



Metal Detecting Separators



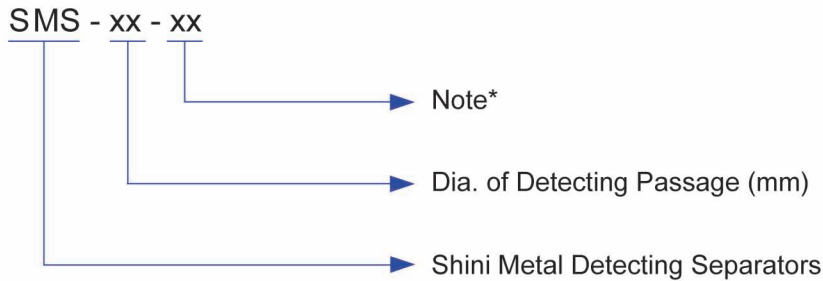
SMS-70



Refer carefully to the manual before using products.



■ Coding Principle



Note*
CE=CE Conformity

■ Features

Standard configuration

- Fast separating all the metals from the material.
- The minimum detectable diameter of the metals can be as small as 0.4mm.
- Compact design, easy to install and simple to operate.
- Mount directly on injection moulding machine or extruder hoppers to protect facilities from the damage caused by hard metals.
- Standard equipped with a 12 litres hopper.

Accessory option

- Specific size of hoppers and floor stands can be customized to meet any requirement.



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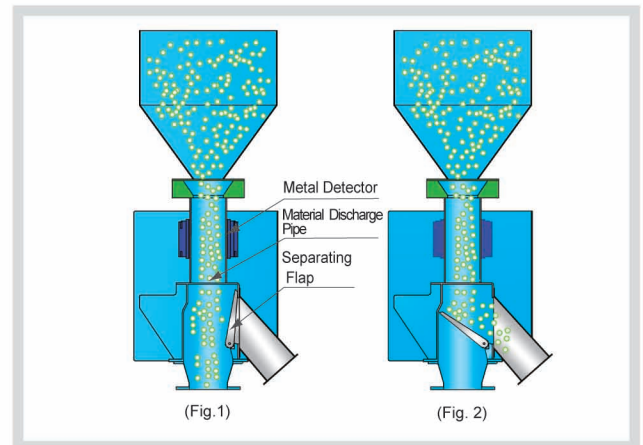
■ Application

SMS series metal detecting separators are highly sensitive and accurate in detecting and separating metal grains, such as steel, iron, copper, aluminium, lead, tin, and so on. Its principle is when metal impurities pass through it, electrical detector can send a signal to control board to start valve to discharge the impurity materials. Pneumatic discharging system takes little space and ensures good performance. It can be installed directly on injection moulding machine or (extruders) hoppers to protect the screw of machine from the damage caused by hard metals. There are three models of the series: SMS-35~70, processing capacity can reach up to 400L/hr~5,000L/hr to meet any specific requirement.

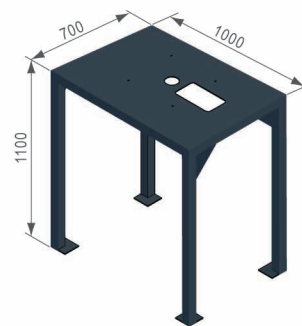
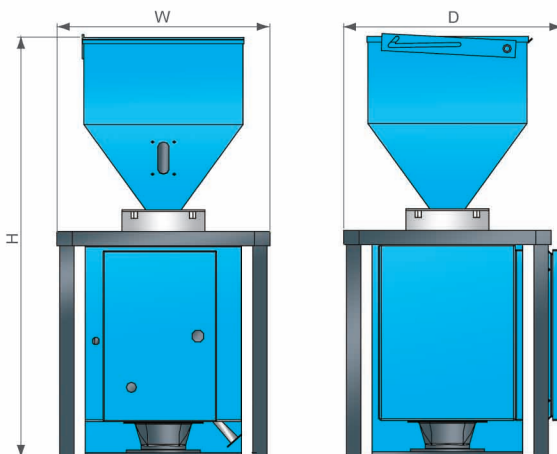
Working Principle

Material discharge pipe has a ring-type metal detector sleeved on and when material with no metal comes through it, no signal will be sent out from the detector to activate the separating flap from its standby position. Thus material will flow out via the passage showed in Fig. 1.

However when material with metal comes through it, signal will be sent out from the detector to move the separating flap to the another position. Thus material will flow out via the passage showed in Fig. 2.



Outline Drawings



Floor Stand Dimensions

Specifications

Model	SMS-35	SMS-50	SMS-70
Maximum Throughput (L/hr)	400	2,000	5,000
Minimum Detectable Diameter (mm)	0.4	0.5	0.7
Diameter of Detecting Passage (mm)	35	50	70
Dimensions (mm) H x W x D	740 x 375 x 390	740 x 375 x 390	740 x 375 x 390
Weight (kg)	37	37	37

- Notes: 1) Testing result of maximum throughput is based on particles of 0.8kg/L in bulk density and 2~3mm in size.
 2) The minimum metal diameter is detected based on ferrous metal testing standard.
 3) Power supply: 1Φ, 115/230VAC, 50/60Hz.

We reserve the right to change specifications without prior notice.

