

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.

| 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 |

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



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/m²/°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 |

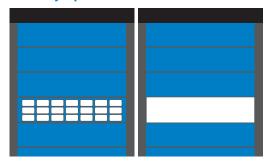
Optional features

| 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



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