

SGCP

Magnetic separation to remove ferrous contaminants from bulk products

GENERAL CHARACTERISTICS

- The SGCP magnetic separator is designed to remove metallic particles from dry products with a particle size of < 5 mm (powders, granules, etc.).
- It is equipped with two stages of neodymium magnetic bars in N40 (Br = 18,500 Gauss) or N55 (Br = 15,000 Gauss).
- The separator is made of pickled and passivated 304L stainless steel.
- Pneumatic cleaning system.
- Contaminant collection bin.

OPERATING PRINCIPLE

- The product enters from the top of the separator in free fall. It passes through two rows of high-power Neodymium magnetic bars that attract and trap ferrous particles.
- During a production stop, the operator opens the hatch and then activates a pneumatic circuit to trigger the automatic discharge of the metallic particles into a dedicated container.
- This operation ensures efficient purification while maintaining process throughput.

BENEFITS



Effective removal of ferrous contaminants



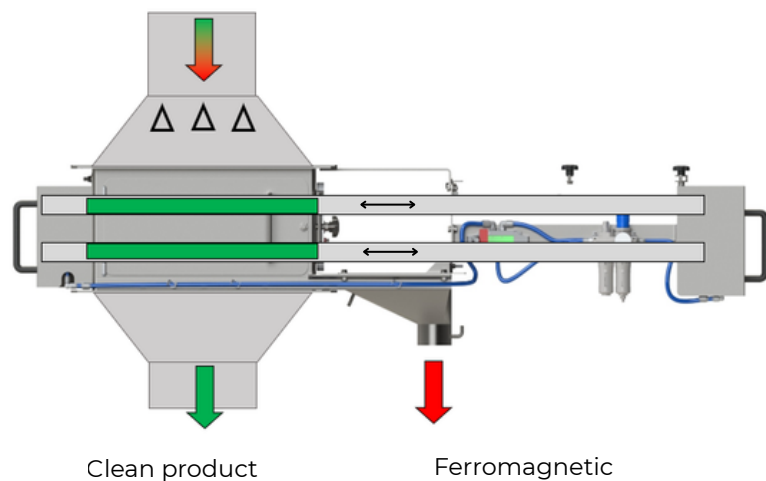
Time savings with semi-automatic cleaning

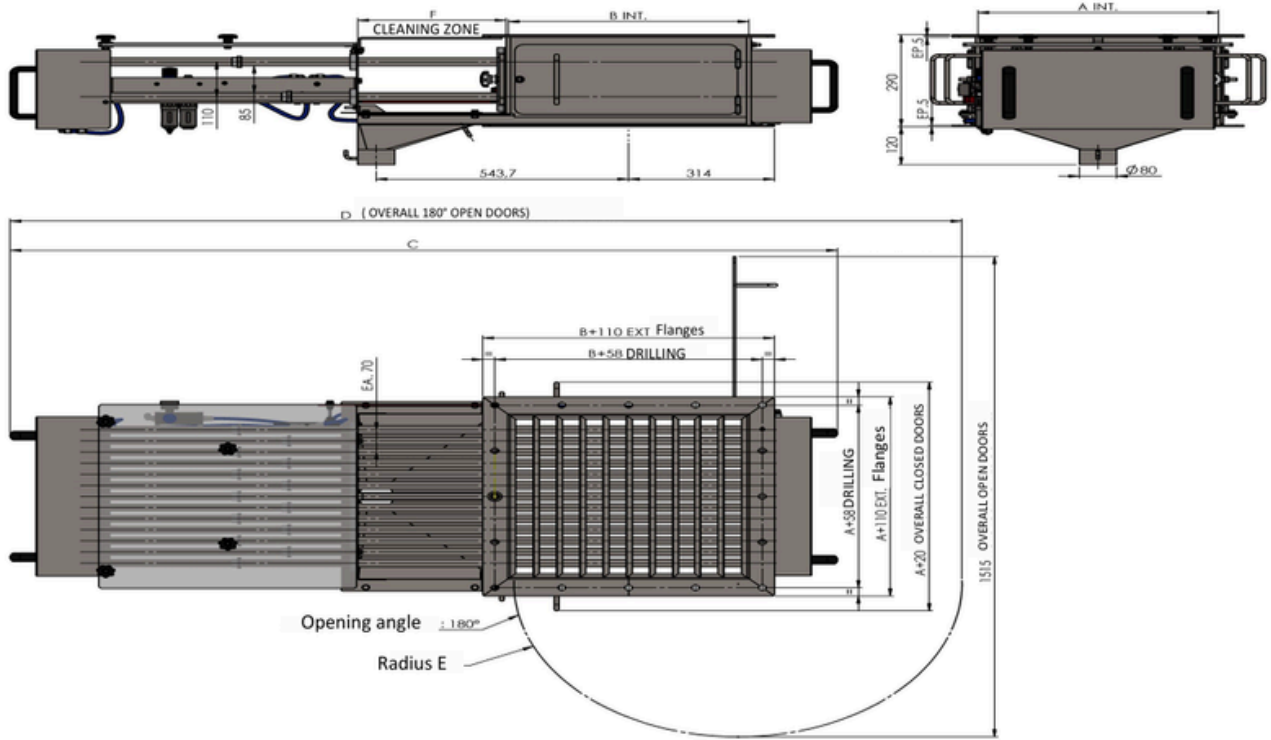


Improved quality control



Polluted product entry





TYPE	A & B	C	D	E	F	QV (M3/H)	QM* (T/H)
200	200	957	957	148	248	20	16
250	250	1107	1107	212		35	30
300	300	1233	1281	262		50	40
350	350	1359	1450	312		90	70
400	400	1485	1633	362		90	70
450	450	1611	1809	412		110	90
500	500	1737	1985	462		135	110
550	550	1863	2283	512		160	125
600	600	1989	2631	562	190	150	

*Qm = flow rate expressed in t/h for dry products with a density of 0.8 t/m³ 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

- CPU (material certificate)
- High Temperature Magnets (150°C)
- Atex 22 Ex II 3D
- ANIA declaration
- Collection container
- 316L stainless steel casing
- Neodymium version N55 at 9000 Gauss in contact with the product* (T°<60°C)
- Neodymium N40 version at 7000 Gauss in contact with the product* (T°<80°C)

