



PERMAG's Magnetic Grills offers powerful magnetic separation suitable for mechanical and gravity flow applications in all industries. Magnetic Grills can be installed or simply laid inside hoppers, pits, chutes, housings, and bins, where they can be easily accessed for cleaning.

Magnetic Grills filter very fine ferrous contaminants from free-flowing powders and granulates. Permaga's designs offer maximum capture, control and protection of equipment while improving product purity. Magnetic Grills are most effective when the product is dry, free flowing and does not bridge between the magnetic tubes.

## HOW IT WORKS

- > PERMAG's Magnetic Grills are built with very high power RE Magnetic cartridges fitted in SS Frame with 1" diameter magnetic tubes designed to create an extremely effective magnetic circuit. These Magnetic Grills can be placed directly in the product stream allowing free flowing products to come in direct contact with the magnetic grills.
- > Cleaning is achieved by removing the Magnetic grill from its process and push the contamination towards non-magnetic area of each rods. This will release the majority of all attracted contamination.

## ADVANTAGES

- Magnetic flux circuit geometry ensures the controlled build-up of contamination which reduces bridging or chocking of product stream
- Removal of Fe content extends life of machines
- Drastic reduction in bypass of ferrous particle through magnetic grills
- Reduce downtime and increase productivity

## TECHNICAL DATA SHEET

- Magnet Gauss – 11500 To 12000 Gauss variant available in magnetic gauss as per requirement
- Magnet Used – Nd-fe-b (Rare Earth)
- Grade – N 52M (Highest Grade)
- Food grade & sanitary finish available
- Available in round, half round, square & rectangular size
- 304 / 316 stainless steel is available for corrosive environments
- 1" Dia magnetic tubes fitted in SS frames

## FEATURES

- ▶ 304 / 316 stainless steel, all welded rugged construction
- ▶ Available in round , square , rectangular size
- ▶ Very powerful high grade N52M rare earth magnets
- ▶ Available In 12000 Gauss
- ▶ Can withstand upto 100°C
- ▶ Easy to install & zero maintenance required
- ▶ Remove metal upto 30 microns
- ▶ High filtration efficiency
- ▶ Easy to clean
- ▶ Custom size in length & width available