

Designed for an interior environment type cleanroom class 10.000 to 100.000 (according to Fed/Std 209 E) demanding a limitation of the leak flow at a difference in pressure up to 0.82 lbs/sq.ft (winds of 19 MPH indicative, not including any multiplication coefficients taking into account the configuration of the building.)
 Maximum standard dimensions: W 12 ft x H 12 ft.

DESCRIPTION

STANDARD OPERATING SPEED:
 Opening speed: 36"/sec.
 Closing speed: 24"/sec.

OPERATING TYPE: by gravity, with flexible weighted soft bottom edge.

SIDE GUIDE made of structural channels of 3 1/8" x 1 5/8" x 1/8" in galvanized steel or in stainless steel (optional).

INNER SIDE GUIDE in polyethylene (PE-UHMW 1000); outer section 1/2" x 13/16", fixed at the base of the structural channels with closed nuts, without springs. This design provides a tight superior seal for demanding cleanroom applications.
SIDE GUIDE COVERS: included.

DRUM in steel, diameter 4" x 5/64", shaft in steel. Shafts and flanges are welded interior and exterior of the drum. (drum and shaft in stainless steel : optional).

REINFORCED SEALING: double sealing flap at the top and extension of the zipper to the ground.

DOOR CURTAIN in very resistant PVC (28 oz/yd²). Available in different colors and provided with a continuous integrated bead side sealing (section 3/8" x 1/4"). The bottom edge is completely enclosed and hermetically sealed for ease of cleaning.

MOTOR without brake, 2 poles, controlled by a frequency inverter.
 Power: 1 HP. Voltage 3 x 230/400 V. Protection degree NEMA 4.

GEARBOX size 50. The reduction ratio 1/28 allows the static irreversibility of the reducer to maintain door position at all times.

DETECTORS: An Infrared photocell, installed inside the frame and

detecting the presence of a pedestrian or a vehicle, immediately opens the door and keeps it open as long as the presence is detected. Height of the photocell: 12" from the floor (optionally up to a maximum 24" upon request).
 A bottom edge detector opens the door when it hits an obstacle during the closing cycle.

POWER SUPPLY:
 Standard: single phase 208-230 VAC, three phase 208-230 VAC, three phase 460 VAC. Also available: three phase 575 VAC. (optional)
 Frequency: 50-60 Hz. Circuit protection to be provided by the customer: 10A for a motor of 1HP.

SPACE REQUIREMENTS: All indicated dimensions are based on exact width and height dimensions only.

