

Magnetic Sweepers

Description

Magnetic Sweepers are designed for floor sweeping applications in Industrial plants.

The powerful magnet assembly with a deep field is encapsulated in a stainless steel housing.

A hinged wear plate is provided protect the face plate of the magnet from impact of damaging tramp iron attracted.

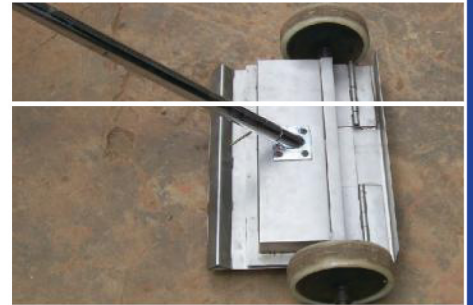
The magnet is mounted on stainless steel shaft on which is mounted a pair of Polyurethane wheels.

Using the stainless steel handle provided the sweeper is rolled over the floor. The iron collected can be easily discharged by putting a foot on the pedal and swinging the handle away from the body as shown in the picture.

Features:

- Stainless steel magnet housing.
- Polyurethane wheels.
- Stainless Steel Handle.
- Sizes 8" up to 24" in 4" increments.

Special design can be offered up to 40" wide for mounting on forklift .



Magnetic Sweepers

DESCRIPTION

Permanent Plate magnets are installed in the base of inclined Gravity feed chutes to extract ferrous metals from materials being processed. It is fitted into a cut out on the base of the chute and the hinge provided is either welded or screwed on to the base.

FEATURES.

- Magnets are encased in Stainless Steel Housing.
- Wedge provided on magnetic face for retention of ferrous material trapped.
- Manufactured in four magnetic strengths.
- Stainless Steel Hinges provided for installation.
- From 6" width onwards in increments of 2" up to 40" width.

MODELS

Ferrite Medium Power (FMP) - 2- 3" Burden

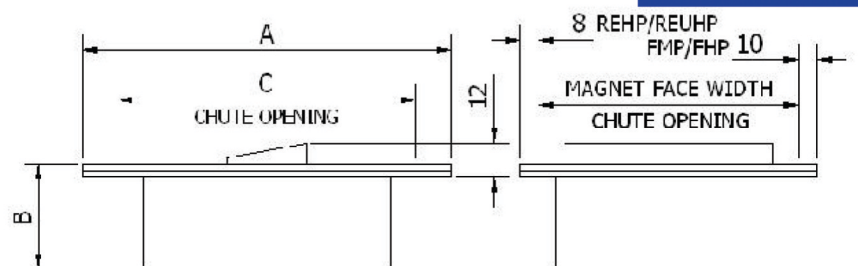
Ferrite High Power (FHP) – 3- 4" Burden

Rare Earth High Power (REHP) Shallow Burden

Rare Earth Ultra High Power (REUHP) – Shallow Burden

DIMENSIONS

Model	A (mm)	B (mm)	C (mm)
FMP	224	54	170
FHP	296	69	240
REHP	174	31	134
REUHP	174	56	134



TUBE MAGNETS

Description

Swenco permanent Tube Magnets are designed to remove fine ferrous contamination from dry and liquid products.

It is recommended to use Ferrite Magnetic tubes for tramp iron particles and Rare Earth Magnetic tubes for trapping fine ferrous or weakly magnetic contamination.

The magnetic circuit utilizes the strongest magnetic material available to recover fine iron contamination and prevent wash off of material collected.

Features

One inch diameter tubes,
Tubs in Stainless Steel (316 / 304) Construction.
Powerful Rare Earth Magnetic Circuit.
Special Circuits for 70° C, 120° C and 200° C applications
Powerful Ceramic Circuits for tramps iron collection,
Available in standard lengths beyond 60 in 20 Increments.
Also Custom made to any length.

Models

Tube with M6 threaded ends with countersunk socket head screw
Tubes with plain ends.
Tubes with M6 threaded ends.



Ultra reach Magnetic Separator

DESCRIPTION

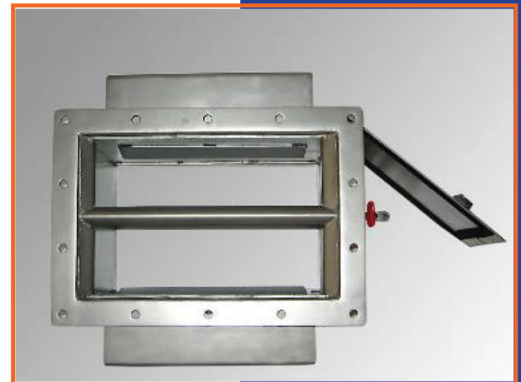
Ultra reach Magnetic Separator is typically installed on vertical gravity flow lines, to trap ferrous contamination from product flow. It is recommended for installation when lumpy products are being handled. These products which are lumpy tend to choke when fed through a Grate in Housing.

The separator has two powerful magnetic assemblies with deep field assembled on opposite sides of a Stainless Steel housing provided with an inspection door for frequent cleaning of the magnetic faces.

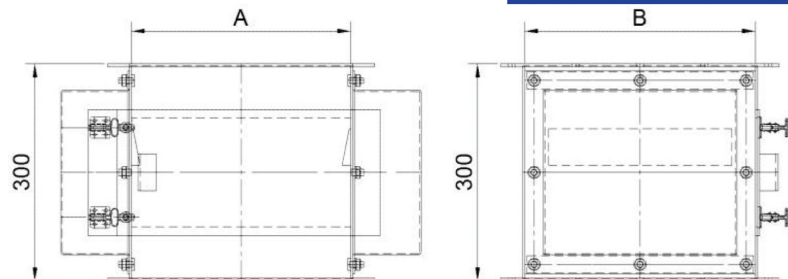
A stainless steel deflector deflects the material to either of the magnetic faces thus ensuring efficient separation.

FEATURES

- Two powerful magnets with Deep Magnetic field
- Stainless Steel—SS304 housing with inspection door
- Central deflector in stainless steel
- Quick release toggle clamp
- Flanges drilled for ease of installation
- Available in 3 sizes



MODEL	A	B
URM080812	204	220
URM101012	254	270
URM121212	304	320



All dimensions are in mm.

* Dimensions are subject to alteration without prior notice

Suspended Permanent Magnet

Suspended Permanent Magnet is for installation over conveyor to extract tramp metal from material burden.

Specially designed magnetic circuit ensures a very deep magnetic field and Gradient to trap contamination from fast moving belts.

Suspended Permanent Magnet comes in 5 different magnetic strengths to suit various belt widths and suspension height.

The magnets can be configured with the Manual Cleaning (MC) option and can be provided with Sliding plate (optional) for ease of removal of trapped contaminants.

The magnets can also be fitted with the Self Cleaning option. The system incorporates a belt built around the magnet to automatically remove metal trapped on the magnet face. Channel frame work built around the magnet supports two pulleys over which the belt with SS304 or vulcanized rubber cleats are mounted. The pulley is mounted on bearings and driven by a TEFC motor using V- Belts.

SPMA - up to 4" suspension height

SPMB - up to 6" suspension height

SPMC - up to 8" suspension height

SPMD - up to 10" suspension height

SPME - up to 12" suspension height

