

Metal separator

Type: Extraktor – M-Pulse2pro / Digital2 / MESEP



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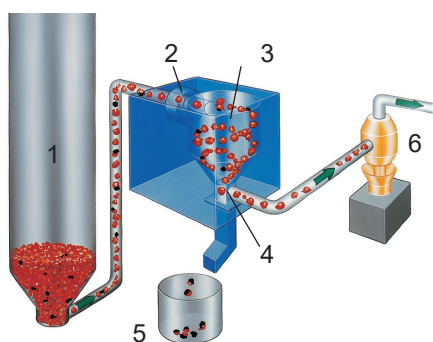
APPLICATION

These separators are used for different applications in the plastics industry. The Extraktor has been developed exclusively for the operation on suction conveyors. The entire path through

the Extraktor is completely air-proof. Thus for example injection moulding machines with automatic feeding via a suction conveyor can be protected efficiently. The device is available in

seven different connection types. Therefore the Extraktor can be operated with nearly each suction conveyor.

FUNCTION



1 - stock silo | 2 - sensor | 3 - cyclone
4 - separating filter | 5 - special outlet for metallic residua | 6 - suction conveyor

The suction conveyor sucks the material through the Extraktor. Thereby the material passes the sensor, streams afterwards through a cyclone and finally quits the device through a separating filter. If metal is detected, the filter opens and metal is led out. Simultaneously the sensor and the cyclone are blown out

with compressed air in order to eliminate potentially left metallic residua. After that the separating filter is closed and the feeding continues. This mechanism is fully independent of the stream velocity. The correct functioning of the mechanics can be checked at the push of a button.

TECHNICAL DATA

Type	38	45	50	55	60	65	70
Mechanical data							
Dimensions	L x W x D: 450 x 450 x 300 mm						
Outer diameter of the inlet and outlet nozzle	38 mm	45 mm	50 mm	55 mm	60 mm	65 mm	70 mm
Material ejection unit	stainless steel						
Material base frame	sheet steel						
Material protection tube ²	PU & phenolic resin						
Material gasket	Linatex						
Weight	~ 32 kg						
Conditions of use							
Storage temperature	-10°C – 60°C						
Operating temperature	0°C – 60°C						
Protection class	IP50						
Electrical connection	s. datasheet of the control unit						
Pneumatic connection	4 – 6 bar, filtered, water- & oilfree; self-sealing-coupling – fitting NW 7,2						
Troughput ³	600 l/h	1.000 l/h	1.300 l/h	1.700 l/h	2.200 l/h	2.700 l/h	3.300 l/h
Sensitivity ¹	35 – 50			55 – 70			
Material – test pieces	FE		SS		FE		SS
M-Pulse2pro	0,3 mm		0,9 mm		0,5 mm		1,0 mm
Digital2	0,35 mm		1,1 mm		0,6 mm		1,1 mm
MESEP	0,6 mm		1,2 mm		1,0 mm		1,5 mm

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 dimension 2 – 3 mm.

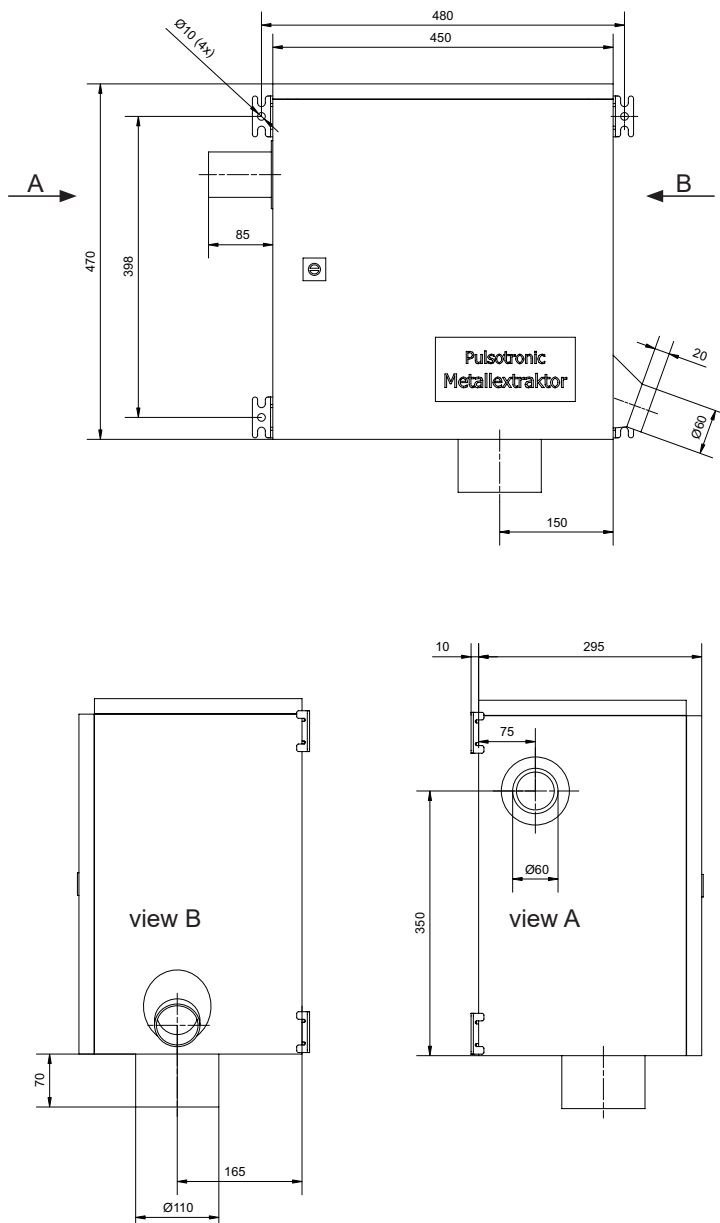
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SPECIAL DESIGNS & ACCESORIES

Designation	Order number
Pneumatic guard	when ordering please add option 45
Wear-resistant model (for very abrasive bulk material)	when ordering please add option 44
Pneumatic cooling	please specify when ordering
Version in stainless steel	please specify when ordering

Ordering code (Expl.): M-Pulse2pro (Elektronic) / Extraktor 50 (type of separator)

DIMENSIONS



Version: 2401eng | Typing and printing errors reserved. Subject to changes.