

KONE Roll Clean high-speed door

FOR RELIABLE, HYGIENIC GOODS FLOW IN CLEANROOM ENVIRONMENTS

KONE Roll Clean is a highly efficient, compact roll-door solution for cleanroom applications. Its fast, smooth operation ensures short exposure times, while the perfect sealing and gapless frame provide the highest level of contamination prevention.

Hygienic and efficient

KONE Roll Clean is designed specifically for hygiene-critical environments such as commercial laboratory cleanrooms and food processing facilities. Our eco-efficient motor ensures that the door opens and closes quickly for minimal exposure times, while the perfect airtight sealing and gapless frame prevent contamination when the door is closed. Both the frame and curtain are designed for easy cleaning.

Maximum safety

KONE Roll Clean includes an anti-crash breakaway curtain with automatic reinsertion for maximum safety and minimum downtime. To prevent personal injury or damage to vehicles, in the event of a collision the curtain breaks away from the flexible guides and reinserts itself automatically for a quick return to normal operation.

Key benefits

- Fast, smooth operation for short exposure times
- Perfect sealing and gapless frame for the highest level of contamination prevention
- Designed for easy cleaning
- Soft PVC bottom-edge ensures tight seal with floor for maximum insulation
- Anti-crash breakaway curtain with automatic reinsertion
- Self-supporting galvanized steel frame with polyester powder-coated finish
- EN 13241-1 compliant

Standards compliance

	Standard	Result
Wind load	EN 12424	Class 2
Wind permeability	EN 12426	Class 1
Water permeability	EN 12425	PND
Thermal resistance	EN 12428	5.7
Mechanical resistance	EN 12604	Conformed
Safe openings	EN 12453	1 million



Product info

Technical specifications

Application	Internal door
Max. dimensions (H x W)	4000 x 4000 mm
Max. door area (H x W)	4410 x 4350 mm
Opening/closing speed	opening speed 0.5–1.0 m/s standard, 1.5 m/s optional (adjustable with frequency converter); closing speed 0.5 m/s
Operating temperature	+1 to +70 °C

Body structure (frame)

Side frames and cover	galvanized, powder-coated, or stainless steel
Top roll	galvanized, powder-coated, or stainless steel
Top roll cover	galvanized, powder-coated, or stainless steel
Motor cover	galvanized, powder-coated, or stainless steel

Curtain

Material	100% PVC-coated polyester
Bottom profile	soft PVC bottom edge
Colors	see Curtain color options to the right
Tracking system	roll-up
Thermal insulation	5 watts/m ² /°C
Flammability	varies according to door dimensions
Seals	airtight seals between curtain, frame, and hood; airtight seals between frame and opening structure

Motor	dual-speed 0.75–1.1 kW
Control unit	independent from motor or integrated
Power supply frequency	3-phase 240 V or 400 V with ground
Protection class	IP55, optional IP65 protection available

Opening and closing controls

Manual	push-button, pull-cord switch, 3-button control box
Automatic	induction-loop detector, hand-held radio, radar, photocells

Safety

Electrical safety edge	safety bottom edge
Inline photocells	1 horizontal row
Flashing alarm light	included as standard

Optional features

Interlock
Adjustable opening height
Semi-automatic mode
Full manual mode
Red traffic-light system
Audible alarm
Power-failure release: hand crank & UPS battery back-up system
Stainless-steel control box
ATEX compliance
Company logo or images on curtain

Curtain color options (RAL)

		
9016	5015	1003
		
3002	6026	5002
		
1015	7038	9005

Visibility options

