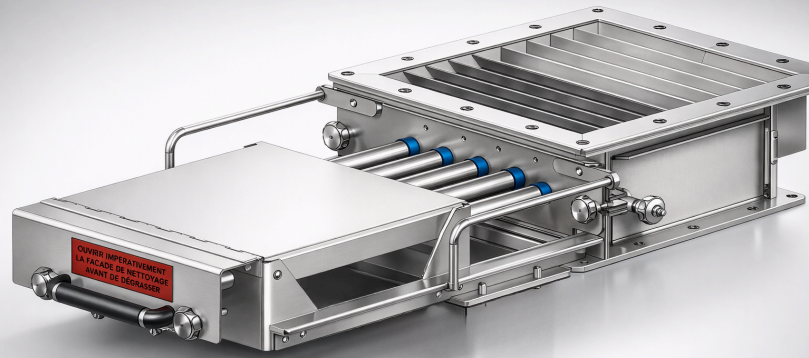


**SGCM**

# Magnetic separation to remove ferrous contaminants from bulk products

## GENERAL CHARACTERISTICS

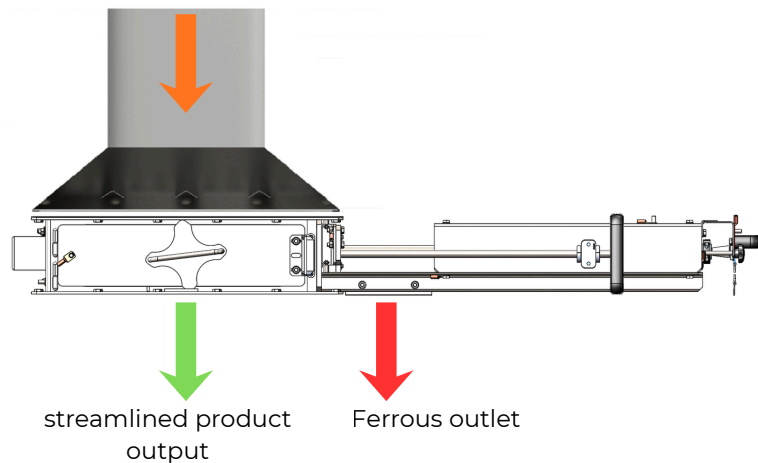
- The SGCM magnetic separator is designed to remove metallic particles from dry products with a particle size < 5 mm (powders, granules...).
- It is equipped with neodymium magnetic bars N40 (Br = 12900 Gauss) or N55 (Br = 15000 Gauss)
- The separator is made of 304L stainless steel
- Effortless manual cleaning
- Debris collection tray



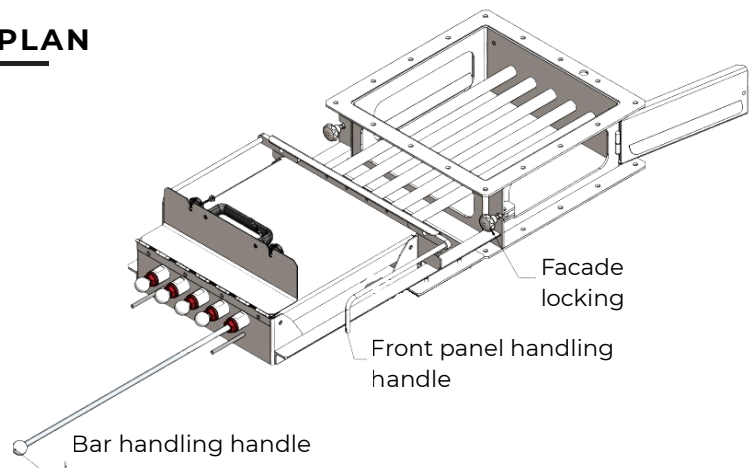
## OPERATING PRINCIPLE

- The product enters the separator through the top in free fall. It passes through the row of neodymium magnetic bars which attract and trap ferrous particles.
- During a production stoppage, the operator opens the front panel and then slides the magnets out. The metallic particles fall into a dedicated container.
- This method allows for efficient purification while maintaining process yield.

Contaminated product entry



## PLAN



## BENEFITS



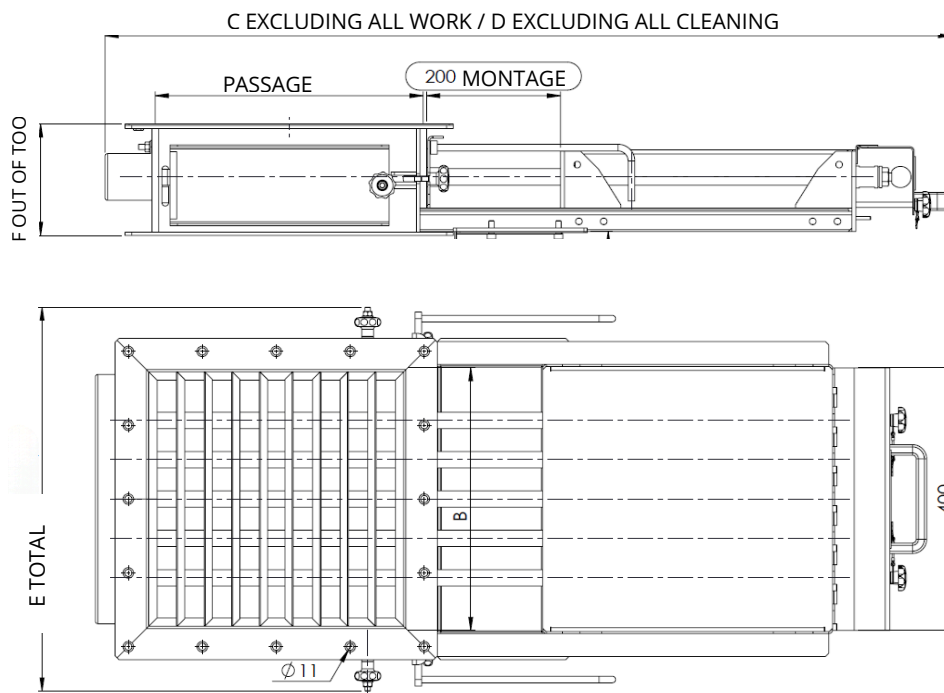
Effective removal of ferrous contaminants



Easy cleaning



Improvement of quality control



TYPE	A & B	C	D	E	F		QV (M3/H)	QM* (T/H)
					1 ROW	2 ROWS		
200	200	864	1294	385	167	374	20	16
250	250	964	1444	435			35	30
300	300	1079	1547	485			50	40
350	350	1164	1744	535			90	70
400	400	1264	1812	585			90	70
450	450	1364	2044	635			110	90
500	500	1464	2194	685			135	110
550	550	1564	2344	735			160	125
600	600	1664	2494	785			190	150

\*Qm = flow rate expressed in t/h for dry products with a density of 0.8 t/m<sup>3</sup> and a maximum particle size of 5 mm

### SERVICES



Industrial commissioning assistance



Spare parts inventory



Rapid intervention from customer service



Park monitoring and periodic checks

### OPTIONS & ACCESSORIES

- CCPU (subject certificate)
- High Temperature Magnets (150°C)
- Atex 22 Ex II 3D
- ANIA statement
- Recycling bin
- 1 or 2 rows of bars
- Neodymium version N55 at 9000 Gauss in contact with the product\* (T° < 60°C)
- 316L stainless steel casing

