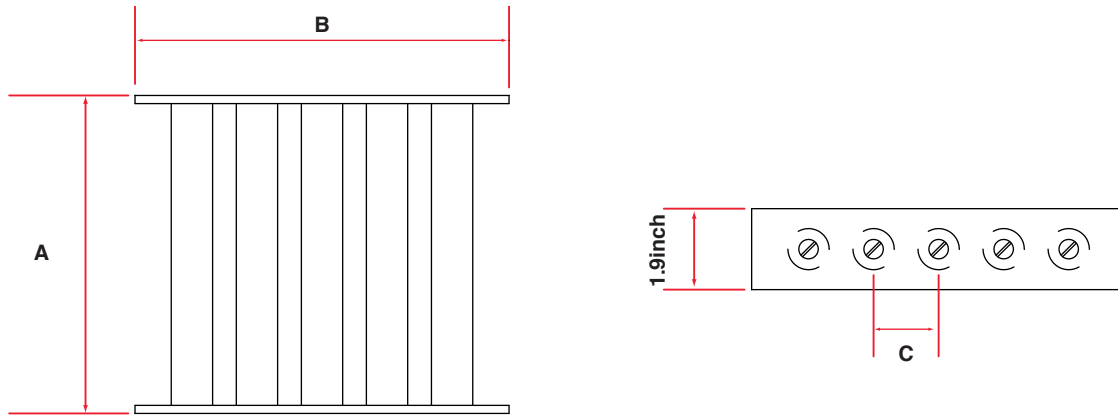
- Simple to install
- Reduces 'spark' risk
- Removes sub-micron sized contaminants
- Meet audit requirements
- Rare earth 7,000, 11,000 and 9,000 Gauss

Category

Secondary protection - fines.



Technical Data



Product Information

Part Number	A inches	B inches	C inches	No. Rods	Weight kg	Weight lb
GM1515	5.9	5.9	2.3	2	3.2	7
GM2020	7.8	7.8	2.3	3	3.8	8.3
GM2525	9.8	9.8	2.1	4	6.2	13.6
GM3030	11.8	11.8	2.1	5	8.0	17.6
GM3535	13.7	13.7	2.1	6	11.0	24.3
GM4040	15.7	15.7	2.1	7	14.8	32.6
GM4545	17.7	17.7	2.1	8	19.2	42.3
GM5050	19.6	19.6	2.1	9	21.0	46.3

Performance

Magnetic performance

7,000 Gauss - standard strength
 9,000 Gauss - high strength
 11,000 Gauss – super high strength

Performance reading

On tube surface

Magnetic material

Rare earth neodymium iron boron

Magnet grade

N35 and N45 – Inspected and confirmed via hystero-graph prior to use

Temperature

-4°F / +194°F

Materials

Grid frame

316 grade stainless steel

Tubing

316 grade stainless steel – aerospace quality

Other parts

316 grade stainless steel

Surface finish

Polished to 0.6µm

Options

- High temperature samarium cobalt magnetic material +482°F
- Sizes up to 39inches x39inches
- Pharmaceutical specification
- Safety relay switch
- ATEX certified

If you have any more questions, require technical assistance or would like a quotation, please contact us.

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While every effort has been made to ensure the accuracy of the information in this publication please note that specifications may change without notice.

