



PERMAG's Rotary magnetic separator is an inline magnetic separator used in vertical process lines for the extraction of ferrous particles from difficult to process substances that are prone to bridging or caking.

This unit contains centrally mounted Magnetic Cartridge Assembly arranged in a wheel around and parallel to the axis of rotation. The number of rods used depends on the inlet and outlet size. These powerful magnetic cartridge assembly rotates by motor driving. The unit rotates a number of powerful magnetic cartridges while the product passes through. It is ideal for removing super fine, high viscosity or poor fluidity materials that is prone to clogging, caking or bridging.

HOW IT WORKS

- > The unit contains a centrally mounted magnetic 'Rotary' assembly. Magnetic rods are arranged in a 'wheel' around and parallel to the axis of rotation. The number of rods used depends on the inlet and outlet size.
- > The assembly rotates, gently agitating the product being processed. It is this agitation that prevents blockages occurring. All dry and semi-dry powders and granular type materials, such as starch etc., can be processed through the unit.
- > To clean, simply open the door and remove the assembly from the housing. Remove the magnetic Rods from the assembly. All attracted contamination will then be released allowing for inspection or further analysis.

ADVANTAGES

- Prevents blockages occurring.
- Allows difficult products to be screened
- Removes sub-micron sized contaminants
- Removes iron content & extends life of machines
- Reduce downtime and increase productivity

FEATURES

- ▶ Easy installation and cleaning
- ▶ High grade stainless steel construction
- ▶ High grade rare earth magnets
- ▶ Easy access for inspection and maintenance
- ▶ Square chute or round pipeline flange
- ▶ Custom designed to fit installation requirement
- ▶ NORD, Siemens Gear Motors & NORD, Bonfiglioli Gear Boxes are used

TECHNICAL DATA SHEET

- Magnetic Strength – 11500 To 12000 Gauss variants available in magnetic gauss as per requirement.
- Magnet Used – Nd-fe-b (Rare Earth)
- Grade – N 52M (Highest Grade)
- Temperature – Up To 100°C (magnets available as per requirement for high temperature)
- MOC – SS 304 / SS 316
- Surface finish – mirror / glass bead
- Inlet / outlet connection – flange
- High grade FDA approved Gaskets.
- Heavy duty SS toggle clamps for locking.