

## High intensity - Rare Earth



### **Preface:**

The Eclipse high intensity Easy Clean grid is very versatile and can be utilised in most powder, and granulate applications for the removal of ferrous and paramagnetic contamination down to sub micron in size.

These units can be manufactured to any size and with any number of rods to meet most application requirements. Due to the grids low profile side frame these units can be installed into existing chute work or machinery where height is a restriction.

Easy clean grids can be cleaned in under fifteen seconds, which are of particular interest to those companies that run 24/7 operations or where downtime is minimal. These grids can also be supplied in housings for ease of installation into existing process line, data sheet 510 and 511 to be referred to.

### **Cleaning:**

These grids can be cleaned in seconds. Simply remove the securing tri-cone nut, pull the magnetic cores out of the stainless steel tube assembly and the contamination simply falls away. It is at this stage that all attracted contamination can be easily removed allowing for inspection or further analysis.

### **Suitable Products:**

Dry powders and granulates.

### **Suitable Locations:**

Any vertical or slightly angled process line.

### **Benefits:**

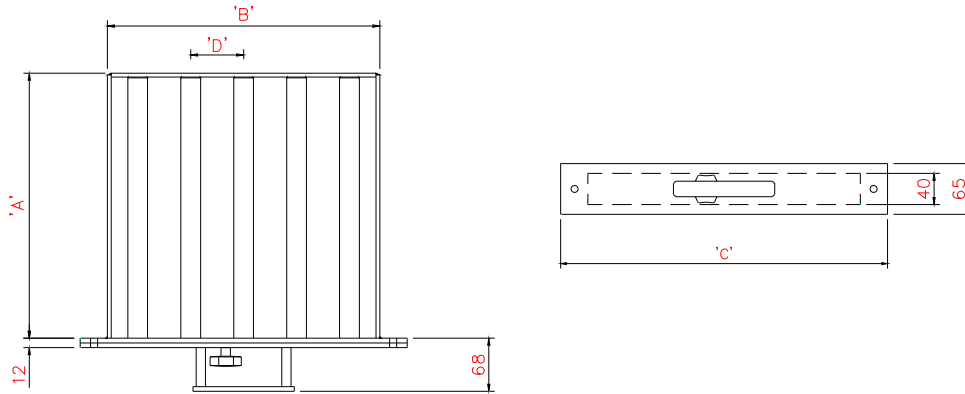
Easy to clean ■ Simple to install ■ Reduces 'spark' risk ■  
Removes sub micron sized contaminants ■  
Meet audit requirements ■ Rare Earth 9,000 Gauss ■

### **Category:**

Secondary.



## Technical Data:



### Sizes:-

Part No	Length A	Width B	Width C	Centres D	No. Rods	Weight Kgs
EC1515	150	150	220	60	2	3
EC2020	200	200	270	60	3	4.2
EC2525	250	250	320	55	4	6.8
EC3030	300	300	370	55	5	8.6
EC3535	350	350	420	55	6	12.0
EC4040	400	400	470	55	7	16.3
EC4545	450	450	520	55	8	21.1
EC5050	500	500	570	55	9	25.0

All dimensions in mm

### 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 & N45 – Inspected & confirmed via hystergaph prior to use

#### Temperature:

-20° C/ + 90° C

### 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 + 250° C  
 Sizes up to 1000 x 1000 mm  
 Pharmaceutical specification

Safety relay switch

ATEX certified

