

THS/FFV

Integrated system with ejection valve for granular and powder products



- 1) CLAMP
- 2) CEIA METAL DETECTOR
- 3) PIPE
- 4) POWER SUPPLY HOUSING
- 5) EMERGENCY BUTTON
- 6) COMPRESSED AIR UNIT
- 7) EJECTION VALVE
- 8) VALVE ACTIVATION



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HEAT AND CONTROL

www.heatandcontrol.com



Very high sensitivity to all magnetic and non-magnetic metals, including stainless steel

Ejection speed and accuracy, with the minimum amount of rejected product

Full compliance with **HACCP** criteria

Pipe in antistatic material, certified for contact with food products

Body and metal components entirely of stainless steel

Easy to clean and inspect

High level of electronic and mechanical **reliability**

Minimum installation space required

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www.ceia.net



The THS/FFV integrated system is especially designed for the inspection of powder and granular products and the elimination of any contaminating metals, whether magnetic or non-magnetic.

The digital analysis of the signal provided by the antenna (DSP) allows the user to achieve extremely high sensitivity, immunity to interference and operational stability.

The materials used in construction, which conform to FDA regulations, do not interact with food products, and therefore do not alter or modify their composition.

The extremely high detection speed of the THS/FFV allows elimination of the contaminated portion of product without slowing down production flow and with a minimum amount of waste.

The structure, equipped with casters, provides ease of installation and maintenance.

Technical Specifications

General Features

- Construction in stainless steel and FDA-approved plastic materials
- Fast disassembly and cleaning
- Very high throughput
- Precise ejection of the contaminated product
- Valve for powder (THS/FFV-xxP) and granulated (THS/FFV-xx) products

Metal Detection Features

- Very high sensitivity to ferrous and non-ferrous metals, including stainless steel
- Very high immunity to external electrical and mechanical interference
- Automatic balancing
- Built-in self-diagnosis system

Production Data Management

- Complete production logging (using dump of the internal memory or THS Report):
 - Ejections
 - Test results
 - Parameters modification
- Network interface: RS-485

Signaling

- Acoustic and optical

Programming

- Local: Keyboard and 80 character LCD Display
- Remote via RS-232, RS-485

I/O and Environmental Data

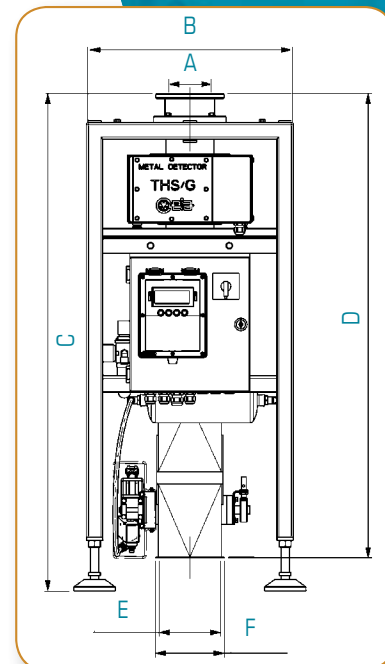
- Power supply: 115/230 VAC, -22%/ +10 %, 48-62 Hz, 60 VA
- Compressed air 0,6 ÷ 1 MPa
- Operating temperature: from 14°F (-10°C) to 131°F (+55°C)
- Relative humidity: 0-95% (without condensation)
- Relay outputs
 - Metal detector alarm
 - Ejection
 - Test request
 - Fault
- Direct RS-232 connection to printer or PC

Certification and Conformity

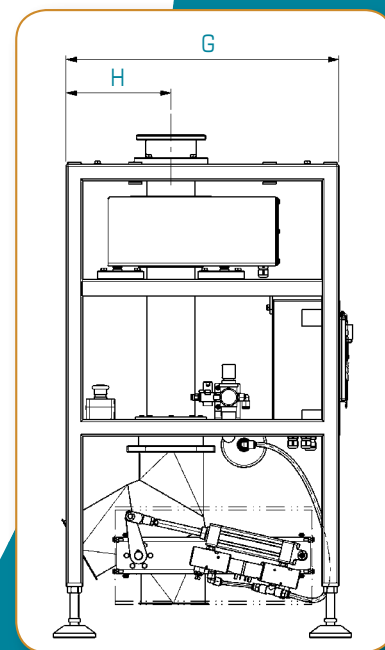
- Complies with EC regulations and international standards relating to electrical safety and electromagnetic compatibility.

Applications

- Food, chemical, pharmaceutical and plastics industries



THS/FFV-XX FRONT VIEW



THS/FFV-XX SIDE VIEW

MODEL	A	B	C	D	E	F	G	H
THS/FFV-75	3"	19.69"	47.24"	39.17" *(44")	5.83"	6.54"	25.59"	9.84"
THS/FFV-75P*	75 mm	500 mm	1200 mm	995 mm *(1120 mm)	148 mm	166 mm	650 mm	250 mm
THS/FFV-100	4"	19.69"	47.24"	39.17" *(44")	5.83"	6.54"	25.59"	9.84"
THS/FFV-100P*	100 mm	500 mm	1200 mm	995 mm *(1120 mm)	148 mm	166 mm	650 mm	250 mm
THS/FFV-150	6"	25.59"	57"	45.87" *(50.39")	7.80"	8.46"	31.50"	12.80"
THS/FFV-150P*	145 mm	650 mm	1450 mm	1165 mm *(1280 mm)	198 mm	215 mm	800 mm	325 mm
THS/FFV-200	8"	25.59"	57"	45.87" *(50.39")	7.80"	8.46"	31.50"	12.80"
THS/FFV-200P*	200 mm	650 mm	1450 mm	1165 mm *(1280 mm)	198 mm	215 mm	800 mm	325 mm

* MODEL THS/FFV FOR POWDER PRODUCTS

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®

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