

# VR Door

## Technical Specifications



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Advice Line 0800 072 3444

# VR Door



For further information about this product please call the HAG advice line on 0800 072 3444 or email [info@hag.co.uk](mailto:info@hag.co.uk)



## Product Overview

### Description

High Speed Vertical Rolling PVC Door

### Common use

Temperature loss in industrial premises costs businesses thousands of pounds a year, ensuring air leakage is reduced to a minimum is extremely important. The VR Speed Door allows quick entry and exit in a safe and controlled manner. Its light weight and flexible curtain creates an insulated barrier that is also extremely hard wearing and is temperature tested to -30oc to + 70oc and a thermal conductivity of 0.045w / M2Co

The VR rapid roll door is commonly used in Food and beverage premises, refrigeration rooms, transport logistics premises, vehicle manufactures, conveyor belts, pharmaceuticals industry, paint rooms, waste sorting, car washes, warehouses and ship yards.

The VR Door is a vertically rolling speed door that most suited to indoor applications with light air pressure however due to its wide range of operational extra adaptations to other environments are possible.

### Maximum Size

8000mm x 6250mm

### Temperature Resistance

-30°C to +70°C

Thermal conductivity 0.045 W / M2o

### Wind resistance

Available up to Class 3

Standard Class 0. Doors over 4000mm x 4000mm

Class 1 Doors up to 4000mm x 4000mm

### Weight

Canvas 950 gr M2

### Curtain

The curtain is a toughed PVC compound that is highly resistant to wearing and tearing. It is reinforced with cross bars connected through high frequency welds to ensure a uniform bond. Resistance to tearing 70/55 daN. Resistance to breaking 420/400 DaN DIN 53354 – ISO 1421

### Curtain Finish

HAG std colours. RAL1018 Zink Yellow – RAL2004 Pure Orange – RAL3002 Carmine Red – RAL5010 Gentian Blue – RAL7038 Agate Grey. Canvas – Red Ral 3002, Yellow Ral 1003, Green Ral 6026, Blue Europa 95, Anthracite Ral 7016, Window Grey Ral 7040, White Ral 9003, Ivory Ral 1014, Orange Ral 2004, Vermilion Ral 2002, Black 9005, Brown Ral 8016, Grey 9006. All to M2 self extinguishing fire resistance.

### Opening Speed

Up to 3 m /sec

slowdown in opening up: 0.8m / s

Closing: 0.8m / s

## Product Overview

### Door Frame

A reinforced self bearing galvanised steel frame that supports a steel shaft housing aluminum bearings and drums. The frame connects to the curtain through traction ribbons and brackets.

All sides are protected by nylon brushes to avoid scratches on canvas when running.

### Operation

Single phase electric irreversible geared motor used in conjunction with a heavy duty electric brake and limit switches to allow quick and accurate stopping of the door. The power of the motor will vary dependent on the size and specification of the door. In the event of power loss there is a manual operation through either chain or hand crank. Control Panel with open/close/stop push buttons with a built in timer, that can be linked to several control devices such as photocells, switches remotes etc.

### Safety

A Integrated self monitoring safety light grille in the closing zone to a max monitoring height of 2500mm is fitted as standard. This provides non contact safety within the closing zone and renders a safety edge redundant. All speed doors are equipped with a safety device on its leading edge to prevent closing on a person / obstruction and will not make a force on closing greater then 400N. When obstructed, it will reverse operation to allow safe passage. A photo cell transceiver emits an infrared light beam across the door entrance to detect moving people or objects and will stop the door from closing if the beam is crossed or reverse operation if in closing operation. Operation warning lights operated two seconds prior to opening or closing.

### Optional Extras

- Self correcting curtain safety mechanism
- Vision Panels
- Control box with operating buttons
- Bottom of curtain painted diagonal Yellow and Black
- Opening photocells
- Supports for photocells (aluminium posts)
- Radar
- Receiver for remote controls
- Two channels remote control
- Four channels remote control
- Amplifier for induction loops
- Induction loops
- Pull cord switch
- Key switch
- Antenna
- Frame in stainless steel
- Door Frame Polyester powder coated

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Product specification may change and it is advisable to consult with HAG technical advisors before specifying or ordering. HAG operates a policy of continuous improvement.

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