



DYNACO D-313 CLEANROOM

**Gravity
driven**

low friction technology

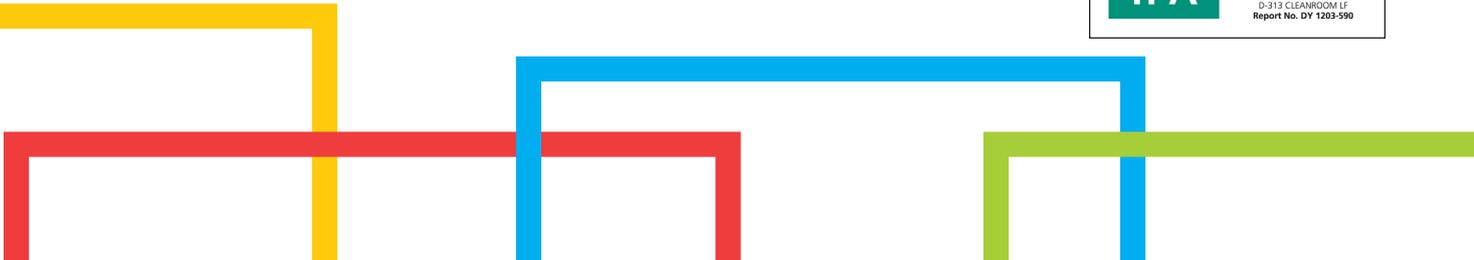


inside door

www.dynacodoor.com



Fraunhofer
TESTED[®]
DEVICE
DYNACO
D-313 CLEANROOM LF
Report No. DY 1203-590



DYNACO D-313 CLEANROOM

The Dynaco D-313 Cleanroom LF is designed for inside applications requiring a limitation of leak flow. It's ideal for interlocks.

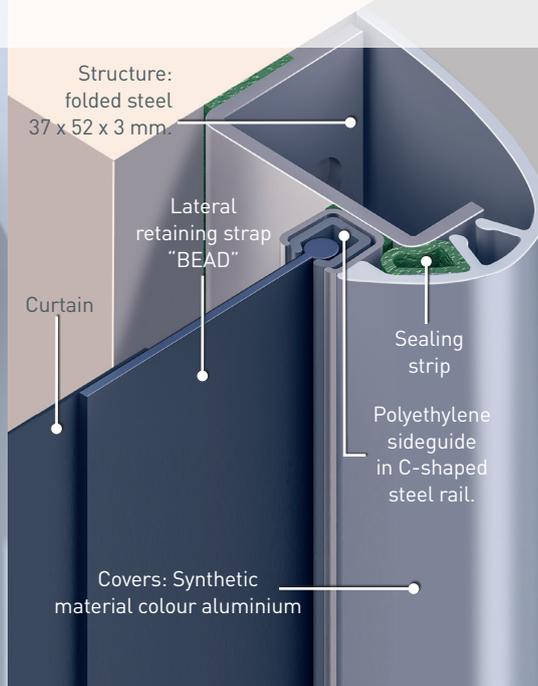
Its perfect sealing properties provide environmental control and protect your installations against drafts, dust and dirt. With its modern design, the Dynaco D-313 Cleanroom LF is the slimmest high speed cleanroom door in the market. The patented "LF" (Low Friction) technology, combined with a frequency inverter driven motor, assures a smooth operation.

- **PERFECT SEAL:**
Patented side guides and "BEAD" technology limit leak flow and allow energy savings.
- **MINIMAL SPACE, MODERN LOOK:**
Motor installed inside the drum (DVDM^{PT}).
Very aesthetic design.
- **CRASH FORGIVING AND SELF-REINSERTING WITHOUT INTERVENTION:**
The curtain automatically reinserts itself when dislodged. No repair costs, no production down time.
- **USER SAFETY:**
Flexible curtain without rigid elements.
- **COMFORT OF USE:**
DYNACO wireless detector at the bottom.
- **ADVANCED DRIVE:**
Frequency driven motor and encoder for smooth operation. Wearable elements are reduced to a minimum.
- **DYNALOGIC CONTROL BOX:**
User-friendly control box with self-diagnosis.
- **CONFORM TO EN13241-1**

Motor incorporated
in the drum - DVDM^{PT}



Low friction side guides



Pressure resistant



Gravity driven

low friction technology



inside door

EN13241-1 STANDARDS

Standard	Ref.	Test acc.	Results
Water permeability	EN 12425	EN 12489	Class 3
Wind load	EN 12424	EN 12444	Class 1*
Wind permeability	EN 12426	EN 12427	4 overpressure** 3 underpressure
Safe openings	EN 12453	EN 12445	Pass
Mechanical resistance	EN 12604	EN 12605	Pass
Unintended movements	EN 12604	EN 12605	Pass
Thermal resistance	EN 12428	EN 12428	6,02 W/m²K
Performance (cycles)	EN 12604	EN 12605	1.000.000

* Interior applications only.

** Tested for a door of 3500x3500 mm.

Difference over-/underpressure: see drawing below

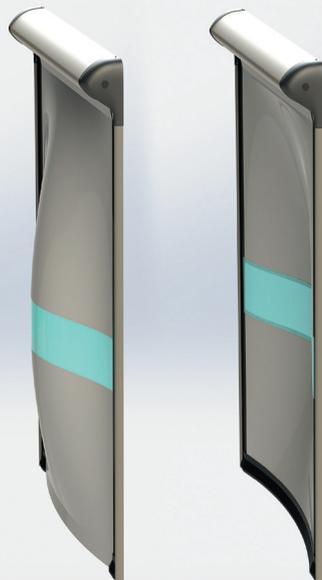
CHARACTERISTICS

Max. dimensions	W 3.500 mm x H 3.500 mm																
Opening speed Closing speed	Up to 2,7 m/s 0,5 m/s																
Structure	Galvanised steel of 37 x 52 x 3 mm. Option: stainless steel.																
Covers	Synthetic material, colour aluminium + black. Full covers standard.																
Drum	PVC- Ø 200 x 3,9 mm.																
Side guides	Reinforced polyethylene (PE-UHMW1000)																
Motor	2 poles, with parking brake. Power 0,75 kW IP rating: IP 55																
Control box	DYNALOGIC provided with: Circuit breaker, general divider, adjustable timer, push button for opening and reset, emergency stop and frequency inverter. IP rating: IP 54																
Standard detectors	Infrared barrier: 300 mm from the floor. Wireless Dynaco detector (WDD). DBD: correct unwinding detector.																
Power supply Frequency	Single phase 230V - 18 A Frequency: 50-60 Hz																
Advised operating temperature:	+ 5°C up to +40°C																
Available colours comparable with:	<table border="0"> <tr> <td>Yellow RAL1003</td> <td></td> <td>Green RAL6005</td> <td></td> </tr> <tr> <td>Orange RAL2004</td> <td></td> <td>Grey RAL7035</td> <td></td> </tr> <tr> <td>Red RAL3000</td> <td></td> <td>White RAL9010</td> <td></td> </tr> <tr> <td>Blue RAL5002</td> <td></td> <td>Black RAL9005</td> <td></td> </tr> </table>	Yellow RAL1003		Green RAL6005		Orange RAL2004		Grey RAL7035		Red RAL3000		White RAL9010		Blue RAL5002		Black RAL9005	
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Orange RAL2004		Grey RAL7035															
Red RAL3000		White RAL9010															
Blue RAL5002		Black RAL9005															
(Actual colours may deviate. Colour samples available upon request)																	

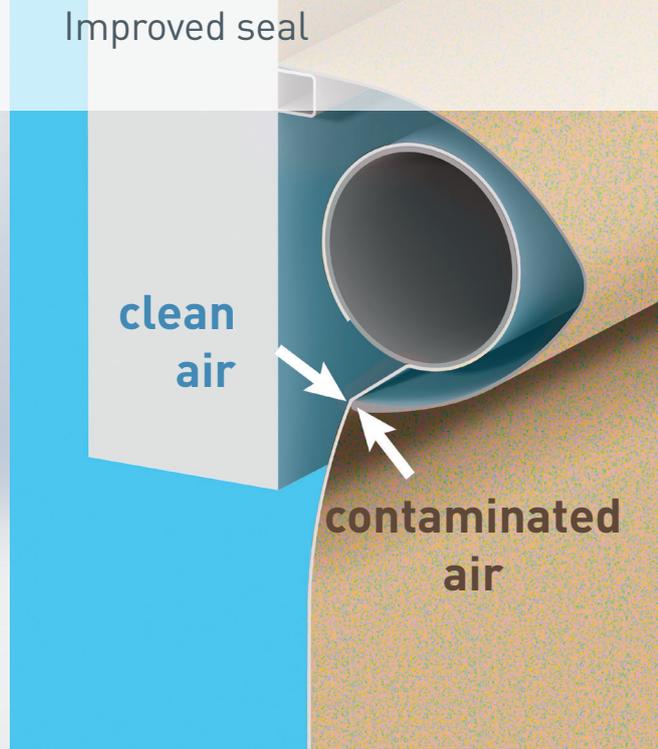
Sealing parts



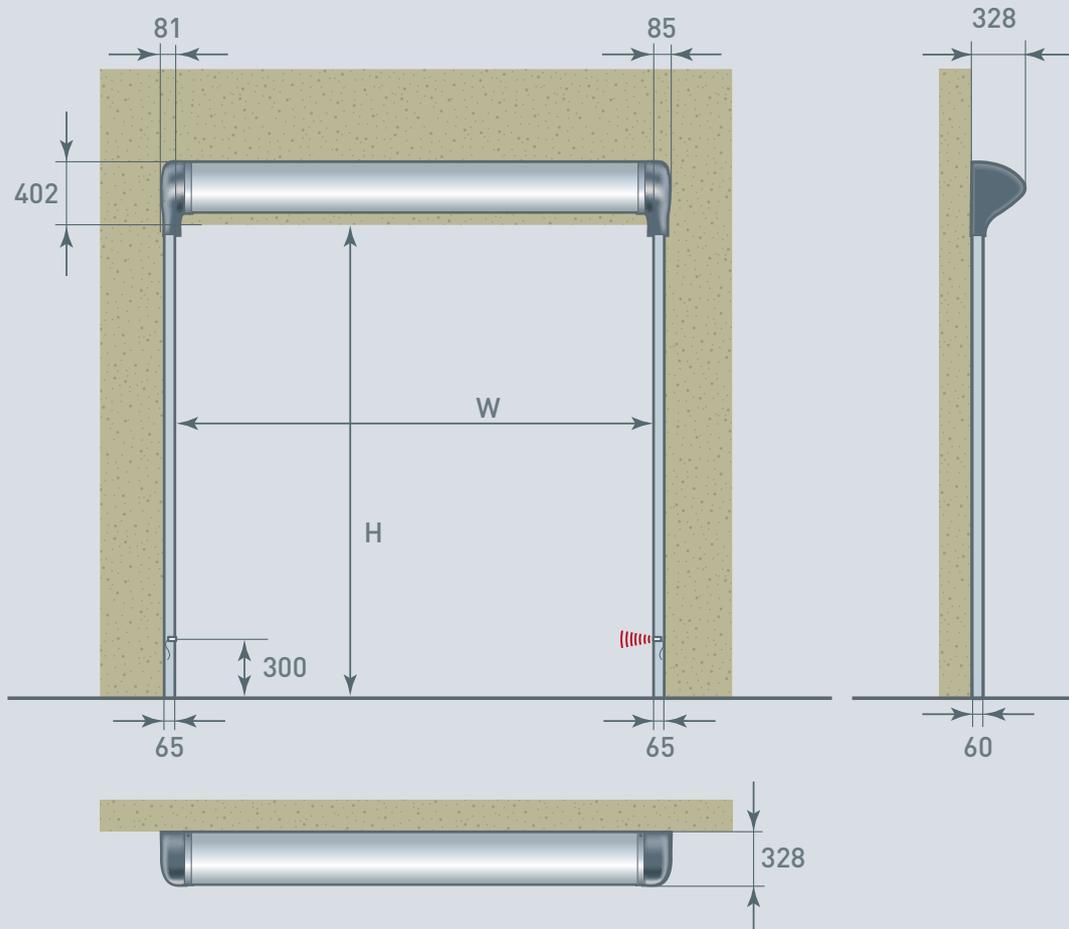
** Overpressure - underpressure



Improved seal



Dimensions and installation requirements DYNACO D-313 CLEANROOM



All indicated dimensions are based on exact width and height dimensions only. The space necessary for mounting and maintenance has to be provided.

REMARK: Based on the risk analysis of the environment, extra push buttons, detectors and covers might be required.

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Disclaimers:

For a correct use of our products, please refer to our manual.

Everything that is mentioned in this brochure is only valid under the terms of use in the user manual and on condition that the door was properly installed and maintained and has not undergone abuse nor neglect.

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