



## DYNACO D-311 CLEANROOM

Gravity driven low friction technology



inside door

www.dynacodoor.com

# **DYNACO D-311**CLEANROOM

The Dynaco D-311-Cleanroom LF is designed for inside applications requiring a limitation of leak flow and is ideal for interlocks. Its perfect sealing properties provide environmental control and protect your environment against drafts, dust and dirt. The patented «LF» (Low Friction) technology, combined with a frequency inverter driven motor, assures a smooth and silent operation for more user comfort.

- OPENING SPEED: Up to 2,0 m/s.
- PERFECT SEAL: Patented side guides and «BEAD» technology limit leak flow and allow energy savings.
  - 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 and reliability. Wearing elements are reduced to a minimum.
- DYNALOGIC CONTROL BOX: User-friendly control box with self-diagnosis.
- CONFORM TO EN13241-1



#### Low friction side guide

\_\_ Covers: folded steel 65 x 53 x 1 mm

> Structure folded steel 37 x 52 x 3 mm

Side guide in polyethylene within a C-shaped rail in steel

Lateral retaining strap "BEAD"

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#### CHARACTERISTICS

Standard	Ref.	Test acc.	Results		
Water permeability	EN 12425	EN 12489	Class 2	Max. dimensions	
permeasury				Opening speed Closing speed Structure	
Wind load	EN 12424	EN 12444	Class 1*		
				Structure	
Wind permeability	EN 12426	EN 12427	3 (overpressure**) 1 (underpressure)	Drum	
Safe openings	Safe openings EN 12453 EN 12445 Pass	Side guides			
				Motor	
Mechanical resistance	EN 12604	EN 12605	Pass		
				Control box	
Unintended movements	EN 12604	EN 12605	Pass		
Thermal transmittance	EN 12428	EN 12428	6,02 W/m <sup>2</sup> K	Standard	
				detectors	
Performance (cycles)	EN 12604	EN 12605	1.000.000	Deverse	
				Power supply Frequency	
* Interior applicat					

\* Interior

EN13241-1 STANDARDS

\*\* Valid for a door of 3500 x 3500mm

Max. dimensions	W 4.000 mm x H 4.000 mm		
Opening speed Closing speed	up to 1,2 m/s (optional 2,0 m/s) 0,5 m/s		
Structure	Folded steel 37 x 52 x 3 mm, galvanised before cutting and folding. Full covers standard. Option: stainless steel		
Drum	Steel - Ø 102 x 2 mm.		
Side guides	Reinforced polyethylene (PE-UHMW1000)		
Motor	2 poles, without brake. Power 0,75 kW. IP rating: IP 65		
Control box	DYNALOGIC provided with: Circuit breaker, general divider, adjustable timer, push button for opening and reset and emergency stop. IP rating: IP 54. Frequency inverter.		
Standard detectors	Infrared barrier: 300 mm from the floor. Wireless DYNACO detector (WDD) DBD: correct unwinding detector		
Power supply Frequency	Single phase 230 V - 14 A. Frequency: 50-60 Hz		
Advised operating temperature	+ 5 °C up to + 40 °C		
Available colours comparable with:	Yellow RAL1003 Green RAL6005		
(Actual colours may deviate. Colour samples available upon request)	Orange RAL2004GreyRAL7035RedRAL3000WhiteRAL9010BlueRAL5002BlackRAL9005		

#### \*\* Overpressure - underpressure

overpressure

underpressure



### Improved sealing





#### Dimensions and installation requirements Dynaco D-311 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.



PS-D-311 CL-EN-V3.0-2019-12-3

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#### About Dynaco

Founded in 1987, the Dynaco brand has a strong heritage and a wealth of expertise in high performance doors. Dynaco is committed to achieving excellence in quality and performance through a certified and dedicated network of partners, providing outstanding service to customers worldwide. Furthermore we trust our USA division and our licensed partners in Russia, Japan, China, Vietnam and Brazil to deliver on our customer promises. Dynaco is part of Entrematic-the home to some of the world's most innovative and leading

brands within the entrance automation industry. The comprehensive range of product brands includes Ditec, Normstahl and em/Entrematic.