

When performance matters, KINVAR delivers

### PRODUCT OVERVIEW

KINVAR RS Series is a high-performance zipper self-repair rapid door engineered for environments requiring airtight sealing, hygiene control, and continuous operation. The zipper-guided curtain system allows automatic reinsertion after impact, minimizing downtime and maintenance.



### APPLICATION AREAS

Sector	Use Case
Cleanrooms	Contamination control
Food Processing	Hygienic separation
Pharmaceutical	Controlled production
Logistics	High-speed operations
Cold Chain	Temperature control

### WINDOW OPTIONS

Window Type	Size Options	Description
Rectangular	300x600 mm	Standard view
Full strip	Custom	Wide visibility
Transparent	Custom	Reinforced clear PVC

### OPTIONS AND ACCESSORIES

Category	Options
Control	Push button, remote, radar, loop
Safety	Light curtain, extra photocell
Curtain	Food grade, anti-static
Frame	Stainless steel
Automation	Interlock, PLC, BMS
Power	UPS backup

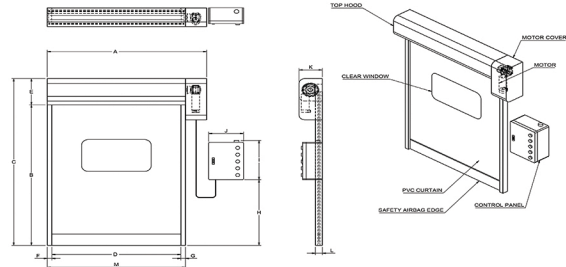
### AVAILABLE COLORS (RAL STANDARD)

Blue	RAL 5005
White	RAL 9016
Grey	RAL 7035
Red	RAL 3002
Yellow	RAL 1023

### INSTALLATION REQUIREMENTS

Parameter	Requirement
Mounting	Face mount
Headroom	600 mm
Side clearance	300 mm
Power	Dedicated supply

### DIMENSION DIAGRAM



### KEY FEATURES

- Self-repairing zipper curtain system
- High airtight sealing performance
- Servo motor with direct drive system
- Low noise operation <65 dB
- Hygienic design for controlled environments
- Up to 1200 cycles per day
- Automatic curtain reinsertion after impact

### TECHNICAL SPECIFICATIONS

Parameter	Specification
Opening Size Range	2000 to 4000 mm
Standard Sizes	2000, 2500, 3000, 3500, 4000 mm
Opening Speed	0.8 to 1.5 m/s
Closing Speed	0.6 to 1.2 m/s
Wind Resistance	Class 2 to Class 3
Curtain	PVC zipper curtain, 0.8 to 1.2 mm
Frame	Galvanized steel or 304 stainless steel, 2.0 mm
Motor	Servo motor, 0.75 to 1.5 kW
Drive System	Direct drive
Power Supply	220V or 380V
Control	Intelligent control panel
Safety	Photocell, safety edge
Sealing	Full perimeter zipper seal
Air Tightness	High
Duty Cycle	Up to 1200 cycles/day
Noise Level	<65 dB
Protection	IP54
Operating Life	1,000,000 cycles

### COLOR CHAT



### COMPLIANCE AND STANDARDS

Standard	Details
CE	European conformity
EN 13241	Door safety
IEC	Electrical compliance

### SERVICE AND MAINTENANCE

- Designed for low maintenance operation
- Modular components for quick replacement
- Remote troubleshooting capability (optional)
- Recommended periodic inspection every 6 months

### WARRANTY AND SUPPORT

- Designed for low maintenance operation
- Modular components for quick replacement
- Remote troubleshooting capability (optional)
- Recommended periodic inspection every 6 months

Designed for high reliability under continuous industrial use. Optimized for performance and operational efficiency. System architecture supports future upgrades. Reliability under pressure. Safety is integrated into design. Support is part of the system. Systems prove value in operation.