

RAPID DOOR

ZipGO Clean Room

For clean rooms and sterile environments



ZipGO Clean Room

Airtight, quiet, hygienic.

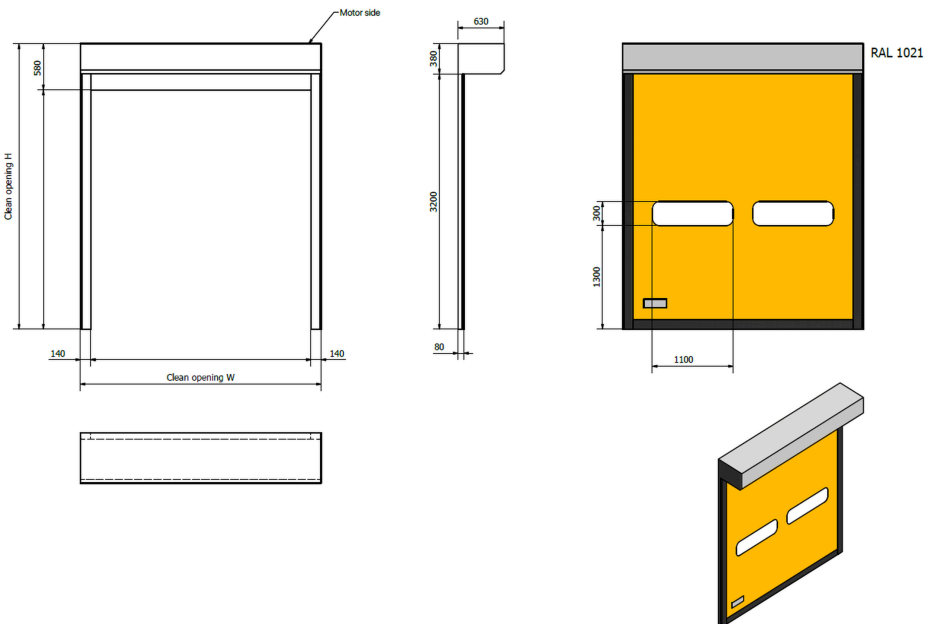
Air permeability › Up to Class 4

Structure › AISI 304/316 stainless steel

The ZipGO Clean Room rapid door was developed to meet the specific needs of companies working in sterile environments: it keeps pressure stable and ensures the highest level of asepsis inside the room.

Technical drawing

DWG files free to download in your GLG area





Main features

Low permeability

With a very low air permeability index we can attest that this rapid door is able to limit the passage of air in the closed condition.

Hermetic

This model is intentionally non self-repairing: the reduced-section PE HD 1000 polyethylene uprights are shaped to ensure maximum airtightness, eliminating any leakage path. The polyethylene is suitable for food compatibility, guaranteeing safety and reliability.

For cleanrooms

Roll-up door for sterile environments where maximum tightness and silence is required.

ZipGO **Clean Room** is a high speed door that has been developed to meet the needs of transit between/and for sterile environments, where required, by regulation and/or logistical need, the most total preservation of the clean room air.

So, who's it meant for?

ZipGO **Clean Room** is a high speed door optimized for the operation of all those environments that need to work in conditions of extreme cleanliness, if not maximum asepticity.

Features

Airtight
Quiet
Hygienic
Easy to clean

Used mainly for

Hospital clean rooms
Pharmaceutical
companies
Rooms for intensive care
Cleanrooms

Recommended
for

Cosmetic and herbal
companies
Biological laboratories
Design studies

The ZipGO Clean Room roll-up door is the professional solution able to operate easily in medical laboratories where there is a request to maintain high hygiene and pressure, in order to work with ventilation parameters and sanitization controlled.

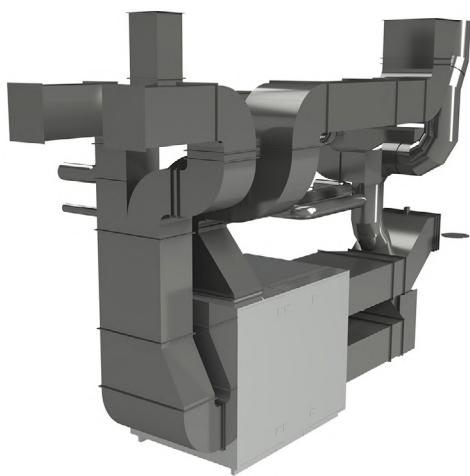
Class 4

Air permeability according to EN
12426 / EN 12427

**Designed to keep
pressure stable,
Clean Room is
ready for
anything.**

**So? It's
airtight.**

ZipGO Clean Room is a rapid door able to work in environments where the pressure exerts strong compression and/or decompression forces during the working cycles of the room, without allowing high air permeability. Its structure is designed to limit air passages, so it resists air exchanges when closed.



Clean Room rapid doors are able to isolate sterile environments as much as possible, allowing the installation, never under or oversized, of all machinery for the management of ventilation, sanitization and air purification.

Silent

The Clean Room rapid door works quietly thanks to its integrated gearmotor with absolute encoder and a mechanism designed to minimise the rustle of hinges, guides and roller during operation.

To reduce noise further, an optional sound-absorbing curtain is available, with an average noise reduction of -17.5 dB over the 100-3150 Hz spectrum.

**Low permeability.
Less air exchange.
Maximum hygiene.**

Easy to sanitize.

The Clean Room has been developed specifically to allow the easiest maintenance over time by customers, considering the continuous necessity or the need to keep it in a state of high cleanliness.

Hygienic and functional structure

Top head section: stainless steel structure housing the motor inside, protecting it from contamination.

Bottom closure: aluminium bar at the bottom of the curtain, for improved air tightness.

ZipGO Clean Room

Data sheet

Structure	AISI 304/316 stainless steel Motor enclosed in the header PE HD 1000 polyethylene uprights According to EC Reg. 1935/2004, EC Reg. 2023/2006, EU Reg. 10/2011; on request FDA 21 CFR 177 FDA 21 CFR 178.3297 For food compatibility Optional Header with sloped top for easier washing
Clear opening dimensions	3000 mm x H 3000 mm Larger dimensions available on request
Opening speed	Up to 2.2 m/s, adjustable and programmable with inverter
Closing speed	Up to 0.8 m/s, adjustable and programmable with inverter
Covering	Sealing and side-hinged sliding system without stiffening tubes Standard row of transparent PVC vision panels PVC 900 g/m² — antistatic UV resistance: yes Mold-resistant: yes Light transmittance according to ISO 13468: 5% Aluminium bottom bar for improved air tightness Optional Curtain fire-rated BS2d0 according to EN 13501-1 or Class 1 according to UNI 9177 Insulating polyester curtain, 3.5 mm thick Sound-absorbing curtain, average noise reduction over the 100-3150 Hz spectrum: -17.5 dB Curtain suitable for use in food environments according to EU Reg. 852/2004 Customised windows Customised logo
Motor	Power supply 400 Vac Power from 1 kW to 2.2 kW Integrated gearmotor, absolute encoder Pre-wired with connectors Operating temperature -5°C to +60°C, down to -30°C with sensor-controlled heaters IP54 Optional Anti-corrosion treatment

ZipGO Clean Room

Data sheet

Control and programming panel	Power supply 230 Vac for drives from 0.75 kW to 2.2 kW Open/stop/close push-button panel Pre-wired with connectors Programmable inputs and outputs Inputs certified to EN ISO 13849-1 and EN 62061 4 operating modes Expansion and auxiliary boards with 6 programmable inputs / 6 outputs Alphanumeric display with door status / signal codes / error codes Available enclosures: plastic IP54, plastic IP65 with disconnect switch and DIN rail, metal Operating temperature -20°C to +50°C
Safety devices	Light curtains H 2000-2500 mm, 10 m range, SIL 2, IP67, operating temperature -40°C to +60°C Single / double pair of ESPE type 2 PL-C photocells, 20 m range, CE UL325 approved, UL508, IP67, operating temperature -20°C to +50°C Safety edge Radar with presence/movement discrimination, max mounting height 7 m, IP65, operating temperature -20°C to +55°C Magnetic loops Programmable optical/acoustic signals from the control panel Emergency stop from external button or panel input
Emergency release	Manual opening with supplied crank UPS
Standards and certifications	UNI EN 13241-1 Wind load resistance EN 12424, EN 12444 Class 2 Water penetration resistance EN 12425, EN 12489 Class 5 Air permeability EN 12426, EN 12427 Class 4 Suitable for achieving ISO classes according to UNI EN ISO 14644-1 Opening safety EN 12453, EN 12445 compliant Mechanical aspects EN 12604, EN 12605 compliant Cycles EN 12604, EN 12605: 1,000,000 cycles

FABRICS Standard Colours



For any non-standard colours, please contact the Sales Office



Your GLG area

Everything in one place

In your area you will find DWG drawings, full media, and you
can request a free inspection.

Scan the QR code

