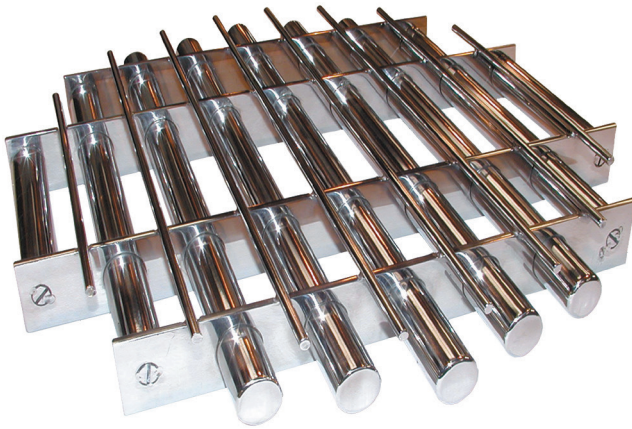


Circular Grid Magnet

High Intensity – Rare Earth

Datasheet No. 503



The Eclipse Magnetics high intensity Circular 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 these units can be installed into existing pipelines or feed hoppers.

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

Cleaning

The high intensity magnetic field and simple design mean fixed grids require more effort to clean than the Eclipse Magnetics 'Easy Clean' design. Remove the grid from it's 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.

Suitable Products

Dry powders and granulates.

Suitable Locations

Any vertical or slightly angled process line.

Benefits

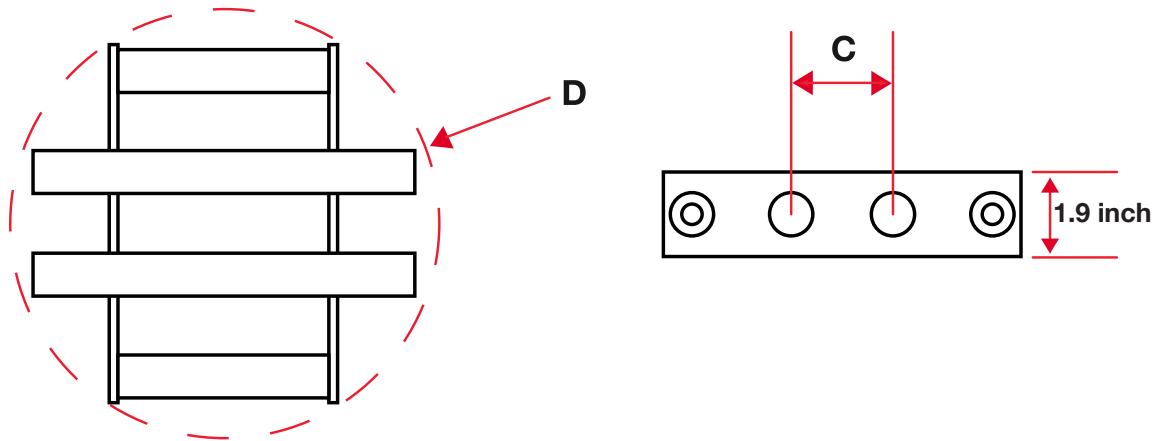
- Simple to install
- Reduces 'spark' risk
- Removes sub-micron sized contaminants
- Meet audit requirements
- Rare earth 7,000, 9,000 and 11,000 Gauss

Category

Secondary protection - fines.



Technical Data



Product Information

Part Number	Ø D inches	Centres C inches	No. Rods	Weight kg	Weight lb
CG100	3.9	1.7	2	1.2	2.6
CG150	5.9	1.9	3	1.5	3.3
CG200	7.8	2.3	3	2.2	5
CG250	9.8	2.3	4	3.7	8.2
CG300	11.8	2.3	5	5.0	11
CG350	13.7	2.3	6	7.0	15.4
CG400	15.7	2.3	7	9.5	21
CG450	17.7	2.3	7	14	31
CG500	19.6	2.3	8	17	37.5

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 39 inches diameter
- Pharmaceutical specification
- 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.

