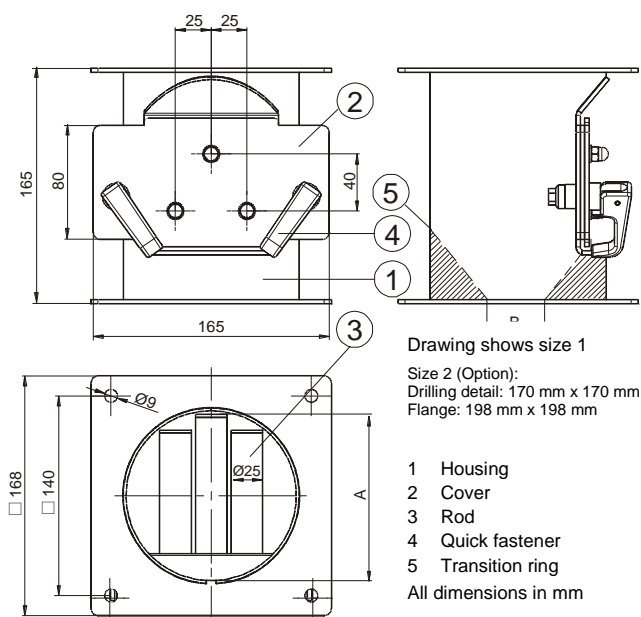


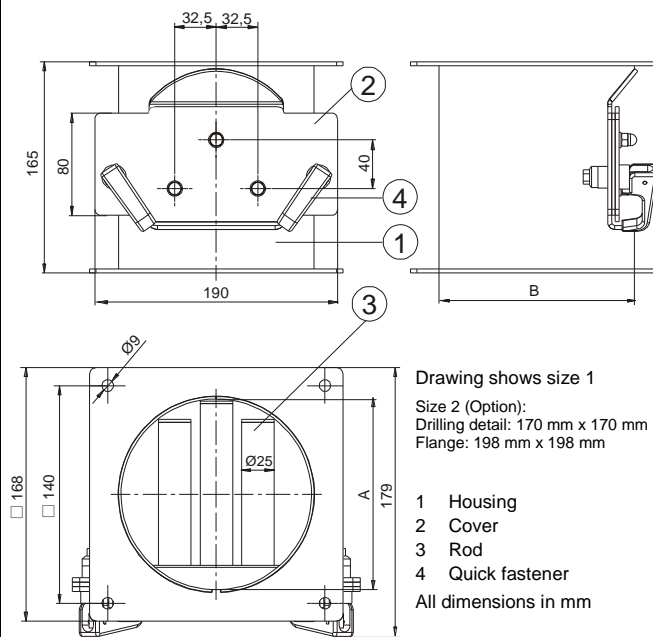
# Magnetic Separator EXTRACTOR ER

## ■ Dimensions EXTRACTOR ER-SE (square flange connection)

**EXTRACTOR ER-SE 40-120**



**EXTRACTOR ER-SE 150**



## ■ Technical data EXTRACTOR ER-SE

	mT *	Version	Type	Outlet diameter B						
				040	050	070	080	100	120	150
Neodymium N35	800	Size 1	ER-SE-	040	050	070	080	100	120	150
Inlet diameter A				120	120	120	120	120	120	150
No. of rods				3	3	3	3	3	3	3
Throughput** [l/h]				1200	2600	7100	9000	9300	9300	17000
Throughput*** [l/h]				850	1800	6000	6200	6400	6700	11500
With PP transition ring				✓	✓	✓	✓	✓	---	---
Weight [kg]				3.25	3.20	3.20	3.125	3.075	3.00	4.00

\* Millitesla: readings taken from outer tube surface: +/-5%; "1 gauss = 10<sup>-4</sup> Tesla"

All dimensions in mm

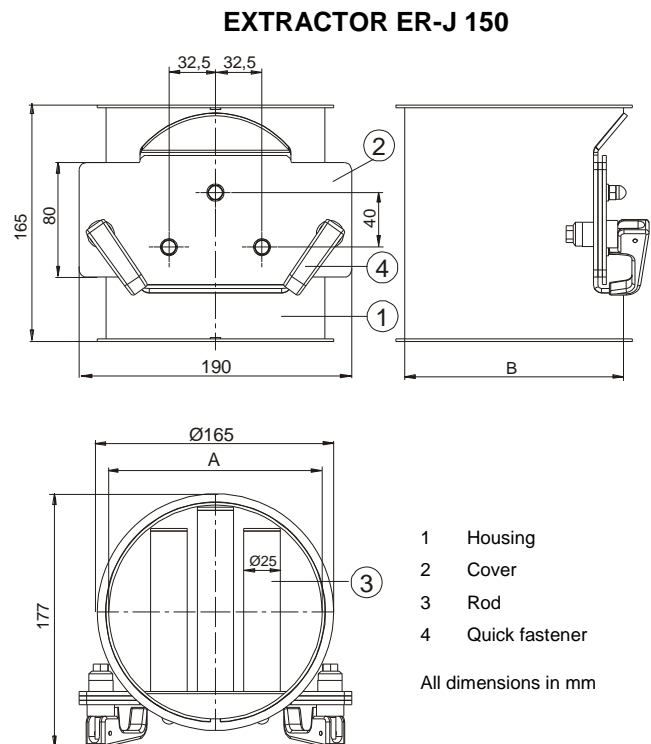
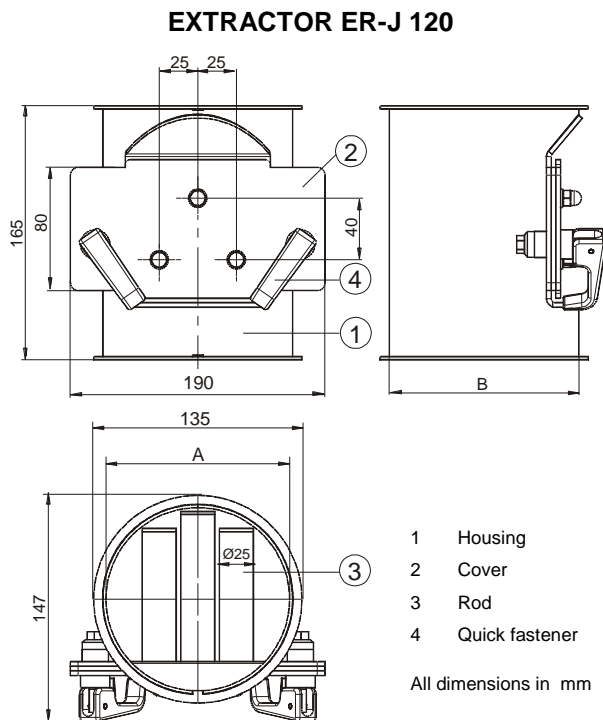
\*\* virgin material, good free flowing, material column with 500mm free fall height

\*\*\* regrind material, not good free flowing, material column with 500mm free fall height

Type designation: combination of "Type" and "Outlet diameter" (i.e. ER-SE-040)

# Magnetic Separator EXTRACTOR ER

## ■ Dimensions EXTRACTOR ER-J („Jacob’ connection)



## ■ Technical data EXTRACTOR ER-J

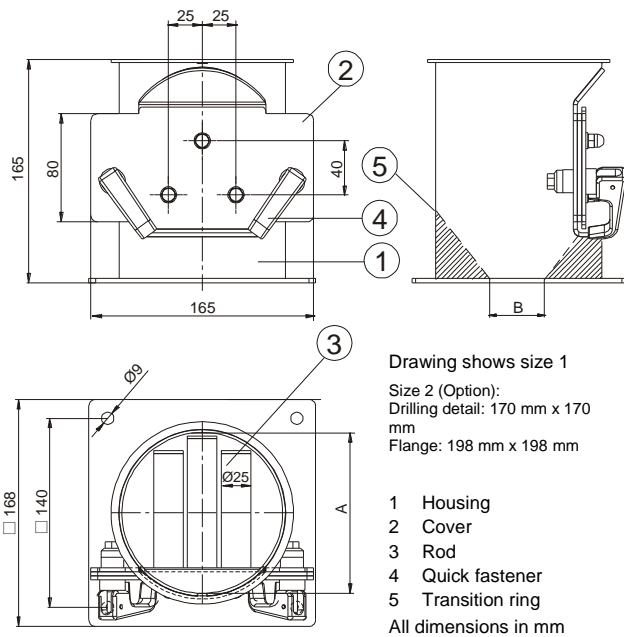
	mT <sup>*</sup>	Type	Outlet diameter B	
			120	150
Neodymium N35	800	ER-J-	120	150
Inlet diameter A			120	150
No. of rods			3	3
Throughput** [l/h]			11000	17000
Weight [kg]			3.00	4.00

\* Millitesla: readings taken from outer tube surface: +/-5%; "1 gauss = 10<sup>-4</sup> Tesla" All dimensions in mm  
 \*\*: depending on size and free flow characteristics of material  
 Type designation: combination of "Type" and "Outlet diameter" (i.e. ER-J-120)

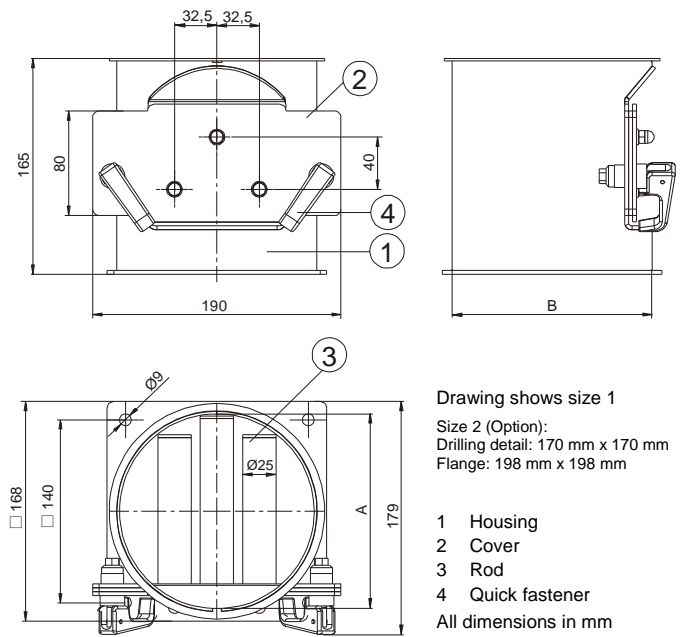
# Magnetic Separator EXTRACTOR ER

## ■ Dimensions EXTRACTOR ER-K (inlet ,Jacob' ~, outlet square flange connection)

**EXTRACTOR ER-K 40-120**



**EXTRACTOR ER-K 150**



## ■ Technical data EXTRACTOR ER-K

	mT*	Version	Type	Outlet diameter B						
				040	050	070	080	100	120	150
<b>Neodymium N35</b>	800	Size 1	ER-K-							
<b>Inlet diameter A</b>				120	120	120	120	120	120	150
<b>No. of rods</b>				3	3	3	3	3	3	3
<b>Throughput** [l/h]</b>				1200	2600	7100	9000	9300	9300	17000
<b>Throughput*** [l/h]</b>				850	1800	6000	6200	6400	6700	11500
<b>With PP transition ring</b>				✓	✓	✓	✓	✓	---	---
<b>Weight [kg]</b>				3.15	3.10	3.10	3.00	2.90	2.90	3.80

\* Millitesla readings taken from outer tube surface: +/-5%; "1 gauss = 10<sup>-4</sup> Tesla"

\*\*virgin material, good free flowing, material column with 500mm free fall height

\*\*\*: regrind material, not good free flowing, material column with 500mm free fall height

Type designation: combination of "Type" and "Outlet diameter" (i.e. ER-K-040)

All dimensions in mm

# Magnetic Separator EXTRACTOR ER

## ■ Conditions of use

<b>Use ER-SE:</b>	At the inlet of injection moulding machines, extruders and blow moulding machines.
<b>Use ER-J:</b>	In ‚Jacob‘ pipelines as well as after cyclones.
<b>Use ER-K:</b>	As a combination system together with metal separators type Rapid Vario.
<b>Bulk material characteristics:</b>	Dry, good free flowing characteristics, without long fibres, grain size 8 mm (for cubed product), 10 mm (for flaked product)
<b>Drop height of bulk material:</b>	<500 mm above equipment top edge
<b>Material flow:</b>	Slow flowing bulk material; or short free fall application (for starve-fed extruders or for combination installation together with metal separator Rapid Vario)
<b>Bulk material temperature:</b>	Max. +80°C (for higher temperatures please see special versions)
<b>Ambient temperature:</b>	-20° to +60°C

## ■ Scope of delivery / Standard design

<b>Scope of delivery:</b>	High intensity rare earth magnetic system in a wear resistant housing
<b>Housing material:</b>	Stainless steel 1.4301 (AISI 304), top load: 500 kg, side load: 500N
<b>Tube material:</b>	Stainless steel 1.4301 (AISI 304)
<b>Surface treatment:</b>	Housing: glass bead blasted; tube: polished
<b>Connection ER-SE:</b>	Drilling detail 140 x 140 mm; Ø9 mm (size 1)
<b>Connection ER-J:</b>	‚Jacob‘ connection
<b>Connection ER-K:</b>	Inlet: ‚Jacob‘ connection; outlet: drilling detail 140 x 140 mm; Ø9 mm (size 1)
<b>Magnetic material:</b>	Manufactured by using high intensity rare earth neodymium magnet material N35
<b>Magnet characteristics:</b>	Remanence Br: 1200 mT (max. 800 mT on the tube surface)
<b>Cleaning:</b>	EASY CLEAN facility: cleaning takes place by removing the magnets from the housing and pulling off the tubes from the magnetic cores → all attracted contaminants fall off the tubes and can be collected for analysis

## ■ Options / Accessories

- |  |   |
|--|---|
| <input type="checkbox"/> PP transition ring (outlet diameter according to clients specification) – only for ER-SE and ER-K | <input type="checkbox"/> Stainless steel slide gate, height 10 mm, weight 2.2 to 3.0 kg - only for ER-SE      |
| <input type="checkbox"/> Adapter plates – only for ER-SE and ER-K  | <input type="checkbox"/> ‚Jacob‘ cone piece (incl. Quick connect pull ring and seal) – only for ER-J and ER-K |
| <input type="checkbox"/> Drilling detail size 2: 170 mm x 170 mm - only for ER-SE and ER-K                                 | <input type="checkbox"/> Sight glass (polyamide, max. 100°C/212°F)  |

## ■ Special versions

- |   |   |
|---|---|
| <input type="checkbox"/> High temperature application   | <input type="checkbox"/> ATEX certified version (max. zone 20)              |
| <input type="checkbox"/> Samarium-Cobalt-magnet material  | <input type="checkbox"/> Low wear version for highly abrasive bulk material |
| <input type="checkbox"/> PTFE transition ring   | <input type="checkbox"/> Paint finish (RAL detail necessary)                |
| <input type="checkbox"/> Reinforced construction (for top loads up to 1500 kg) - only for ER-SE | <input type="checkbox"/> .....  |
| <input type="checkbox"/> Pneumatic drive (recommended for bad free flowing products)            |   |