



Gunnebo PasSec

Automated Anti-Return Gate

The Gunnebo PasSec is a solution for preventing travellers returning back into secure or sensitive environments.

Located ideally after Immigration control but before baggage reclaim to prevent passengers collecting luggage and inadvertently attempting to return back to airside, or after customs but before the open landside area to prevent unauthorised access to the baggage claim and any secondary exit duty free areas by the general public.

The PasSec is available in two different standard models offering a single door and a high security version offering many additional security features.

Utilising different detection technologies, the anti-return

solution monitors the free passage travel in one direction tracking the occupants through the monitored corridor until they exit. As soon as any wrong way passage is detected this will be identified and the system will automatically close and lock the doors plus generate an alarm both locally and remotely to notify security or CCTV surveillance.

Passage is free and simple, as there is no need for the passenger to present any clearance documentation for the doors to open. Control is also simple either locally should security need to be in attendance, or remotely to minimise staffing levels.

Technical Specifications

Drive

High reliability DC motor 5 speed settings

Materials

- Casework: Mild steel and aluminium painted RAL9006
- Moving panels: 12mm frameless and structural toughened glass
- Side panels: 10mm toughened glass infill (laminated option available)

Operational Modes

Entry: Free

By key selector, the PasSec can be operated in four modes:

- **Automatic:** Unidirectional in the exit direction only
- **Interlocking:** Unidirectional controlled passage (HSW)
- **Maintenance:** No control in either direction
- **Locked:** Walkway closed and locked

By means of remote inputs, it is possible to select automatic, interlocked and locked modes, as well as operate both entry and exit doors.

Passage Sensors

Different sensors analyse the movement of passengers, detect the direction, position of travel and activate the doors accordingly. Should passage in the reverse direction be detected, the sensors will instruct the doors to close and trigger an alarm. Sensors detect left luggage.

Controlling Unit

Gunnebo NEP controller 24Vdc

User Interface

- 7 relays with different sets of status flags
- 8 inputs, to control by remote the operating mode: RS485, RS232 (only for debug)
- Local and remote diagnostic alarm display facilities
- Adjustable parameter control via User Interface, i.e. speed timeouts, etc.

Alarm Conditions

Alarm triggered in case of door obstruction, wrong way usage, and system diagnostic failure.

Technical Data

Power Supply	115/230Vac 50/60Hz
Power Rating	600VA peak / 100VA standby
Operating temperature	5°C to 45°C 95% RH non-condensing
Flow Rates	50 to 100 passages per minute depending upon passenger speed of travel

Features

- 650 and 950mm clear walkways to comply with disability legislation
- Free passage, in transit anti-return, wrong way detection and left item detection (depending upon model chosen)
- Interlock function (HSW only)
- Stainless steel and other finish options
- Fail lock or fail safe configuration (factory set up)
- Local and remote control override
- Traveller status light indicators
- Audio synthesizer for alarms and prerecorded messages

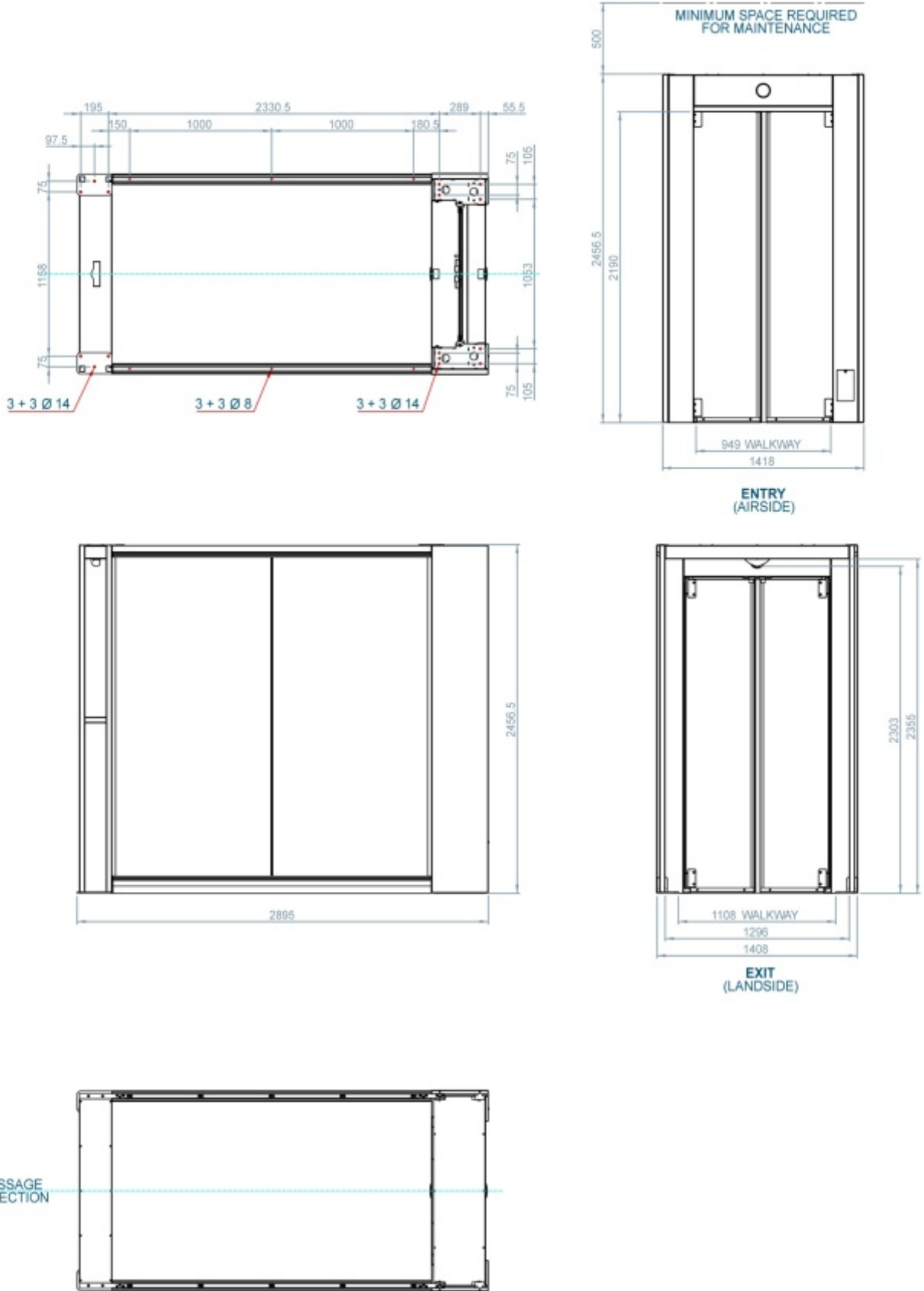
Benefits

- Reduction in staffing costs
- Superior anti-return detection
- Left luggage detection (HSW)
- Unobtrusive design combined with highly glazed aesthetic
- High visibility of traveller progress

Applications

- Airports
- Seaports
- Museums

Site Preparation



Please note: this is an example of one possible implementation. Some dimensions can vary according to requirements.

Concrete Base to specification at least (cube) 300N/mm² of resistance. Base to be flat and level to +/- 5mm over footprint area.

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International Standards

CE Compliance meeting the following directives:

- 2006/42/EC Machine Directive
- 2014/35/EU Low Voltage Directive
- 2014/30/EU EMC Directive

Norms

- EN 61000-6-3 (2007) Electromagnetic Compatibility – generic standard, emissions
- EN 61000-6-2 (2007) Electromagnetic Compatibility – generic standard, immunity
- EN60335-1 (2012) + EN60335-1/A11 (2014) Household and similar electrical appliances. Safety. General requirements
- EN16005 Power operated pedestrian doorsets – Safety in use – Requirements and test methods
- Safety system ISO EN13849 performance level C

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