



## Cascade magnets

SEK-P-1000-3-FN-DC-Ex

SKU: SRKP100035

## Product Features

<b>Description</b>	Cascade magnet
<b>SKU</b>	SRKP100035
<b>Product key</b>	SEK-P-1000-3-FN-DC-Ex
<b>Including</b>	Integrated valve box for Fe-parts disposal,Cleaning sequence control unit,Wear plate (first step)
<b>Number of steps</b>	3
<b>Max. particle size</b>	50 mm
<b>Min. Fe-particle size that can be caught</b>	0.5 mm
<b>Cleaning/Fe-particles disposal</b>	Automatic (production suspension required)
<b>Separation flap type</b>	Automatic during cleaning cycle
<b>Build-in length</b>	1165 mm
<b>Product inlet/outlet size</b>	1000x300 mm
<b>Fe-parts outlet size</b>	1000x200 mm
<b>Interface/connection dim's</b>	Flange (1086x386) x (1000x300) mm - 12xØ10 mm (product in-/outlet),Flange (1086x287) x (1000x200) x (400x140) mm - 10xØ10 mm (Fe-parts outlet)
<b>Max. capacity</b>	200 m³/h
<b>Materials - in contact with product</b>	AISI304 (SS 1.4301)
<b>Surface treatment/finishing</b>	Painted
<b>Welds</b>	WB: welded shut
<b>Colour</b>	Grey (Platinum grey): RAL7036 (frame/inspection hatch),Red (Traffic red): RAL3020 (magnets),Yellow (Zinc yellow): RAL1018 (safety guards magnets)

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<https://www.goudsmitmagnets.com/solutions/magnetic-filtering-separating/cascade-magnets.html?sku=SRKP100035>

<b>Max. operating / product temperature</b>	100 °C
<b>Min./max. ambient temperature</b>	-5 to 40 °C
<b>Dust/water protection class</b>	IP54
<b>Magnetic system</b>	Permanent plate magnet - extra strong
<b>Magnet dimensions</b>	990x202x83 mm
<b>No of magnets</b>	3
<b>Magnet quality</b>	Anisotropic ferrite GSFD-33, Br 4100 gauss (at 20 °C), Tmax. 225 °C (upper two stages), Neodymium GSN-38, Br 12,600 gauss (at 20 °C), Tmax. 80 °C (lowest stage)
<b>Magnet field strength (flux density) (±10%)</b>	2600 gauss
<b>Solenoid valve electric supply</b>	24 V DC
<b>Pneumatic supply</b>	Max. 6 bar
<b>Control</b>	Signal (minimal 15 sec) from control room
<b>Depth</b>	1205 mm
<b>Width</b>	1145 mm
<b>Height</b>	1165 mm
<b>Weight</b>	450 kg
<b>ATEX-Marking</b>	3Ex II 1/2D c T130 °C Da/Db: Suitable for dust zone 20 inside; outside for zone 21