



Latest Innovations

Innovative solutions developed
across all areas of technology.

Product Catalogue

Rotary Airlock Valve

SE-AC-25-21
SE-AC-25-27
SE-AC-25-33

Technological Advantages

Across All Markets and Sectors

SE-AC ROTARY AIRLOCK VALVE- APPLICATION OVERVIEW

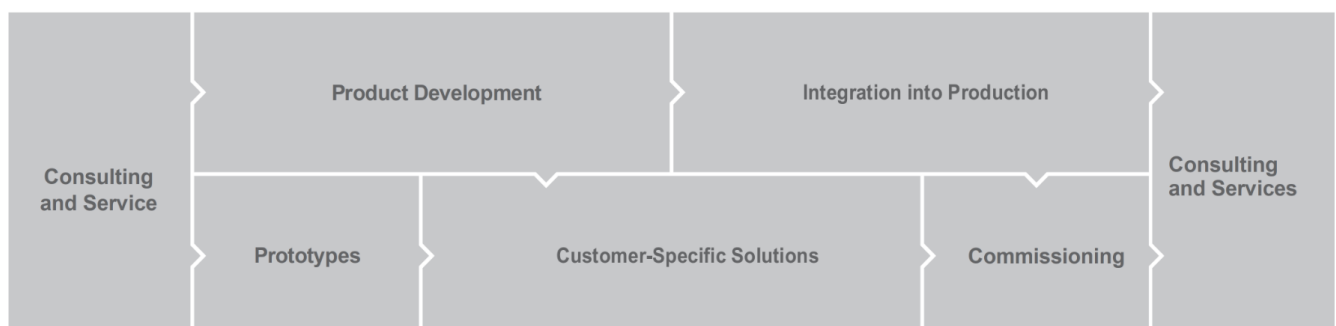
The ROTARY AIRLOCK VALVE is a high-performance material handling component designed to ensure controlled, continuous, and air-tight discharge of bulk materials in industrial processing systems. It is widely used in pneumatic conveying lines, dust collection systems, and gravity-fed applications where precise material flow and pressure balance are critical. Operating with a rotating rotor mechanism housed inside a precision-machined casing, the Rotary Airlock Valve allows material to pass through while preventing air leakage between different pressure zones. This function is essential for maintaining system efficiency, stabilizing airflow, and minimizing product loss. The evenly spaced rotor pockets ensure uniform discharge and smooth material transfer without clogging or flow interruption. Engineered for durability and long-term operation, the machine is manufactured from heavy-duty steel or heat-treated cast components, with CNC-machined tolerances for optimal sealing. The valve can be supplied with a direct-coupled or geared motor drive, providing stable rotation and reliable performance under continuous load. Sealed bearings and robust shaft design reduce maintenance requirements and extend service life. The ROTARY AIRLOCK VALVE is extensively used in flour mills, semolina plants, corn flour mills, whole wheat flour mills, feed factories, pasta production lines, cement plants, recycling facilities, wood and furniture factories, and dust collection systems. By ensuring controlled material discharge and preventing air leakage, it enhances system efficiency, protects downstream equipment, and supports clean, stable, and uninterrupted industrial operation.

FEATURES & ADVANTAGES

- ▶ Provides continuous and controlled material discharge
- ▶ Maintains airtight sealing between process zones
- ▶ Prevents air leakage and pressure loss in systems
- ▶ Heavy-duty construction for long service life
- ▶ Ensures stable and efficient downstream operation
- ▶ Reduces dust emission during material transfer
- ▶ Suitable for continuous industrial operation
- ▶ Easy integration with conveyors and pipelines
- ▶ Low maintenance requirement and simple servicing

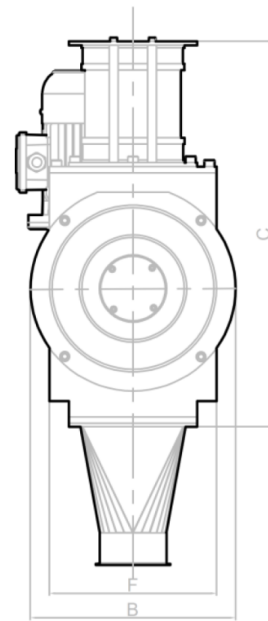
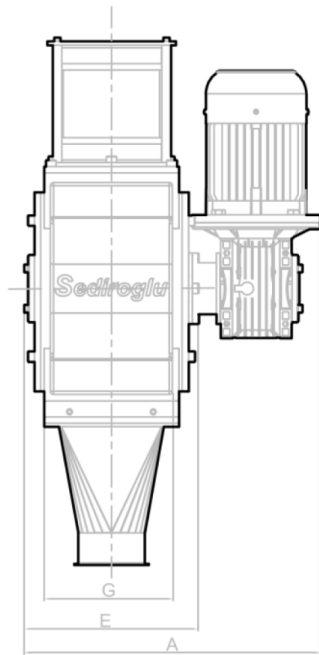
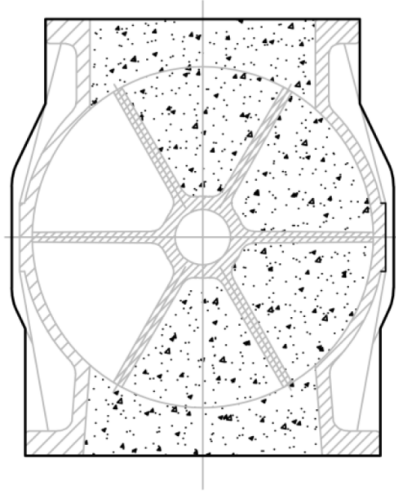
APPLICATION FIELDS

- ▶ Flour mills and wheat flour production plants
- ▶ Semolina processing and durum wheat mills
- ▶ Corn flour and maize processing plants
- ▶ Whole wheat flour and specialty grain mills
- ▶ Feed mills and animal feed production facilities
- ▶ Pasta and macaroni factories
- ▶ Bread crumb (galeta) production lines
- ▶ Dust collection and pneumatic conveying systems
- ▶ Cement plants and mineral processing facilities
- ▶ Recycling and waste handling plants
- ▶ Wood, timber, and furniture manufacturing factories
- ▶ Plastic, chemical, and bulk powder processing plants



Technical Table

Rotary Airlock Valve



MODEL MODELE	DIMENSIONS mm.						TECHNICAL FEATURES CARACTERISTIQUES TECHNIQUES					
	A	B	C	E	F	G	Capacity (t/h)			Weights - Poids Kg		Volume sous Gross volume emballage m³
							Wheat	Flour	Bran	Net	Gross-Brut	
SE-AC-25/21	468	280	520	275	260	210	8,2	5,8	3,2	56,5	81	0,1
SE-AC-25/27	530			337		272	10,5	7,5	4,1	61	88	
SE-AC-25/33	590			398		333	13,2	9,4	5,2	75.5	104	

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DISCOVER MORE ABOUT THIS PRODUCT

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