



Subject to change without notice!
Rev. 0701

Metal separator Digital+ / Digital

Compact

Application

These separators are used for various applications in the plastics or the chemical industry. The separation of metal is realized using compressed air - metallic pieces are blown out. There are no mechanically stressed parts. The device is compact and the installation height is at only 225 mm. This makes the separator appropriate for applications with restricted space conditions or for retrofitting.



Metal separator Compact

Function

In the upper part of the separator the sensor coil of the detector is situated. If metal falls through the sensor the signal is collected and processed by the operating electronics. Subsequently the electronics precisely excites the pulse for piloting the valves. The valves are opened and metal is blown out sideways by the air stream. As the device does not have movable or mechanically stressed pieces, there is no abrasion and no need for maintenance.

Specific characteristics

- separating system free of maintenance
- different outlet dimensions available
- all devices mechanically compatible
- compact design
- proper for ponding bulk material



Type	Compact 25		Compact 50		Compact 70	
Mechanical data						
Height	225 mm					
Sensor aperture model Digital Compact	not available		50 mm		70 mm	
Sensor aperture model Digital+ Compact	24 mm		45 mm		65 mm	
Material-ejection unit	Aluminium					
Material-base frame	Aluminium					
Material-protection tube ²	GF30					
Payload	max. 150 kg					
Weighth	~ 14 kg					
Conditions of use						
Storage temperature	-10 .. 60°C					
Operating temperature	0 .. 60°C					
Protection class	IP50					
Electrical connection	see Datasheet of the control unit					
Pneumatic connection	4-6 bar, filtered, water- & oilfree; self-sealing-coupling - fitting NW 7,2					
max. drop height of the bulk material	Use only for sagging material!					
Troughput ³	450 l/h		2.000 l/h		5.400 l/h	
Sensitivity¹						
Material-Test piece	FE	SS	FE	SS	FE	SS
Digital+	0,2	0,5	0,35	1,1	0,5	1,2
Digital	not available		0,5		2,0	

Ordering code:

Electronic

Digital+ / Digital

Separator type

Compact 25 - Compact 70

(e.g.: Digital+ Compact 50)

¹ The actual sensitivity depends on various factors. Unfavourable environmental conditions or vibrations can reduce the sensitivity. Conductive test material can also influence the sensitivity. For obliging information please contact our service or sales department. Our service includes product tests in our headquarters.

² Other materials available (glas, antistatic; wear-resistant)

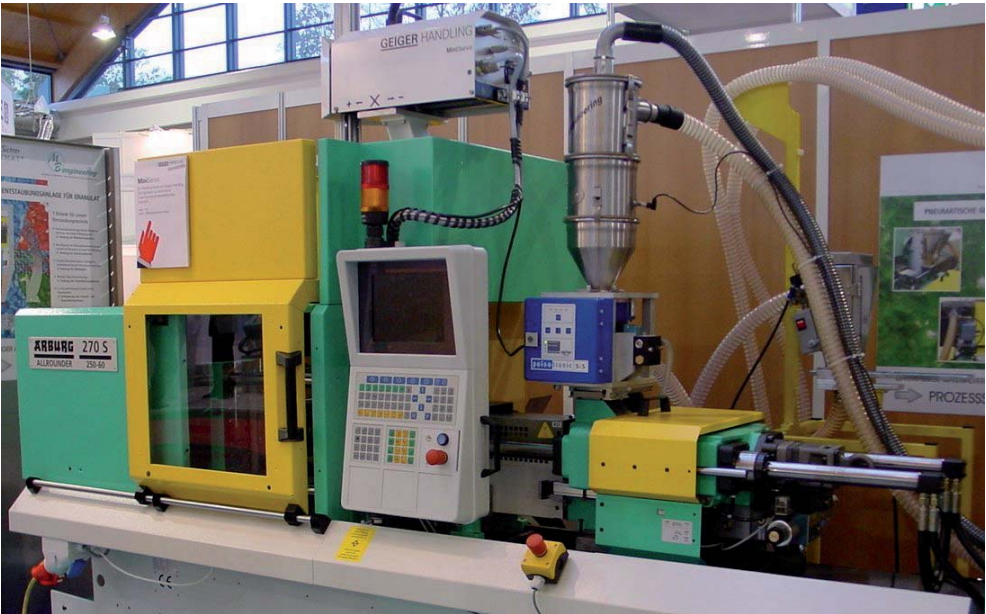
³ Measured with granulate PET - grain dimensions 2 - 4 mm.



Special designs & accessories

Designation	Order number
Pneumatic guard	When ordering please add option 45

Application examples



Digital Compact 50 directly mounted on an injection moulding machine.



Digital Compact 50 for control of plastic granulate with mounted silo and vacuum conveying plant.

Metal separator Compact

Dimensions

