



MAGNETIC ROD CATCHER PCM

product information

Intended Use

The magnetic rod catcher PCM has been designed for quick and easy purity control of flours, meals, powders, granulated products and liquids as regards to the content of ferromagnetic impurities in them and impurities having weak magnetic properties. The catcher can be used for the quality control of incoming and outgoing products and semi-finished products, and also for substances in crucial points of production (e.g. after mechanical mixing, blending, cutting by machinery, etc.) to determine the concentration of all potential impurities showing strong or weak magnetic properties.

Construction

The magnetic part of the catcher is made of neodymium magnets. The catcher's external elements directly in contact with the tested substance are made of polished, acid-resistant stainless steel compliant with food industry standards.



Principle of Operation

Magnetic impurities contained in the tested material are attracted by the strong magnetic field of the magnets and secured to the casing tube. Cleaning the catcher of magnetic impurities consists in shifting the magnetic plunger within the casing tube. Impurities move on the tube surface as far as the flange and gravitationally fall down as a result of the magnetic field loss.



Technical Data

- ❖ maximal value of magnetic flux density on tube active part surface: 0,65 T,
- ❖ maximal operating and storing temperature: 70 °C,
- ❖ dimensions and weight:

Catcher type	PCM-1	PCM-2	PCM-3
Total length [mm]	272	475	670
Length of magnetic active part [mm]	80	160	235
Flange diameter [mm]	77	77	77
Weight [kg]	0.71	1.08	1.50

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