

SPEC SHEET

Fabric Doors

D-313 Streamline Cleanroom



DESCRIPTION:

Save energy:

The DYNACO D-311 CLEANROOM flexible high speed roll up door is ideal to seal off cleanrooms. It keeps pressure levels stable, contaminants out and limits air consumption.

You can build airlocks with this high speed door and keep your cleanroom in over- or under-pressure. The flexible PVC door curtain is pressure resistant. The superior and tight seal keeps clean air in and contaminated air out, resulting in significant energy savings.

Limit air exchange and reduce costs:

Thanks to its high opening and closing speed the amount of time this high speed roll up door remains open is limited to a minimum. This minimizes air leakage. It helps to optimize the operational cost of your cleanroom.

Equipped with low friction side guides, a self-reinserting door curtain and a minimum of wearing parts, the DYNACO D-311 CLEANROOM roll up door requires little maintenance. Free of rigid elements

in the curtain, this high speed door is safe for your staff and equipment.

GENERAL INFORMATION: The D-313 Cleanroom Door is a certified ISO 6 high performance door solution designed for cGMP life science facilities as well as semiconductor, aerospace, advanced research, and many other miscellaneous clean environments.

Design elements include maximum user safety, low particulate generation and a tight seal to control pressure, temperature, humidity, airflow, infiltration and contamination. The D-313 Cleanroom eliminates the requirement for substantial wall or swinging space and generates little turbulence. Smooth composite covers provide an easy to clean and aesthetically pleasing appearance.

WARRANTY: This Limited Warranty of the Product, and any implied warranties provided to you by state law not otherwise excluded or disclaimed in this Limited Warranty, apply for a period of twelve (12) months from date of shipment of the Product from seller's plant. In addition, seller offers an extended warranty of four (4) years for the Product's electric motor and manufacturing defects on curtain.

Standard Features

Certified ISO 6 Compliance

Independently tested to meet ISO 6 class for airborne particulate generation.

Flush, Clean Surfaces

A sleek, attractive design eliminates substantial wall clearance and projection requirements while simplifying cleaning procedures. Composite covers eliminate exposed fasteners.

Patented Seal Systems

Side guides are made of galvanized or stainless steel. Inner side guides are extruded, low friction UHMW that mold around the curtain bead.

Greater Safety

The door comes standard with a soft curtain free of rigid components, a wireless reversing edge and built-in infrared sensors.

Speed

With operation speeds of up to 120" per second opening and 24" per second closing, the door provides maximum containment and separation.

Integrated Motor Design

The patented "in-tube" motor reduces lateral wall spacing. The drive system utilizes soft start/stop technology, an absolute encoder and dynamic braking with variable speed.

TECHNICAL SPECIFICATIONS

Door Dimensions	Minimum: 3' W x 7'H Maximum: 12'W x 12'H										
Operating Speed	Up to 120" per second open Up to 24" per second closing										
Curtain Material	27 oz. fiber reinforced PVC, FDA compliant										
Vision Panels	24" square individual windows, full width vision banners										
Color Choices	<table border="0"> <tr> <td>Yellow RAL1003</td> <td>Orange RAL2004</td> </tr> <tr> <td>Red RAL3000</td> <td>Blue RAL5002</td> </tr> <tr> <td>Brown RAL8017</td> <td>Green RAL6005</td> </tr> <tr> <td>Grey RAL7038</td> <td>White RAL9010</td> </tr> <tr> <td>Black RAL9005</td> <td></td> </tr> </table>	Yellow RAL1003	Orange RAL2004	Red RAL3000	Blue RAL5002	Brown RAL8017	Green RAL6005	Grey RAL7038	White RAL9010	Black RAL9005	
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Power	Single Phase: 208 - 230 VAC Three Phase: 208 - 230 VAC; 460 VAC										
Control Box	Includes Dynalogix II solid state control board, variable frequency drive, new DC2 encoder, LCD screen, fused rotary disconnect, E-stop button, open/close push button. Standard NEMA 4 rated enclosure, Optional NEMA 4x rated enclosure										
Motor	Direct drive. Fully enclosed "in-tube", IP55 rated										
Sensors	Wireless Detection Device in curtain bottom; photo sensors in side guides										
Activation	Many activation devices and sensors available to accommodate your particular application										
Wind Permeability	EN 12426 class 4 overpressure = 3m ³ air per hour per m ² of door at 50 Pa. EN 12426 class 3 underpressure = 6m ³ air per hour per m ² of door at 50 Pa.										

Standard Features (cont.)

Drive & Control

The DYNALOGIX II control system provides user friendly diagnostic and programming functions, enhancing productivity and reliability.

Additional Options

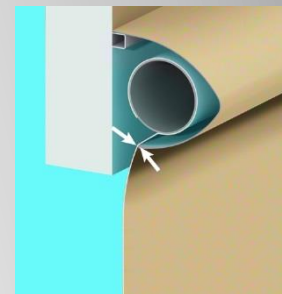
Fully customizable:

- Voltage
- control box
- special functions
- audible & visual signals
- interlock, safety
- door curtain
- vision & screen
- remote stations
- manual/opening commands

Additional Info



Motor installed inside drum



Superior seal minimizes air leakage

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