

# METAL DETECTOR mod. MDF serie C

Metal Detector  
for free-fall products



**MDF** Metal Detector is a valid control tool to be used in industry production processes to detect metal contaminants which may accidentally be present in industrial products, with high sensitivity levels, immunity to interferences and response speeds so to satisfy the Quality Control standard requirements.



The metal detectors mod. **MDF ver. C** can be assembled for vertical fall or for inclined pipes.

Specially made for checking granular products, flours, and meals passing inside the pipes.

The metal detector mod. **MDF ver. C** are manufactured with a wide range of pipe passage flow diameters, to fit all kind of products and conditions of use.

The metal detector can be equipped with a rapid action ejection valve, able to reject the contaminated product even if it is transiting at high speed.

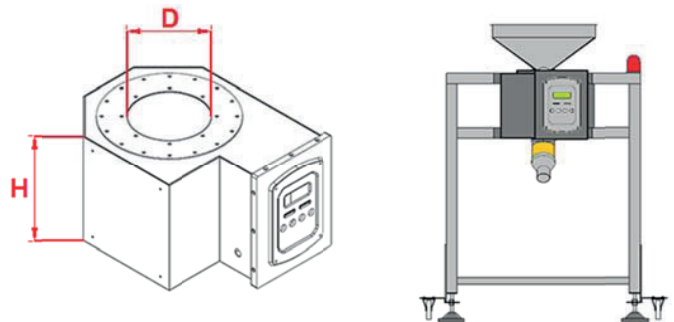


BASIC EQUIPMENT	ACCESSORIES
a. Height adjustable feet.	a. Ejection System. b. Visual, audible alarm indicators. c. Locking pivoting wheels.

## TECHNICAL SPECIFICATIONS

- Voltage: 110-240 Vac, 50-60 Hz.
- Power Absorption: 70 VA.
- Temperature Range: -10/+55°C.
- Relative humidity: 0-95% (non-condensing)
- Built-in RS232 serial interface board.
- Built-in RS485 serial interface board.
- Visual, audible, electric alarm indicator.
- Power supply board input protected with PTC and NTC.
- High sensitivity to all magnetic and non-magnetic metals, including stainless steels.
- Multi-frequency Technology for the highest sensitivity to the changing of the product effect.
- High immunity to environmental interference.
- Structure and components in AISI 304 stainless steel with IP65 degree of protection.
- Auto-acquisition and automatic tracking of the Product Effect.
- Password Access for user level programming.
- Password Access for operator level programming.
- Up to 50 products storable in memory, selectable in local programming.
- Programmability of all the parameters.
- Minimal maintenance.
- Metering signal proportional to the threshold setting.
- 400 levels of sensitivity.
- Filters selectable by programming.
- Totalizer for counting the rejected pieces.
- Alphanumeric LCD Display - 4 Rows by 20 Characters.
- Programming: 4 keys.
- Fully **CE** standards compliant .
- Fully in compliance with the International Standards for Electrical Safety and Electromagnetic Compatibility.
- Fully **ISO - FDA - HACCP** compliant.

## SIZE



MODEL	D (mm)	H (mm)
<b>MDF-C -100</b>	100	300
<b>MDF-C -200</b>	200	300