



## Magnetic grids

SMR-N-D100x50-02E-S4-S

SKU: SEMR010078

## Product Features

<b>Description</b>	Magnetic grid
<b>SKU</b>	SEMR010078
<b>Product key</b>	SMR-N-D100x50-02E-S4-S
<b>Shape</b>	Round
<b>Size</b>	100 mm
<b>Max. particle size</b>	10 mm
<b>Min. Fe-particle size that can be caught</b>	30 µm
<b>Cleaning/Fe-particles disposal</b>	Manual quick cleaning by means of extractor tubes
<b>Interface/connection dim's</b>	Jacob connection DN100
<b>Materials - in contact with product</b>	AISI304 (SS 1.4301), AISI316 (SS 1.4401)
<b>Magnetic bar joint</b>	Extractor tubes vacuum brazed in grid
<b>Surface treatment/finishing</b>	S1: Grit blasted, Ra 3 µm
<b>Welds</b>	WE: product chute: completely welded - outside the product chute: intermittently welded
<b>Max. operating / product temperature</b>	60 °C
<b>Min./max. ambient temperature</b>	-20 to 60 °C
<b>Dust/water protection class</b>	IP67
<b>Magnetic system</b>	Magnetic bar in extractor tube
<b>Magnetic bar size</b>	Tube Ø25 mm; bar Ø23 mm
<b>No of bars</b>	2
<b>Magnet quality</b>	Neodymium GSN-42, Br 13,300 gauss (at 20 °C), Tmax. 80 °C

<b>Field strength (flux density) on magnetic bar (±10%)</b>	10700 gauss
<b>Field strength (flux density) on extractor tube (±10%)</b>	8000 (average value - see Documents tab for explanation) gauss
<b>Diameter</b>	115 mm
<b>Height</b>	50 mm
<b>Weight</b>	0.95 kg
<b>ATEX-Marking</b>	2Free of own ignition sources: suitable for application in ATEX dust zones 20, 21 and 22. Special conditions apply.