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Metal separator

Type: Compact – Digital2

SPECIFIC CHARACTERISTICS

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

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Type: 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.

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 abration and no need for maintenance.

TECHNICAL DATA

Type	**Compact 25**	**Compact 50**	**Compact 70**
Mechanical data			
Heigth	225 mm		
Sensor aperture	19 mm	45 mm	65 mm
Material-ejection unit	Aluminium		
Material-base frame	Aluminium		
Material-protection tube[2]	GF30		
Payload	max. 150 kg		
Weigth	~ 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 heigth of the bulk material	Use only for sagging material!		
Troughput[3]	450 l/h	2.000 l/h	5.400 l/h

Sensitivity[1]	**Compact 25**		**Compact 50**		**Compact 70**	
Material - Test piece[4]	FE	SS	FE	SS	FE	SS
Digital2	0,2	0,5	0,35	0,9	0,5	1,0

Ordering code: Electronic Digital2 type of separator Compact 25 – Compact 70 (e.g.: Digital2 Compact 50)

SPECIAL DESIGNS & ACCESSORIES

Designation	Order number
Pneumatic guard	When ordering please add option 45

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.
4) FE → Ferrous / SS → Stainless steel

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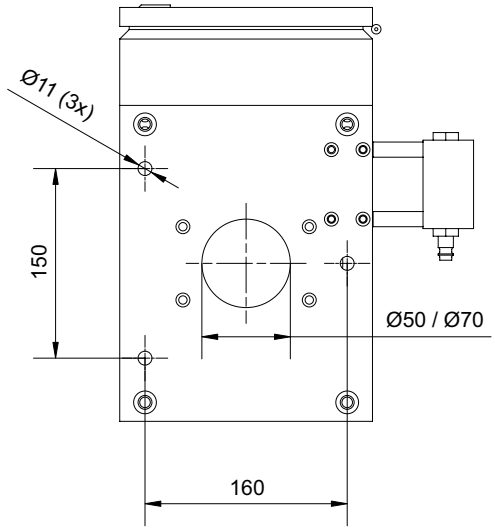
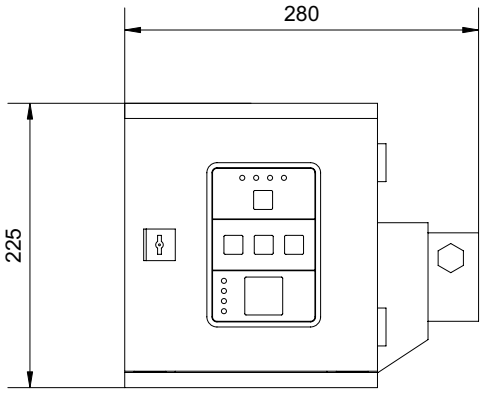
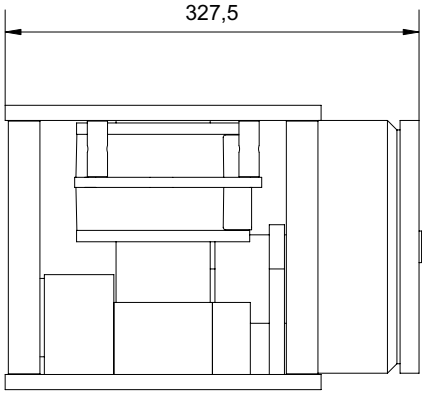
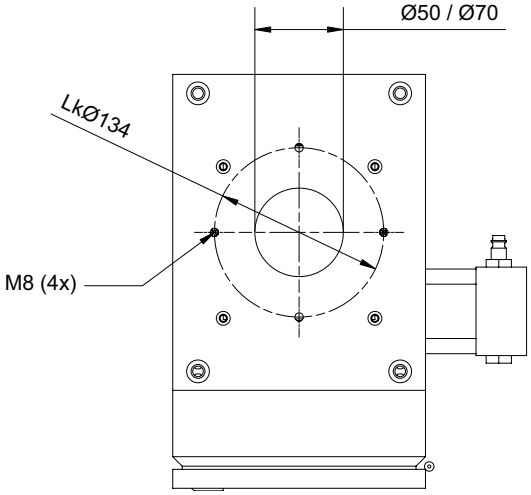
DIMENSIONS









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